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# ANNUAL REPORT

OF THE

# COMMISSIONER OF PATENTS

FOR

## THE YEAR 1879.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1880.

# ANNUAL REPORT

OF THE

# COMMISSIONER OF PATENTS

## FOR THE YEAR 1879.

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UNITED STATES PATENT OFFICE,
*Washington, January* 30, 1880.

SIR: In compliance with the requirements of section 494 of the Revised Statutes, I respectfully submit to Congress the following report for the year ending December 31, 1879:

RECEIPTS.

*Detailed statement of all moneys received for patents, for copies of records or drawings, or from any other source whatever.*

| | |
|---|---|
| Applications: | |
| Cash received | $565, 630 00 |
| Cash refunded | 1, 680 00 |
| Net cash | 563, 950 00 |
| Certificates of deposit | 59, 653 00 |
| Total cash and certificates | 623, 603 00 |
| Copies: | |
| Cash received | 48, 328 58 |
| Cash refunded | 1, 541 70 |
| Net cash | 46, 786 88 |
| Certificates of deposit | 1, 029 66 |
| Total cash and certificates | 47, 816 54 |
| Recording assignments: | |
| Cash received | 20, 622 05 |
| Cash refunded | 569 60 |
| Net cash | 20, 052 45 |
| Certificates of deposit | 345 25 |
| Total cash and certificates | 20, 397 70 |
| For subscription to Official Gazette: | |
| Cash received | 7, 473 37 |
| Cash refunded | 61 04 |
| Net cash | 7, 412 33 |
| Certificates of deposit | 266 00 |
| Total cash and certificates | 7, 678 33 |
| Registration of labels: | |
| Cash received | 3, 240 00 |
| Cash refunded | 900 00 |
| Net cash | 2, 340 00 |
| Certificates of deposit | 216 00 |
| Total cash and certificates | 2, 556 00 |
| Proceeds of sale of scrap-iron, brass, and copper: | |
| Cash received | 1, 879 90 |

*Aggregates.*

| | |
|---|---|
| Cash received | 647, 173 90 |
| Cash refunded | 4, 752 34 |
| Net cash | 642, 421 56 |
| Certificates of deposit | 61, 509 91 |
| Total cash and certificates | 703, 931 47 |

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EXPENDITURES.

*Amount expended under the several appropriations, from January* 1, 1879, *to January* 1, 1880.

| | |
|---|---|
| Salaries | $398, 761 04 |
| Gazette | 29, 761 87 |
| Contingent expenses | 39, 919 50 |
| Copies of drawings | 18, 357 53 |
| Tracings | 4, 599 60 |
| Photolithographing | 37, 041 68 |
| Scientific library | 1, 197 75 |
| Total | 529, 638 97 |

RECEIPTS OVER EXPENDITURES.

| | |
|---|---|
| Total receipts | 703, 931 47 |
| Total expenditures | 529, 638 97 |
| Receipts over expenditures | 174, 292 50 |

---

*Statement of balance in the Treasury of the United States on account of the Patent fund.*

| | |
|---|---|
| Amount to the credit of the fund January 1, 1879 | $1, 246, 514 06 |
| Amount of receipts during year 1879 | 703, 931 47 |
| Total | 1, 950, 445 53 |
| Deduct expenditures for year 1879 | 529, 638 97 |
| Balance January 1, 1880 | 1, 420, 806 56 |

*Summary of the business of the Office.*

| | |
|---|---|
| Applications for patent, including designs | 20, 059 |
| Applications for reissue | 634 |
| Applications for registration of trade-marks | 1, 293 |
| Applications for registration of labels | 576 |
| Caveats filed | 2, 620 |
| Patents issued, including designs | 12, 725 |
| Patents reissued | 488 |
| Patents extended | None. |
| Patents expired during the year, exclusive of designs | 3, 461 |
| Patents withheld for non-payment of final fee | 1, 317 |
| Trade-marks registered | 872 |
| Labels registered | 855 |

*Number of patents issued to the several States and Territories, with the ratio of population to each patent granted; also, the number of patents issued to subjects or citizens of foreign governments.*

| States and Territories. | Patents and designs. | One to every— |
|---|---|---|
| Alabama | 61 | 16,344 |
| Arizona Territory | ..... | ..... |
| Arkansas | 28 | 17,303 |
| California | 353 | 1,649 |
| Colorado | 29 | 1,626 |
| Connecticut | 569 | 945 |
| Dakota Territory | 9 | 4,500 |
| Delaware | 24 | 5,209 |
| District of Columbia | 122 | 1,808 |
| Florida | 9 | 20,916 |
| Georgia | 74 | 16,002 |
| Idaho Territory | 3 | 6,861 |
| Illinois | 949 | 2,676 |
| Indiana | 359 | 4,681 |
| Iowa | 309 | 3,865 |
| Kansas | 81 | 4,609 |
| Kentucky | 156 | 8,468 |
| Louisiana | 59 | 12,321 |
| Maine | 112 | 5,598 |
| Maryland | 220 | 3,550 |
| Massachusetts | 1,134 | 403 |
| Michigan | 391 | 3,037 |
| Minnesota | 101 | 4,416 |
| Mississippi | 45 | 18,398 |
| Missouri | 283 | 6,082 |
| Montana Territory | 4 | 9,974 |
| Nebraska | 48 | 2,715 |
| Nevada | 29 | 2,025 |
| New Hampshire | 95 | 3,351 |
| New Jersey | 587 | 1,544 |
| New Mexico Territory | 2 | 55,652 |
| New York | 2,556 | 1,717 |
| North Carolina | 55 | 19,480 |
| Ohio | 902 | 2,955 |
| Oregon | 19 | 5,363 |
| Pennsylvania | 1,369 | 2,573 |
| Rhode Island | 191 | 1,138 |
| South Carolina | 36 | 19,600 |
| Tennessee | 91 | 13,830 |
| Texas | 142 | 5,767 |
| Utah Territory | 7 | 14,226 |
| Vermont | 70 | 4,722 |
| Virginia | 107 | 11,450 |
| Washington Territory | 7 | 5,347 |
| West Virginia | 49 | 9,021 |
| Wisconsin | 215 | 4,953 |
| Wyoming Territory | 5 | 2,304 |
| United States Army | 6 | ..... |
| United States Navy | 5 | ..... |
| Total | 12,077 | ..... |

| | |
|---|---|
| Of the patents, including designs, there were granted to the— | |
| Citizens of the United States | 12,077 |
| Subjects of Great Britain, including Canada | 364 |
| Subjects of France | 91 |
| Subjects of Germany | 128 |
| Subjects of other foreign governments | 65 |
| Total | 12,725 |

*Comparative statement of the business of the Office from* 1837 *to* 1879, *inclusive.*

| Year. | Applications. | Caveats filed. | Patents issued. | Cash received. | Cash expended. | Surplus. |
|---|---|---|---|---|---|---|
| 1837 | ..... | ..... | 435 | $29,289 08 | $33,506 98 | ..... |
| 1838 | ..... | ..... | 520 | 42,123 54 | 37,402 10 | $4,721 44 |
| 1839 | ..... | ..... | 425 | 37,260 00 | 34,543 51 | 2,716 49 |
| 1840 | 735 | 228 | 473 | 38,056 51 | 39,020 67 | ..... |
| 1841 | 847 | 312 | 495 | 40,413 01 | 52,666 87 | ..... |
| 1842 | 761 | 391 | 517 | 36,505 68 | 31,241 48 | 5,264 20 |
| 1843 | 819 | 315 | 531 | 35,315 81 | 30,776 96 | 4,538 85 |
| 1844 | 1,045 | 380 | 502 | 42,509 26 | 36,244 73 | 6,264 53 |
| 1845 | 1,246 | 452 | 502 | 51,076 14 | 39,395 65 | 11,680 49 |
| 1846 | 1,272 | 448 | 619 | 50,264 16 | 46,158 71 | 4,105 45 |
| 1847 | 1,531 | 553 | 572 | 63,111 19 | 41,878 35 | 21,232 84 |
| 1848 | 1,628 | 607 | 660 | 67,576 69 | 58,905 84 | 8,670 85 |
| 1849 | 1,955 | 595 | 1,070 | 80,752 98 | 77,716 44 | 3,036 54 |
| 1850 | 2,193 | 602 | 995 | 86,927 05 | 80,100 95 | 6,816 10 |
| 1851 | 2,258 | 760 | 869 | 95,738 61 | 86,916 93 | 8,821 68 |
| 1852 | 2,639 | 996 | 1,020 | 112,656 34 | 95,916 91 | 16,739 43 |
| 1853 | 2,673 | 901 | 958 | 121,527 45 | 132,869 83 | ..... |
| 1854 | 3,328 | 868 | 1,902 | 163,789 84 | 167,146 32 | ..... |

*Compasative statement of the business of the Office from* 1837 *to* 1879, *inclusive*—Continued.

| Year. | Applications. | Caveats filed. | Patents issued. | Cash received. | Cash expended. | Surplus. |
|---|---|---|---|---|---|---|
| 1855 | 4,435 | 906 | 2,024 | 216,459 35 | 179,540 33 | 36,919 02 |
| 1856 | 4,960 | 1,024 | 2,502 | 192,588 02 | 199,931 02 | ..... |
| 1857 | 4,771 | 1,010 | 2,940 | 196,132 01 | 211,582 09 | ..... |
| 1858 | 5,364 | 934 | 3,710 | 203,716 16 | 193,193 74 | 10,522 42 |
| 1859 | 6,225 | 1,097 | 4,588 | 245,942 15 | 210,278 41 | 35,663 74 |
| 1860 | 7,653 | 1,084 | 4,819 | 256,352 59 | 252,820 80 | 3,531 79 |
| 1861 | 4,643 | 700 | 3,340 | 137,354 44 | 221,491 91 | ..... |
| 1862 | 5,038 | 824 | 3,521 | 215,754 99 | 182,810 39 | 32,944 60 |
| 1863 | 6,014 | 787 | 4,170 | 195,593 29 | 189,414 14 | 6,179 15 |
| 1864 | 6,932 | 1,063 | 5,020 | 240,919 98 | 229,868 00 | 11,051 98 |
| 1865 | 10,664 | 1,937 | 6,616 | 348,791 84 | 274,199 34 | 74,592 50 |
| 1866 | 15,269 | 2,723 | 9,450 | 495,665 38 | 361,724 28 | 133,941 10 |
| 1867 | 21,276 | 3,597 | 13,015 | 646,581 92 | 639,263 32 | 7,318 60 |
| 1868 | 20,420 | 3,705 | 13,378 | 681,565 86 | 628,679 77 | 52,886 09 |
| 1869 | 19,271 | 3,624 | 13,986 | 693,145 81 | 486,430 78 | 206,715 03 |
| 1870 | 19,171 | 3,273 | 13,321 | 669,456 76 | 557,149 19 | 112,307 57 |
| 1871 | 19,472 | 3,366 | 13,033 | 678,716 46 | 560,595 08 | 118,121 38 |
| 1872 | 18,246 | 3,090 | 13,590 | 699,726 39 | 665,591 36 | 34,135 03 |
| 1873 | 20,414 | 3,248 | 12,864 | 703,191 77 | 691,178 98 | 12,012 79 |
| 1874 | 21,602 | 3,181 | 13,599 | 738,278 17 | 679,288 41 | 58,989 76 |
| 1875 | 21,638 | 3,094 | 16,288 | 743,453 36 | 721,657 71 | 21,795 65 |
| 1876 | 21,425 | 2,697 | 17,026 | 757,987 65 | 652,542 60 | 105,445 05 |
| 1877 | 20,308 | 2,809 | 13,619 | 732,342 85 | 613,152 62 | 119,190 23 |
| 1878 | 20,260 | 2,755 | 12,935 | 725,375 55 | 593,082 89 | 132,292 66 |
| 1879 | 20,059 | 2,620 | 12,725 | 703,931 47 | 529,638 97 | 174,292 50 |

The commissioners designated by law to superintend the reconstruction of the Patent Office building will soon submit their report, which will present a most satisfactory exhibit of the progress of the work up to the close of the last calendar year.

Appeals from the Commissioner of Patents to the Supreme Court of the District of Columbia, while authorized in *ex parte* cases, are by section 4911 interdicted in interference cases—the very class in which the right of appeal would seem to be most important. I recommend that section 4911 be so modified as to provide for appeals from the Commissioner of Patents to the Supreme Court of the District of Columbia in interference cases.

As the law now stands, (Rev. Stats., Sec. 4898,) an assignment of letters patent may remain unrecorded for any period of less than three months, and yet prevail over a subsequent assignment first recorded. For three months after the date of an assignment subsequent purchasers, without notice and for valuable consideration, may be unable to find in the records of the Patent Office any evidence of the existence of the assignment. The records of the Office, therefore, cannot be relied upon to disclose the condition of the title to letters patent. As between *bona fide* purchasers for valuable consideration without notice, the priority of assignments should, I think, be determined by the dates of registration; and I recommend such a modification of the law as will accomplish this result.

The duties to be performed by the Assistant Commissioner while the Commissioner is in charge of the Bureau are not prescribed by law. In practice the Commissioner assigns to him from time to time various duties, including the adjudication of appeals where no objection is made by any party thereto. A statutory provision expressly authorizing the Assistant Commissioner to perform such of the duties imposed by law on the Commissioner as the Commissioner may from time to time assign to him would relieve the Patent Office from the embarrassment resulting from existing uncertainty respecting the powers and duties of the Assistant Commissioner.

It is provided in section 4887 of the Revised Statutes that—

Every patent granted for an invention which has been previously patented in a foreign country shall be so limited as to expire at the same time with the foreign patent, or, if there be more than one, at the same time with the one having the shortest term, and in no case shall it be in force more than seventeen years.

The effect of this statutory provision is, that if a citizen of the United States obtains no foreign patents for his invention, but bestows its benefits without restriction upon every nation except his own, he is rewarded by a patent in the United States for seventeen years. If, on the other hand, he restricts the use of his invention in foreign countries, as in his own, by taking out foreign patents, and if he obtains a foreign patent first, (as in some cases he must obtain it first if at all,) his American patent is limited to the term of his foreign patent, which may be only a single year. And if he postpone his American application in order to secure a foreign patent, he may find himself involved in an interference in the Patent Office of the United States which will consume a large portion of the term of his foreign patent, and, therefore, of his American patent when granted. At the same time, if he take out his American patent first, he may obtain foreign patents in those countries in which the prior grant of the American patent is no obstacle to the issue of foreign patents without at all limiting the seventeen years' duration of his American patent. Foreign letters patent which, if allowed the day before his American grant, might reduce the term of his patent from seventeen years to one year, if granted the day after, will not reduce it at all.

These are a few of the inconsistencies and absurdities involved in the law as it now stands. It evidently needs careful amendment.

The records of the Patent Office do not enable the public to ascertain whether patents have been adjudged wholly or in part invalid by the courts. This is a serious defect in our system, which ought to be remedied by legislation providing for the transmission to the Patent Office of certified copies of all judgments and decrees of United States courts affecting the validity of patents, and for recording, digesting, and indexing the same in the Patent Office in such a way as to make them accessible to the public.

Under the statutes now in force (Rev. Stats., Secs. 4894 and 4895) an applicant, if his claim is allowed, absolutely forfeits his right to a patent by neglecting to proceed with his case for two years; but if his claim is rejected he does not forfeit his right by such delay. I see no sufficient ground for this distinction between the two cases, and recommend legislation securing to the successful applicant the right now enjoyed by the unsuccessful applicant, to avoid the forfeiture by showing that his delay was unavoidable.

The interests of the public and of the Office imperatively demand that provision be made without further delay for the preparation of a general analytical and descriptive index of inventions and discoveries. Thirty years ago Commissioner Ewbank, in his annual report for 1848, to which I respectfully invite your attention, urged this subject upon the consideration of Congress. He said:

However serviceable to applicants the appointment of examiners has proved, the system of search is necessarily defective for want of such a work. It is impossible in every case that comes before them to wade through the numerous treatises, journals, foreign and domestic encyclopedias, &c., and the piles of specifications and caveats in the Office. Their whole time would not suffice for this. Yet, to arrive at a safe conclusion, the contents should be known to them. Patents have been issued for devices already figured and described in popular journals. A general and analytical index only can prevent this. For want of it the labors of the examiners result in no permanent advantage to the public, the Office, or to inventors other than those on whose inventions they pass. No results are recorded; and hence (except when the memory of an examiner supersedes the necessity) the same routine of reference to serial and standard works, to models, specifications, &c., is, without ceasing, repeated. * * *

It would be difficult to overrate the saving of time, money, material, and mental expenditure that would accrue to the country if the ingenious had the means of readily ascertaining what has been done in the lines of their speculation. A very inadequate idea may be gathered from the number of applications for patents rejected and suspended yearly for want of novelty or merit. In 1848 there were 968, and in 1849 over 1,400. Yet cases that come under the notice of this Office constitute but a small part of the labors of those who sacrifice years in unfruitful researches, for lack of information which an index of inventions would give them.

In a pecuniary point of view, such a work is therefore most desirable to this Office, to inventors, and the public at large. When made accessible to popular reference it will be the saving of millions. No state paper could surpass it in importance, nor in lasting value. Till it is done a majority of applicants for patents must continue to meet with some disappointment. The only safe rule with them is always to make themselves acquainted with what has been attempted before incurring any serious outlay. They should never presume that their devices have not entered other heads than their own until, by a searching inquisition on every hand, the presumption remains in their favor unimpaired. No better advice than this can be given them. But how are they to follow it? Nineteen-twentieths have few or no reliable sources of information within their reach, and not one in a hundred can afford the expenses of a visit to Washington and a residence there for the purpose of consulting the Office records and library.

Each succeeding year has augmented the force of most of the reasons suggested by Commissioner Ewbank for the preparation of this index. It is impossible now to estimate the advantages which inventors, the public, and this Office would derive from such a work if it were in the hands of the examiners and accessible to the public. The saving of time and money which would result from its use to the Office would be immense. It is, of course, impossible to estimate the millions that would be saved to inventors and to those who use inventions if the knowledge which it would furnish could be accessible to them.

A work of such magnitude should not be undertaken without a most thorough consideration of the method to be adopted for its accomplishment. I earnestly commend this subject to the attention of Congress.

At present applications for design patents are sent to the different examiners, according to the nature of the design. The law for this class of patents, of which about six hundred are annually issued, is special, and both it and the convenience of the Office, as well as the decisions of the courts, suggest strong reasons for their separation from all other work of the Office. The work of the Office would be facilitated and the practice improved by the establishment of a division for the examination of applications for design patents and the appointment of a principal examiner to take charge of the division. I recommend such legislation as will accomplish this result.

For reasons which are particularly set forth in my report made to the Secretary of the Interior, October 21, 1879, and submitted with his annual report to Congress, I also recommend the enactment of a law authorizing the execution by United States commissioners or by other United States officers of commission issued by foreign governments to take testimony in the United States, to be used before foreign patent offices and before all judicial and legislative as well as executive departments of foreign governments, and to pun-

ish perjury committed in such testimony, such law to be operative only in favor of such governments as shall make like provision for taking testimony in foreign countries, to be used before the Patent Office of the United States and before the judicial, legislative, and executive departments of the Government; the establishment of a division in some one of the executive departments of the Government at Washington for the performance of photolithographic work for all the bureaus of the Government which shall require it; an appropriation of $50,000 to be expended during the next fiscal year for printing the specifications of patents issued prior to November, 1866; the extension of the period within which patents may be dated to seven months from the dates of their allowance; such modification of section 4904 of the Revised Statutes as shall exempt every application from interference after the allowance of the patent and the payment of the final fee, and shall restrict subsequent applicants in such case to interference with the patent granted; the adaptation of a part of the third story of the west and north wings of the Patent Office to the present use of this Bureau by the construction of temporary partitions which shall not in any way interfere with the plan adopted for the reconstruction of those wings, and the construction of one or more elevators from the basement to the third story of the building; provision by law for ten additional clerks of class one, three of class two, two of class three, and one of class four, and for fifteen assistant examiners, either of the third class at a salary of $1,400, or of a fourth class, to be estab, lished, at a salary of $1,200 per annum; the appropriation of a reasonable portion of the net earnings of the Patent Office to be expended in an increase of the inadequate compensation now paid to many capable and efficient employés in the grades of $360, $480, $600, $660, and $720 per annum, in the restoration of the salaries of the Principal Examiners and Chief Clerk, and in additions to the technical library of the Patent Office; the enactment of a law providing that no model shall be required or filed in any case unless upon a written certificate filed in the case by the examiner in charge of the division to which the invention pertains that it will be useful in the examination of the application, or upon the special order of the Commissioner; that the Commissioner shall not require the production of a model for the examination in any case in which the applicant shall furnish satisfactory scale-drawings, made from a working machine, and shall produce for examination a working machine in operation in the city of Washington; and that upon the expiration of every patent the model pertaining thereto shall be sent by the Commissioner to one of the public institutions of science and art in the United States; the enactment of a statutory provision authorizing the employment of skilled workmen to make copies of models for official certification, who shall take the oath of office and give bonds for the faithful performance of their duty in such penal sum as the Commissioner of Patents may prescribe, and shall receive from persons ordering copies of models such compensation as the Commissioner of Patents shall approve in each case, but shall receive no compensation whatever from the United States; an appropriation of $10,000 for the publication of the general indexes of patentees, extending from 1790 to 1873, which has been in course of preparation for several years, and will soon be ready for the press; an appropriation of $6,000 to print the illustrations of the Patent Office Report for the year 1870, and an appropriation of $60,000 for the photolithographic reproduction of drawings destroyed by fire, to be made immediately available, so that the work may be pushed to completion during the current year.

I submit herewith a detailed statement of all moneys received; a detailed statement of all expenditures for contingent and miscellaneous expenses; a list of all patents granted, arranged according to subjects; an alphabetical list of all the patentees, showing their places of residence, and a list of all patents which have been extended during the year; which statements and lists cover the year ending December 31, 1879.

Very respectfully, your obedient servant,

H. E. PAINE,
*Commissioner of Patents.*

Hon. S. J. RANDALL,
*Speaker House of Representatives.*

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*Detailed statement of all expenditures for contingent and miscellaneous expenses, from January 1, 1879, to December 31, 1879, inclusive.*

| | | | | |
|---|---|---|---|---|
| Jan. | 1. | Balance of appropriation brought forward | | $17,869 81 |
| | 2. | Great Falls Ice Co., ice | $163 02 | |
| | 4. | Francis Miller, painter's stock | 22 70 | |
| | 4. | Robert Boyd, hardware | 41 14 | |
| | 6. | E. Morrison, paper | 494 49 | |
| | 6. | W. W. Burdette & Co., dry goods | 9 40 | |
| | 6. | W. Ballantyne & Son, crayons | 6 75 | |
| | 6. | Jas. A. K. Moore, paste | 1 00 | |
| | 6. | B. W. Reed's Sons, coaline | 1 25 | |
| | 7. | Edward E. Ellis, services | 4 00 | |
| | 10. | H. L. Pelouze & Son, type | 27 50 | |
| | 10. | Norris Peters, printing | 157 00 | |
| | 10. | E. J. Hayward, washing | 17 54 | |
| | 10. | G. Hoage & Co., subscription | 3 75 | |
| | 11. | C. C. Wilson, stamps | 10 45 | |
| | 14. | C. E. Birckhead, case | 21 50 | |
| | 15. | James Lingenfelter, services | 32 50 | |
| | 15. | James H. Williams, services | 39 00 | |
| | 15. | Susan V. Bird, paste | 18 00 | |
| | 15. | Alex. Pope, services | 16 50 | |
| | 21. | Chas. H. Marot, subscription | 4 20 | |
| | 22. | Geo. C. Maynard, telephone | 35 75 | |
| | 23. | Alex. Pope, services | 10 50 | |
| | 23. | Henry F. Reh, boxes | 37 50 | |
| | 23. | L. H. Schneider & Co., hardware | 42 93 | |
| | 23. | J. H. Adriaans, jr., services | 5 22 | |
| | 25. | W. T. Davis, services | 12 00 | |
| | 25. | J. S. Oden, cards | 28 60 | |
| | 25. | Washington city post-office, postage | 60 56 | |
| | 27. | D. Ballauf, repairing | 6 00 | |
| | 28. | W. H. Veerhoff, shades | 13 24 | |
| | 29. | A. S. Pratt & Son, books | 20 00 | |
| | 30. | James S. Oden, index cards | 8 50 | |
| | 31. | Susan V. Bird, paste | 14 00 | |
| | 31. | L. H. Flynn, file-wrappers | 50 34 | |
| | 31. | J. H. Williams, services | 42 00 | |
| | 31 | Jas. Lingenfelter, services, &c | 44 50 | |
| | 31 | Richard J. Gallagher, services | 77 50 | |
| | 31. | Pay-roll (per diem) | 1,012 50 | |
| | | | | 2,613 33 |
| | | Balance of appropriation January 31 | | 15,256 48 |
| Jan. | 28. | Thomas Jomerville, gas-fixtures | 13 05 | |
| Feb. | 3. | Daniel Kolb, soda | 6 45 | |
| | 4. | Daniel Williams, services | 13 50 | |
| | 6. | E. M. Whittaker & Son, reviews | 16 00 | |
| | 7. | Macmillan & Co., subscription | 7 00 | |
| | 8. | Wm. Brakhagen, repairing | 3 25 | |
| | 12. | Western Union Tel. Co., telegrams | 2 29 | |
| | 13. | Jas. S. Oden, cards | 8 50 | |
| | 14. | Solomon & Chapman, sundries | 20 50 | |
| | 14. | Henry W. Saul, baskets | 16 00 | |
| | 14. | E. J. Hayward, washing | 14 52 | |
| | 15. | Susan V. Bird, paste | 16 50 | |
| | 15. | E. D. Webb, services | 32 50 | |
| | 15. | Jas. H. Williams, services | 39 00 | |
| | 15. | R. A. Jones, services | 15 00 | |
| | 15. | Jas. Lingenfelter, services | 39 00 | |
| | 18. | Henrietta Shewalter, services | 13 50 | |
| | 18. | C. C. Wilson, stamps | 14 45 | |
| | 18. | Aires & Belt, lumber | 43 70 | |
| | 20. | J. A. Stephenson, transportation | 2 50 | |

*Detailed statement of all expenditures, &c.*—Continued.

| | | | | |
|---|---|---|---|---|
| Feb. | 25. | Germond Crandell, books | 39 30 | |
| | 26. | B. Westerman & Co., books | 110 54 | |
| | 27. | A. Hoen & Co., engraving | 31 90 | |
| | 28. | Jas. H. Williams, services | 35 50 | |
| | 28. | Susan V. Bird, paste | 12 50 | |
| | 28. | L. H. Flynn, file-wrappers | 36 00 | |
| | 28. | R. J. Gallagher, services | 70 00 | |
| | 28. | Jas. Lingenfelter, services | 33 00 | |
| | 28. | R. A. Jones, services | 27 50 | |
| | 28. | Nat. Print. and Pub. Co., subscription | 3 00 | |
| | 28. | Per diem pay-roll | 900 00 | |
| | | | | 1,636 45 |
| | | Balance of appropriation February 28 | | 13,620 03 |
| Mar. | 1. | E. J. Hayward, washing | 14 83 | |
| | 4. | Robert Boyd, hardware | 52 93 | |
| | 7. | George Stevens, boxes | 36 00 | |
| | 7. | J. F. W. Dorman, stamps | 14 00 | |
| | 8. | D. Van Nostrand, magazine | 5 00 | |
| | 10. | C. C. Wilson, stamps | 18 65 | |
| | 10. | E. W. Woodruff, file-holders | 65 00 | |
| | 11. | Wm. H. Clark, services | 40 00 | |
| | 14. | Germond Crandell, books | 45 00 | |
| | 15. | Jas. H. Williams, services | 41 50 | |
| | 15. | F. Leypoldt, books | 21 00 | |
| | 15. | John H. Schultz, subscription | 5 00 | |
| | 15. | Susan V. Bird, paste | 10 25 | |
| | 15. | J. Bradley Adams, almanacs | 6 00 | |
| | 15. | Wm. F. Ross, sawdust | 14 00 | |
| | 15. | Jas. Lingenfelter, services | 39 00 | |
| | 15. | R. A. Jones, services | 32 50 | |
| | 18. | W. S. Mitchell, mats | 21 60 | |
| | 22. | D. Appleton, periodicals | 13 50 | |
| | 28. | Little, Brown & Co., encyclopedia | 6 00 | |
| | 28. | Augustus Burgdorf, shoe-drawers | 115 00 | |
| | 28. | J. Von Laer, binders | 98 60 | |
| | 28. | E. H. King, case | 108 00 | |
| | 31. | Chas. E. Birckhead, sundries | 143 00 | |
| | 31. | Richard Gallagher, services | 77 50 | |
| | 31. | Jas. H. Williams, services | 39 00 | |
| | 31. | Henrietta Shewalter, services | 7 50 | |
| | 31. | Jas. Lingenfelter, services | 39 00 | |
| | 31. | R. A. Jones, services | 32 50 | |
| | 31. | Susan V. Bird, paste | 9 00 | |
| | 31. | M. M. Price, copies | 6 00 | |
| | 31. | L. H. Flynn, file-wrappers | 36 97 | |
| Apr. | 1. | O. C. Thomas, services | 3 00 | |
| | 1. | John O'Connell, services | 3 00 | |
| | 1. | Daniel Williams, services | 3 00 | |
| | | | | 1,222 83 |
| | | Balance of appropriation March 31 | | 12,397 20 |
| Apr. | 1. | Robert Wilson, services | 3 00 | |
| | 1. | Great Falls Ice Company, ice | 128 25 | |
| | 2. | F. W. Robinson & Co., book | 1 00 | |
| | 4. | E. Morrison, paper | 204 00 | |
| | 4. | F. E. Hamilton, gas-fixtures | 13 27 | |
| | 4. | Washington city post-office, postage | 5 69 | |
| | 7. | Geo. Ryneal, jr., painters' stock | 30 90 | |
| | 7. | James S. Oden, cases | 12 00 | |
| | 7. | B. Westermann & Co., books | 64 04 | |
| | 8. | Geo. Ryneal, jr., painters' stock | 8 25 | |
| | 9. | Washington city p. o., stamps, &c | 75 00 | |
| | 10. | Bartram Zevely, copy | 3 00 | |
| | 10. | E. H. King, furniture | 194 00 | |
| | 12. | E. W. Woodruff, file-holders | 97 50 | |
| | 14. | Theo. S. Case, subscription | 5 00 | |
| | 14. | Harper Bros., subscription | 3 20 | |
| | 15. | Jas. H. Williams, services | 41 50 | |
| | 15. | Jas. Lingenfelter, services | 39 00 | |
| | 15. | R. A. Jones, services | 32 50 | |
| | 15. | Susan V. Bird, paste | 9 75 | |
| | 16. | H. L. Pelouze & Son, type | 77 91 | |
| | 18. | Belford, Clark & Co., subscription | 5 00 | |
| | 18. | Aug. Burgdorf, furniture, &c | 185 00 | |
| | 22. | F. Leypoldt, subscription | 5 00 | |
| | 22. | R. G. Hutchinson, strap-files | 47 10 | |
| | 22. | Geo. W. Knox, freight | 6 77 | |
| | 24. | Norris Peters, printing | 76 00 | |
| | 24. | J. M. Judd, encyclopedia | 4 25 | |
| | 26. | Amer. Library Association, sundries | 21 25 | |
| | 28. | Jas. S. Topham, paper cases | 9 00 | |
| | 29. | Western Union Tel. Co., telegrams | 1 10 | |
| | 30. | Susan V. Bird, paste | 9 50 | |
| | 30. | Henrietta Shewalter, services | 7 50 | |
| | 30. | L. H. Flynn, file-wrappers | 39 00 | |
| | 30. | Jas. H. Williams, services | 39 00 | |
| | 30. | R. A. Jones, services | 32 50 | |
| | 30. | Jas. Lingenfelter, services | 39 00 | |
| | 30. | Richard J. Gallagher | 74 20 | |
| | 30. | Pay-roll | 838 79 | |
| | | | | 2,488 72 |
| | | Balance of appropriation April 30 | | 9,908 48 |
| May | 1. | E. H. King, furniture, &c | 93 00 | |
| | 3. | Francis Miller, sundries | 8 70 | |
| | 3. | R. G. Hutchinson, strap-files | 22 50 | |
| | 3. | Oscar C. Thomas, services | 30 00 | |
| | 3. | S. J. Meeks, repairing cart | 10 00 | |
| | 3. | W. W. Burdette & Co., towels, &c | 52 63 | |
| | 3. | R. A. Jones, services | 32 50 | |
| | 5. | E. J. Hayward, washing | 32 24 | |

*Detailed statement of all expenditures, &c.*—Continued.

| | | | | |
|---|---|---|---|---|
| May, | 5. | C. C. Wilson, stamps | 21 45 | |
| | 6. | Jas. J. Chapman, eyelet machine | 7 00 | |
| | 9. | John G. Stetson, copies | 214 00 | |
| | 12. | J. W. Boteler & Bro., matches | 22 00 | |
| | 14. | Geo. W. Knox, transportation | 10 00 | |
| | 14. | Chas. Fischer, instruments | 68 00 | |
| | 15. | Jas. Lingenfelter, services | 39 00 | |
| | 15. | Susan V. Bird, paste | 6 50 | |
| | 15. | Jas. H. Williams, services | 39 00 | |
| | 15. | Jas. H. Williams, locks | 5 00 | |
| | 15. | L. B. Middleton, services | 20 00 | |
| | 15. | H. I. Hart, insect powder | 8 00 | |
| | 20. | Wm. C. Wyckoff, subscription | 2 00 | |
| | 21. | Augustus Burgdorf, desk | 45 00 | |
| | 21. | H. F. Reh, paper-boxes | 27 00 | |
| | 22. | Wash. B. Williams, cloth | 10 72 | |
| | 22. | Norris Peters, photolithograph'g, &c | 30 00 | |
| | 24. | Chas. E. Birckhead, drawers, &c | 162 50 | |
| | 24. | H. L. Pelouze & Son, type, &c | 23 50 | |
| | 24. | .....do | 9 09 | |
| | 26. | C. W. Thorn & Co., soap, &c | 118 43 | |
| | 27. | A. Grass, desk | 35 00 | |
| | 28. | John T. McCormick, safe | 140 00 | |
| | 28. | Jas. H. McKenney, copies, &c | 320 00 | |
| | 29. | Susan V. Bird, paste | 15 00 | |
| | 29. | Jas. H. Williams, locks | 5 00 | |
| | 29. | L. H. Flynn, file wrappers | 36 13 | |
| | 29. | Jas. H. Williams, services | 42 00 | |
| | 29. | R. A. Jones, services | 35 00 | |
| | 29. | L. B. Middleton, services | 35 00 | |
| | 29. | R. J. Gallagher, services | 76 60 | |
| | 29. | Jas. Lingenfelter, services | 42 00 | |
| | 31. | E. H. King, desk | 55 00 | |
| | 31. | L. Contanseau, freight, &c | 24 80 | |
| | 31. | Pay-roll, services | 871 80 | |
| | | | | 2,903 03 |
| | | | | 7,005 39 |
| | 31. | Bill of Washington City P. O., Apr. 9, 1879, paid, but money subsequently refunded | | 75 00 |
| | | Balance of appropriation May 31, 1879 | | 7,080 39 |
| June | 2. | Robert Boyd, hardware | 51 45 | |
| | 2. | George Ryneal, jr., varnish | 5 50 | |
| | 3. | C. C. Wilson, stamps | 39 70 | |
| | 4. | H. Shewalter, services | 6 00 | |
| | 4. | International News Co., review | 7 20 | |
| | 4. | Solomons & Chapman, maps | 24 90 | |
| | 4. | E. J. Hayward, washing | 14 10 | |
| | 6. | Adams Express Co., transportation | 2 25 | |
| | 7. | Wood Bros., case | 77 50 | |
| | 7. | L. H. Schneider, hardware | 51 04 | |
| | 7. | E. W. Woodruff, file-holders | 130 00 | |
| | 7. | Robert Wilson, services | 10 50 | |
| | 7. | Thomas Somerville, hardware | 15 20 | |
| | 9. | Crane & Co., paper | 96 00 | |
| | 11. | John Keyworth, soap, &c | 106 69 | |
| | 11. | W. H. & O. H. Morrison, books | 150 00 | |
| | 11. | Willet & Libbey, lumber | 96 08 | |
| | 12. | A. Van Name, subscription | 22 88 | |
| | 13. | W. H. Dempsey, paper | 117 52 | |
| | 13. | H. L. Pelouze & Son, type | 35 00 | |
| | 14. | Susan V. Bird, paste | 9 75 | |
| | 14. | Jas. H. Williams, services | 36 00 | |
| | 14. | Jas. Lingenfelter, desk | 137 00 | |
| | 14. | Jas. Lingenfelter, service | 36 00 | |
| | 14. | R. A. Jones, services | 30 00 | |
| | 14. | L. B. Middleton, services | 30 00 | |
| | 14. | Lewis Hill, services | 19 50 | |
| | 14. | T. F. Wilson, services | 26 00 | |
| | 16. | Germond Crandell, cases, &c | 134 00 | |
| | 16. | Industrial Publishing Co., subscription | 1 00 | |
| | 17. | M. G. Copeland & Co., awnings, &c | 46 45 | |
| | 17. | A. Grass, desks | 70 00 | |
| | 18. | John Keyworth, soap, &c | 56 37 | |
| | 18. | C. W. Thorn & Son, soap | 166 83 | |
| | 19. | Germond Crandell, books | 45 50 | |
| | 20. | Wm. W. Farr, repairing clock | 8 00 | |
| | 20. | Wood Bros., cases, &c | 45 00 | |
| | 21. | Augustus Burgdorf, cases, &c | 273 75 | |
| | 26. | H. L. Pelouze & Son, type | 105 90 | |
| | 27. | George Stevens, boxes | 39 00 | |
| | 27. | Wood Bros., case | 32 00 | |
| | 27. | Robert Boyd, hardware | 61 09 | |
| | 28. | B. F. Stevens, books, &c | 471 76 | |
| | 28. | E. W. Woodruff, file-holders | 260 00 | |
| | 28. | Wm. F. Lutz, engravings | 11 25 | |
| | 28. | J. G. Weaver, walnut case | 279 50 | |
| | 28. | R. A. Jones, services | 32 50 | |
| | 28. | L. B. Middleton, services | 32 50 | |
| | 28. | Richard J. Gallagher, services | 74 20 | |
| | 28. | Jas. H. Williams, services | 39 00 | |
| | 28. | Daniel Williams, services | 37 50 | |
| | 28. | Geo. H. Clarke, services | 37 50 | |
| | 28. | Lewis Hill, services | 16 50 | |
| | 28. | W. H. Johnson, services | 37 50 | |
| | 30. | H. Baumgarten & Bro., stencil | 2 00 | |
| | 30. | James Lingenfelter, services | 39 00 | |
| | 30. | George C. Maynard, telephones | 17 40 | |
| | 30. | W. F. Ross, saw-dust | 15 75 | |
| | 30. | James H. Williams, locks | 5 00 | |

*Detailed statement of all expenditures, &c.*—Continued.

| | | | | |
|---|---|---|---|---|
| | 30. | F. B. Trout, services | 35 20 | |
| | 30. | Norris Peters, printing | 100 00 | |
| | 30. | Susan V. Bird, paste | 15 75 | |
| | 30. | L. H. Flynn, file-wrappers | 37 50 | |
| | 30. | Theo. F. Wilson, services | 24 00 | |
| | 30. | E. J. Hayward, washing | 17 75 | |
| | 30. | J. W. Boteler & Bro., coolers | 36 70 | |
| | 31. | Daniel Kolb, soda, &c | 12 00 | |
| | 30. | James Lingenfelter, desk | 90 00 | |
| | 30. | W. H. & O. H. Morrison, books | 13 00 | |
| | 30. | Wm. Ballantyne & Son, blank book | 12 95 | |
| | 30. | Great Falls Ice Company, ice | 132 81 | |
| July | 1. | Henrietta Shewalter, services | 6 00 | |
| | 2. | A. Grass, desks, &c | 84 00 | |
| | 2. | Wm. Walter, cases | 65 00 | |
| | 2. | Geo. Ryneal, jr., drugs, &c | 71 10 | |
| June | 30. | Pay-roll, services | 844 10 | |
| July | 3. | Thos. Somerville, sprinkler, &c | 9 25 | |
| | 3. | B. W. Reed & Sons, coaline | 8 75 | |
| | 3. | Oscar C. Thomas, services | 10 50 | |
| | 3. | John O'Connel, services | 10 50 | |
| | 3. | Daniel Williams, services | 10 50 | |
| | 8. | Francis Miller, sundries | 10 70 | |
| | 8. | Washington City P. O., postage, &c | 7 88 | |
| | 9. | W. B. Moses, matting, &c | 1,415 40 | |
| | 9. | W. W. Farr, repairing clocks, &c | 25 42 | |
| | 12. | Louis Murralt, books | 20 00 | |
| | 15. | C. C. Wilson, stamps | 9 95 | |
| | 23. | E. M. Whitaker & Son, book | 1 25 | |
| Aug. | 5. | Western Union Tel. Co., telegrams | 95 | |
| July | 29 | Philip St. Lawrence, services | 10 50 | |
| Aug. | 11. | Phenix Iron Works Co., locks | 18 00 | |
| Sept. | 11. | Knox Express Co., freight | 3 29 | |
| | 11. | D. W. De Forrest, repayment of money erroneously paid (per report of 1st auditor, No. 215,905, paid on requisition) | 10 00 | |
| 1880. | | | | 7,058 21 |
| Mar. | 31. | W. W. Burdette & Co | | 12 10 |
| | | | | 7,070 31 |
| | | Balance of appropriation | | 10 08 |
| | | Amount of appropriation year ending June 30, 1880 | | 35,000 00 |
| July | 7. | Crane & Co., parchment | 192 00 | |
| | 8. | J. W. Boteler & Bro., tumblers | 16 86 | |
| | 8. | B. F. Stevens, books | 180 36 | |
| | 9. | E. H. King, furniture, &c | 594 05 | |
| | 10. | E. W. Woodruff, file-boxes | 130 00 | |
| | 12. | Wood Bros., case | 7 00 | |
| | 14. | Henry Kimmel, castings | 3 20 | |
| | 15. | L. B. Middleton, services | 32 50 | |
| | 15. | James H. Williams services | 39 00 | |
| | 15. | R. A. Jones, services | 32 50 | |
| | 15. | Susan V. Bird, paste | 8 25 | |
| | 15. | James Lingenfelter, services | 39 00 | |
| | 15. | H. Shewalter, services | 6 00 | |
| | 17. | Chas. E. Birckhead, cases and locks | 1,232 00 | |
| | 18. | Gill & Reardon, glass | 294 00 | |
| | 18. | M. E. Mann, cyclopedia | 5 00 | |
| | 23. | James and E. S. Dana, subscription | 6 12 | |
| | 26. | E. Morrison, paper | 1 10 | |
| | 30. | Ruth E. Pomeroy, services | 75 80 | |
| | 30. | Henry F. Reh, boxes | 100 00 | |
| | 31. | R. J. Gallagher, services | 75 80 | |
| | 31. | A. J. Williams, services | 10 50 | |
| | 31. | James Lingenfelter, services | 42 00 | |
| | 31. | James H. Williams, services | 42 00 | |
| | 31. | James H. Williams, locks | 7 50 | |
| | 31. | L. H. Flynn, file-wrappers | 39 37 | |
| | 31. | Susan V. Bird, paste | 15 00 | |
| | 31. | Pay-roll, services | 1,034 36 | |
| Aug. | 1. | C. C. Wilson, stamps | 29 35 | |
| | | | | 4,290 62 |
| | | Balance | | 30,709 38 |
| Aug. | 2. | L. B. Middleton, services | 35 00 | |
| | 2. | R. A. Jones, services | 35 00 | |
| | 4. | W. H. and O. H. Morrison, cases | 126 00 | |
| | 5. | James S. Chapman, eyelet-machine | 7 00 | |
| | 5. | Augustus Burgdorf, furniture | 386 00 | |
| | 5. | Western Union Tel. Co., telegram | 29 | |
| | 7. | Baltimore and Ohio R. R. Co., freight | 66 | |
| | 7. | Atlantic and Pacific Tel. Co., telegram | 35 | |
| | 8. | Aires & Belt, lumber | 18 25 | |
| | 11. | Gold Stock Tel. Com., telephones | 54 17 | |
| | 14. | Orange Judd & Co., subscription | 1 50 | |
| | 15. | Susan V. Bird, paste | 14 62 | |
| | 15. | E. H. King, case | 300 00 | |
| | 15. | E. H. Jackson & Co., lumber | 132 50 | |
| | 19. | J. McC. Perkins, money refunded | 20 00 | |
| | 20. | J. S. Topham, trunk | 16 00 | |
| | 22. | Norris Peters, printing, &c | 200 00 | |
| | 25. | Reversible Collar Co., collar-stock | 8 00 | |
| | 29. | E. H. King, casing No. 44, &c | 1,019 25 | |
| | 30. | W. H. Bright, copies | 4 10 | |
| | 30. | R. J. Gallagher, services | 75 80 | |
| | 30. | Ruth E. Pomeroy, services | 75 80 | |
| | 30. | James H. Williams, services | 39 00 | |
| | 30. | James Lingenfelter, services | 39 00 | |
| | 30. | William Johnson, services | 27 00 | |

*Detailed statement of all expenditures, &c.*—Continued.

| | | | | |
|---|---|---|---|---|
| | 30. | James H. Williams, locks | 17 50 | |
| | 30. | L. B. Middleton, services | 32 50 | |
| | 30. | R. A. Jones, services | 32 50 | |
| | 30. | A. J. Williams, services | 19 50 | |
| | 30. | Susan V. Bird, paste | 18 37 | |
| | 30. | L. H. Flynn, file-wrappers | 35 34 | |
| | 30. | James Lingenfelter, desk | 75 00 | |
| Sept. | 1. | Wm. Ballantyne & Son, books | 6 72 | |
| Aug. | 30. | Pay-roll, services | 1,355 70 | |
| | | | | 4,228 42 |
| | | Balance | | 26,480 96 |
| Sept. | 2. | Virginia T. Ball, services | 75 80 | |
| | 2. | do | 39 13 | |
| | | | | 114 93 |
| | | Balance | | 26,366 03 |
| Sept. | 2. | W. H. and O. H. Morrison, books | 12 00 | |
| | 4. | Robert Boyd, hardware | 16 62 | |
| | 4. | A. H. Roome, washing | 12 96 | |
| | 4. | J. F. W. Dorman, stamps | 26 85 | |
| | 4. | F. E. Hamilton, plumber's stock | 27 80 | |
| | 5. | W. W. Burdette & Co., sheeting, &c | 86 47 | |
| | 8. | Atlantic and Pacific Tel. Co., telegram | 33 | |
| | 11. | Knox Express Co., freight | 50 | |
| | 11. | Wm. Ballantyne & Son. blank-books | 6 72 | |
| | 15. | James Lingenfelter, services | 39 00 | |
| | 15. | H. Van Zuilen, repairing binders | 12 00 | |
| | 15. | L. B. Middleton, services | 32 50 | |
| | 15. | James H. Williams, services | 39 00 | |
| | 15. | Susan V. Bird, paste | 9 75 | |
| | 18. | Daniel Kolb, insect powder | 7 63 | |
| | 19. | William M. Davis, matches | 37 50 | |
| | 20. | H. Van Zuilen, binder | 68 90 | |
| | 27. | Lorenzo Rice, cleaning carpets | 75 79 | |
| | 30. | James H. Williams, services | 39 00 | |
| | 30. | Virginia F. Ball, services | 73 40 | |
| | 30. | R. J. Gallagher, services | 73 40 | |
| | 30. | L. B. Middleton, services | 32 50 | |
| | 30. | James Lingenfelter, services | 39 00 | |
| | 30. | William Johnson, services | 39 00 | |
| | 30. | L. H. Flynn, file-wrappers | 29 80 | |
| | 30. | Susan V. Bird, paste | 18 75 | |
| | 30. | James H. Williams, locks | 15 00 | |
| | 30. | Pay-roll | 1,313 60 | |
| | 30. | Ruth E. Pomeroy | 73 40 | |
| | | | | 2,259 17 |
| | | Balance | | 24,106 86 |
| Sept. | 30. | Western Union Tel. Co., telegram | 1 39 | |
| Oct. | 1. | Gutta Percha and R. Manf. Co., gum cover | 25 10 | |
| | 1. | E. H. King, furniture | 647 40 | |
| | 2. | Norris Peters, printing, &c | 80 00 | |
| | 2. | do | 80 00 | |
| | 3. | H. Van Zuilen, binders | 13 00 | |
| | 3. | Great Falls Ice Co., ice | 133 10 | |
| | 4. | H. L. Lipman, eyelet-machine | 20 00 | |
| | 7. | H. Van Zuilen, binders | 13 00 | |
| | 7. | A. W. Roome, washing | 8 06 | |
| | 10. | G. and S. Telegraph Co., rent telephones | 43 75 | |
| | 10. | H. L. Pelouze & Son, printers' stock | 12 50 | |
| | 11. | E. M. Whitaker & Son, envelopes | 728 54 | |
| | 15. | James H. Williams, services | 39 00 | |
| | 15. | L. B. Middleton, services | 32 50 | |
| | 15. | James Lingenfelter, services | 39 00 | |
| | 15. | James H. Williams, locks | 12 50 | |
| | 15. | Susan V. Bird, paste | 9 75 | |
| | 15. | William Johnson, services | 19 50 | |
| | 17. | S. C. Van Deventer, painting | 47 00 | |
| | 24. | W. B. Moses, carpets, &c | 1,081 01 | |
| | 25. | W. H. Ross, sawdust | 18 00 | |
| | 25. | Birckhead & Mishaw, case | 30 00 | |
| | 25. | E. H. King, desks | 65 00 | |
| | 30. | L. B. Middleton, services | 35 00 | |
| | 30. | James Lingenfelter, services | 42 00 | |
| | 30. | James H. Williams, services | 42 00 | |
| | 30. | Virginia F. Ball, services | 75 80 | |
| | 30. | Ruth E. Pomeroy, services | 75 80 | |
| | 30. | R. J. Gallagher, services | 75 80 | |
| | 31. | Gardner & Co., chairs, &c | 174 00 | |
| | 31. | L. H. Flynn, file-wrappers | 28 81 | |
| | 31. | Pay-roll, services | 1,274 05 | |
| | | | | 5,022 36 |
| | | Balance October 31, 1879 | | 19,084 50 |
| Nov. | 1. | Susan V. Bird, paste | 18 75 | |
| | 4. | James H. Williams, locks | 10 00 | |
| | 4. | A. W. Roome, washing | 6 16 | |
| | 6. | Robt. Boyd, hardware | 21 35 | |
| | 10. | E. E. Jackson & Co., lumber | 75 00 | |
| | 14. | W. H. Bright, copies | 9 65 | |
| | 15. | Susan V. Bird, paste | 9 00 | |
| | 15. | L. B. Middleton, services | 32 50 | |
| | 15. | James Lingenfelter, services | 39 00 | |
| | 15. | James H. Williams, locks | 2 50 | |
| | 15. | James H. Williams, services | 39 00 | |
| | 26. | L. H. Flynn, file-wrappers | 25 62 | |
| | 26. | W. S. Mitchell, carpeting, &c | 868 38 | |
| | 26. | Ruth E. Pomeroy, services | 73 40 | |
| | 26. | V. F. Ball, services | 73 40 | |
| | 26. | James H. Williams. services | 36 00 | |

*Detailed statement of all expenditures, &c.*—Continued.

| | | | |
|---|---|---|---|
| | 26. L. B. Middleton, services | 30 00 | |
| | 26. James Lingenfelter, services | 36 00 | |
| | 26. R. J. Gallagher, services | 73 40 | |
| | 28. George Stevens, services | 45 00 | |
| | 28. Reversible Collar Co., collar-stock | 4 70 | |
| | 26. Pay-roll, services | 1,220 60 | |
| | 29. Susan V. Bird, paste | 17 25 | |
| | 29. Balto. and Potomac R. R. Co., freight | 13 56 | |
| | | | 2,780 22 |
| | Balance November 30, 1879 | | 16,304 28 |
| Dec. | 1. Wm. F. Lutz, stamps | 2 25 | |
| | 2. E. H. King, desk | 20 00 | |
| | 3. Robt. Boyd, hardware | 24 10 | |
| | 3. Ira Godfrey, washing | 10 18 | |
| | 4. C. C. Wilson, stamps | 51 50 | |
| | 5. H. Van Zuilen, book | 4 00 | |
| | 6. Thos. Somerville, closet furniture | 52 60 | |
| | 9. Adams Express Company, freight | 1 45 | |
| | 9. Birckhead & Mishaw, desks | 70 00 | |
| | 10. L. H. Schneider & Co., hardware | 137 70 | |
| | 12. E. E. Jackson & Co., lumber | 117 00 | |
| | 12. Wm. Brakhagan, mail bag | 20 00 | |
| | 13. Jas. H. Williams, services | 39 00 | |
| | 13. L. B. Middleton, services | 32 50 | |
| | 13. James Lingenfelter, services | 39 00 | |
| | 13. Arthur Flynn, labor | 2 50 | |
| | 15. Susan V. Bird, paste | 9 75 | |

*Detailed statement of all expenditures, &c.*—Continued.

| | | | |
|---|---|---|---|
| | 18. H. L. Lipman, eyelet-machine | 10 30 | |
| | 20. Columbus Beatty, labor | 1 50 | |
| | 22. National Republican Printing Company, subscription | 6 00 | |
| | 22. Chas. Fischer, instruments | 23 00 | |
| | 22. Ruth E. Pomeroy, services | 75 80 | |
| | 22. V. F. Ball, services | 75 80 | |
| | 23. James H. Williams, services | 42 00 | |
| | 23. L. B. Middleton, services | 35 00 | |
| | 23. James Lingenfelter, services | 42 00 | |
| | 23. Norris Peters, printing, &c. | 160 00 | |
| | 23. R. J. Gallagher, services | 75 80 | |
| | 23. Wm. W. Farr, services | 77 50 | |
| | 24. J. Temple Brown, type-writers | 406 50 | |
| | 24. L. H. Flynn, file-wrappers | 48 00 | |
| | 26. Charles C. Hall, index | 30 00 | |
| | 27. Springfield Silk Company, silk cord | 206 72 | |
| | 29. E. Morrison, paper | 13 90 | |
| | 30. Western Union Tel. Co., telegram | 72 | |
| | 30. W. W. Burdette & Co., dry goods | 128 98 | |
| | 31. Susan V. Bird, paste | 18 75 | |
| | 23. Pay-roll, services | 1,264 05 | |
| | | | 3,376 15 |
| | Balance December 31, 1879 | | 12,928 13 |
| | Less Wm. Ballantyne & Son, September 1, 1879 | | 6 72 |
| | | | 12,934 85 |

# ALPHABETICAL LIST

OF

# PATENTEES FOR THE YEAR 1879.

[Patentees of Designs, Trade-marks, and Labels, and parties who have filed Disclaimers follow this in separate indexes, but precede the Alphabetical List of Inventions.]

| Number. | Name, residence, and invention. | Date. | Monthly volume. Specification. | Monthly volume. Drawing. | Official Gazette. Volume. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 222,434 | Aarons, Lehman, Milwaukee, Wis. Belt | Dec. 9, 1879 | 361 | 102 | 16 | 1068 |
| 217,502 | Abbatt, Robert, jr., Flushing, N. Y. Lamp | July 15, 1879 | 651 | 185 | 16 | 106 |
| | Abbe, Horatio H., *et al.* (*See* Bailey, Charles A., assignor.) | | | | | |
| 211,364 | Abbe, John R., assignor of one-half interest to C. Smith, South Windham, Conn. Ore-mill | Jan. 14, 1879 | 345 | 101 | 15 | 45 |
| 211,365 | Same.....Amalgamator | Jan. 14, 1879 | 346 | 101 | 15 | 45 |
| 211,680 | Abbey, Alonzo, and G. Brammar, Livermore, Cal. Revolving horse-rake | Jan. 28, 1879 | 720 | 201 | 15 | 99 |
| | Abbey, Orin. (*See* Holton & Abbey.) | | | | | |
| 215,709 | Abbott, Everett L., South Bend, Ind. Combined lawn-sprinkler and hose-reel | May 27, 1879 | 855 | 251 | 15 | 835 |
| 218,208 | Abbott, John, assignor of one-half interest to De Young & Brother, Philadelphia, Pa. Feeding mechanism for carding-engines | Aug. 5, 1879 | 118 | 32 | 16 | 236 |
| 218,849 | Same.....Spinning mule and jack | Aug. 26, 1879 | 891 | 249 | 16 | 370 |
| 212,530 | Abbott, Jonathan P., Cleveland, Ohio. Eaves-trough hanger | Feb. 25, 1879 | 855 | 237 | 15 | 251 |
| 216,991 | Same.....Adjustable stove pipe | July 1, 1879 | 68 | 21 | 16 | 11 |
| | Abbott, Joseph W., trustee. (*See* Trask, Charles H., assignor) .....(Reissue.) | | | | | |
| 8,779 | Abel, William H., Bridgewater, N. H. Knitting-machine.....(Reissue) | July 1, 1879 | 291 | 86, 87 | 16 | 40 |
| 221,011 | Abell, Dan, Carson City, Nev. Steam-generator | Oct. 28, 1879 | 950 | 254 | 16 | 786 |
| | Abendroth Brothers. (*See* Abendroth & Mersereau, assignors.) | | | | | |
| 223,089 | Abendroth, William P., and J. Mersereau, assignors to Abendroth Brothers, Port Chester, N. Y. Ash-chute for buildings | Dec. 30, 1879 | 1146 | 323 | 16 | 1207 |
| 221,490 | Abernethy, Robert S., Happy Home, N. C. Clock-escapement | Nov. 11, 1879 | 414 | 112 | 16 | 877 |
| | Abington Tack and Machine Association. (*See* Hyslop, John, jr., assignor.) | | | | | |
| 219,135 | Able, Adam F., New Orleans, La. Match-safe | Sept. 2, 1879 | 89 | 27 | 16 | 424 |
| 219,425 | Abrams, George, Philadelphia, Pa. Crank screw-driver | Sept. 9, 1879 | 435 | 120 | 16 | 475 |
| 214,604 | Abrey, Daniel, Greenville, Mich. Rotary engine | Apr. 22, 1879 | 1049 | 294, 295 | 15 | 631 |
| 216,638 | Same.....Mechanical movement | June 17, 1879 | 715 | 205 | 15 | 993 |
| 216,815 | Same.....Hoisting device | June 24, 1879 | 930 | 265 | 15 | 1031 |
| 220,560 | Same.....Device for transmitting power | Oct. 14, 1879 | 409 | 106 | 16 | 698 |
| | Abshagen, Ernest. (*See* Smith & Abshagen.) | | | | | |
| 221,990 | Absterdam, John, New York, N. Y. Vacuum amalgamating apparatus | Nov. 25, 1879 | 1008 | 282 | 16 | 976 |
| | Acid Pump and Siphon Company. (*See* Nichols, Francis, assignor.) | | | | | |
| 217,568 | Acker, Henry, assignor of one-half interest to W. C. Garrison, New York, N. Y. Swinging-can box | July 15, 1879 | 724 | 206 | 16 | 116 |
| 213,026 | Ackerman, David, Chicago, Ill. Wrench for inserting bung-bushes | Mar. 11, 1879 | 311 | 87 | 15 | 345 |
| 215,710 | Same.....Machine for tapping pipe-fittings | May 27, 1879 | 856 | 251 | 15 | 835 |
| 218,106 | Same.....Bung-bush wrench | Aug. 5, 1879 | 1 | 1 | 16 | 221 |
| | Ackerman, Louis B., *et al.* (*See* Suingley, George R., assignor.) | | | | | |
| 218,911 | Ackerman, William, Flint, Mich. Boot-leg strap | Aug. 26, 1879 | 960 | 270 | 16 | 380 |
| 222,979 | Ackley, Hiram R., East Hamilton, N. Y. Plow | Dec. 30, 1879 | 1015 | 291 | 16 | 1191 |
| 219,192 | Ackley, John M., East Hampton, Conn. Sleigh-bell | Sept. 2, 1879 | 147 | 44 | 16 | 431 |
| 217,503 | Adair, George, and F. E. Palmer, Rock Falls, Ill. Barrel-cart | July 15, 1879 | 652 | 186 | 16 | 107 |
| 218,614 | Adair, James, Pittsburg Post Office, Pa. Inkstand | Aug. 19, 1879 | 599 | 169 | 16 | 321 |
| 220,328 | Adair, Will, Canmer, Ky. Cotton and hay press | Oct. 7, 1879 | 132 | 36 | 16 | 653 |
| | Adam, Frank. (*See* Blattner & Adam.) | | | | | |
| 216,300 | Adam, Richard, Richmond, Va. Setting bread for baking | June 10, 1879 | 331 | 98 | 15 | 934 |
| | Adams, Alfred. (*See* Cain, Thomas J., assignor.) | | | | | |
| 221,712 | Adams, Alfred, Chagrin Falls, Ohio. Paper bag | Nov. 18, 1879 | 665 | 186 | 16 | 921 |
| | Adams, Allen N. (*See* Sanderson, George O., assignor.) | | | | | |
| 212,582 | Adams, Allston, and A. Bott, Albany, N. Y. Manufacture of marbleized paper and card-board | Feb. 25, 1879 | 913 | ..... | 15 | 259 |
| 215,550 | Adams, Archibald D., assignor of one-half interest to D. T. Van Antwerp, Prophetstown, Ill. Horseshoe-weight | May 20, 1879 | 673 | 196 | 15 | 802 |
| 218,359 | Adams, Augustus A., Pittsburg, Pa. Attaching tops and handles to molasses-jugs, &c | Aug. 12, 1879 | 295 | 81 | 16 | 271 |
| 8,661 | Adams, Benjamin F., Boston, Mass., assignor to Plume & Atwood Manufacturing Company, Waterbury, Conn. Lamp-burner.....(Reissue) | Apr. 8, 1879 | 584 | 164, 165 | 15 | 554 |
| 220,561 | Adams, Brice T., Americus, Ga. Horse-power sawing-machine | Oct. 14, 1879 | 410 | 107 | 16 | 698 |
| 214,864 | Adams, Calvin and S. J., Pittsburg, Pa., assignors to said S. J. Adams. Plow-colter | Apr. 29, 1879 | 1350 | 376 | 15 | 677 |
| 212,343 | Adams, Catharine A., Milford, Conn. Kitchen-cabinet | Feb. 18, 1879 | 608 | 171 | 15 | 209 |
| 214,801 | Adams, Charles M., Bridgeport, Conn. Ball-trap | Apr. 29, 1879 | 1280 | 358 | 15 | 667 |
| 221,991 | Adams, Charles P., Stockbridge, Mass. Instrument for mending harness and other articles | Nov. 25, 1879 | 1010 | 283 | 16 | 977 |
| 219,193 | Adams, Charles S., Marshfield, Vt. Device for cutting and screw-threading metallic wagon-axles | Sept. 2, 1879 | 148 | 44 | 16 | 431 |
| | Adams & Co. (*See* Story, John, assignor.) | | | | | |
| 215,258 | Adams, Edward A., and J. K. P. Nourse, West Medway, Mass. Machinery for pegging boots and shoes | May 13, 1879 | 331 | 97, 98 | 15 | 747 |
| 214,980 | Adams, Henry A., Sandwich, Ill. Grain-binder | May 6, 1879 | 1 | 1 | 15 | 763 |
| 215,034 | Adams, Isaac, jr., Boston, Mass. Coating metallic articles with vulcanizable rubber | May 6, 1879 | 56 | ..... | 15 | 709 |
| 215,711 | Adams, J. McGregor, Chicago, Ill. Gridiron | May 27, 1879 | 858 | 251 | 15 | 835 |
| 221,206 | Same.....Coal-oil stove | Nov. 4, 1879 | 71 | 19 | 16 | 822 |
| | Adams, John F., *et al.* (*See* Watkins, Alfred E., assignor.) | | | | | |
| 213,963 | Adams, John Q., Indianapolis, Ind. Millstone exhaust apparatus | Apr. 8, 1879 | 265 | 77 | 15 | 515 |
| 214,800 | Adams, John R., Oakland, Cal. Pillow-sham frame and holder | Apr. 29, 1879 | 1279 | 358 | 15 | 667 |
| 222,222 | Same.....same | Dec. 2, 1879 | 121 | 31 | 16 | 1025 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Adams, Jonathan M. (*See* Cardiff, Patrick, assignor.) | | | | | |
| 213, 367 | Adams, Lawson, Omaha, Nebr. Lightning-rod | Mar. 18, 1879 | 703 | 197 | 15 | 404 |
| 215, 310 | Adams, Margaret E., South Bend, Ind. Dress-makers' chart | May 13, 1879 | 403 | 119 | 15 | 756 |
| 217, 669 | Adams, Marshall D., Marlborough, N. H. Wagon-jack | July 22, 1879 | 857 | 245 | 16 | 143 |
| | Adams, S. Jarvis. (*See* Adams, Calvin and S. J.) | | | | | |
| 211, 488 | Adams, S. Jarvis, Pittsburg, Pa. Sand-molding machine | Jan. 21, 1879 | 483 | 136, 137 | 15 | 65 |
| 211, 951 | Same.....Molding tubular articles | Feb. 4, 1879 | 148 | 43 | 15 | 145 |
| 213, 964 | Same.....Apparatus for withdrawing patterns from molds for casting | Apr. 8, 1879 | 266 | 77 | 15 | 515 |
| 214, 229 | Same.....Hub for plow-colters | Apr. 15, 1879 | 595 | 169 | 15 | 565 |
| | Adams, Samuel H., *et al.* (*See* Watkins, Alfred E., assignor.) | | | | | |
| 216, 124 | Adams, Thomas, Brooklyn, N. Y. Toy return-ball | June 3, 1879 | 124 | 36 | 15 | 900 |
| 213, 027 | Adams, William J., Plymouth, Ind. Casting mold-boards | Mar. 11, 1879 | 312 | 87 | 15 | 345 |
| 213, 965 | Adams, Zabdiel B., Framingham, Mass. Self-lighting burner | Apr. 8, 1879 | 268 | 77 | 15 | 515 |
| 214, 016 | Adams, Z. Boylston, Framingham, Mass. Lamp | Apr. 8, 1879 | 328 | 94 | 15 | 523 |
| 212, 120 | Adamson, Edward, Providence, R. I. Expansible weaver's reed | Feb. 11, 1879 | 349 | 95 | 15 | 172 |
| 216, 715 | Adamson, Joseph A., Philadelphia, Pa. Suspenders | June 24, 1879 | 815 | 233 | 15 | 1017 |
| 221, 901 | Adamson, Rasmus, Minneapolis, Minn. Plow | Nov. 25, 1879 | 905 | 253 | 16 | 963 |
| 211, 367 | Adamson, William, Philadelphia, Pa. Stock for paper-maker's size | Jan. 14, 1879 | 348 | ..... | 15 | 45 |
| 211, 368 | Same..... Stock for paper-maker's sizing | Jan. 14, 1879 | 348 | ..... | 15 | 45 |
| 212, 878 | Same.....Removing hydrocarbons from substances which have been treated therewith | Mar. 4, 1879 | 114 | 33 | 15 | 312 |
| 8, 741 | Adamson, William, assignor to J. P., E. P., and D. Baugh, Philadelphia, Pa. Treating offal (Reissue) | June 10, 1879 | 548 | 157 | 15 | 962 |
| 8, 742 | Same.....Treating offal (Reissue) | June 10, 1879 | 549 | 157 | 15 | 962 |
| 216, 816 | Adamson, William, Philadelphia, Pa. Treating bones for glue-stock | June 24, 1879 | 930 | ..... | 15 | 1031 |
| 217, 720 | Addis, George W., Clarkston, Mich. Gate | July 22, 1879 | 912 | 260 | 16 | 150 |
| 213, 311 | Addison, Edwin R., Cincinnati, Ohio. Variable exhaust for locomotives | Mar. 18, 1879 | 645 | 182 | 15 | 396 |
| 222, 221 | Addison, George C., Baltimore, Md. Refrigerator | Dec. 2, 1879 | 120 | 30 | 16 | 1025 |
| 218, 806 | Addy, Charles J., Boston, Mass. Machine for burnishing the sole-edges of boots and shoes | Aug. 26, 1879 | 835 | 235 | 16 | 363 |
| | Adee, Daniel M. (*See* Greenfield, Edwin T., assignor.) | | | | | |
| 211, 078 | Adee, Frederic, New York, N. Y. Urinal-shield | Jan. 7, 1879 | 1 | 1 | 15 | 1 |
| 222, 118 | Ader, Clement, Paris, France. Magnet-telephone | Dec. 2, 1879 | 1 | 1 | 16 | 1009 |
| 222, 119 | Same.....Visible signal for telephones | Dec. 2, 1879 | 2 | 1 | 16 | 1009 |
| 217, 970 | Ader, Jean B. Aine, New Orleans, La. Composition for water-filters | July 29, 1879 | 1192 | 342 | 16 | 194 |
| 217, 038 | Adgate, Joseph J., New York, assignor to R. C. Flack, Tarrytown, N. Y. Covering for pulleys | July 1, 1879 | 123 | 36 | 16 | 18 |
| 220, 562 | Adler, Abraham S., Baltimore, Md. Convertible slipper | Oct. 14, 1879 | 411 | 107 | 16 | 698 |
| | Adling, Charles. (*See* Bott, Joseph E., assignor.) | | | | | |
| 220, 691 | Adney, Joseph D., Chicago, Ill. Coffee-pot | Oct. 21, 1879 | 565 | 151 | 16 | 727 |
| 217, 670 | Adreance, Garret, Brooklyn, N. Y. Fluting-machine | July 22, 1879 | 857 | 245 | 16 | 143 |
| 218, 850 | Same.....Machine for compressing fluted goods | Aug. 26, 1879 | 892 | 249 | 16 | 370 |
| | Adsit, John O. (*See* Mulford, Daniel L., assignor.) | | | | | |
| 212, 167 | Adsit, John O., Hornellsville, N. Y. Head-rest for car-seats | Feb. 11, 1879 | 398 | 108 | 15 | 179 |
| 213, 858 | Agnew, Daniel, assignor of one-half interest to S. C. Brown, Pittsburg, Pa. Glass-furnace | Apr. 1, 1879 | 140 | 41 | 15 | 490 |
| 217, 255 | Agnew, David F., Allegheny, Pa. Bale-tie | July 8, 1879 | 374 | 110 | 16 | 60 |
| 218, 209 | Agnew, John L., Chicago, Ill. Pneumatic elevator | Aug. 5, 1879 | 119 | 32 | 16 | 236 |
| | Ahern, John. (*See* Lefferts, John W., assignor.) | | | | | |
| 222, 371 | Ahlborn, Henry, Verona, N. J. Stamp-mill | Dec. 9, 1879 | 288 | 80 | 16 | 1058 |
| 217, 763 | Ahrenbeck, Charles, Navasota, Tex. Car-coupling | July 22, 1879 | 953 | 274 | 16 | 156 |
| | Ahrens, Frederick. (*See* Windmüller & Ahrens.) | | | | | |
| 219, 891 | Ahrens, John H., Oswego, N. Y. Saw-set | Sept. 23, 1879 | 957 | 265 | 16 | 562 |
| 214, 074 | Ahrens, William L., New York, N. Y. Corset | Apr. 8, 1879 | 420 | 118 | 15 | 532 |
| | Aiken, James. (*See* Singleton, Samuel L., assignor.) | | | | | |
| | Aiken, Walter. (*See* Young, Charles H., assignor.) | | | | | |
| 214, 743 | Aiken, Walter, Franklin, N. H. Straight-knitting machine | Apr. 29, 1879 | 1209 | 339, 340 | 15 | 659 |
| 214, 744 | Same.....Sinker and yarn-carrier mechanism for straight-knitting machines | Apr. 29, 1879 | 1211 | 340 | 15 | 659 |
| 216, 125 | Same.....Knitting-machine | June 3, 1879 | 124 | 37 | 15 | 900 |
| 217, 569 | Same.....Straight-knitting machine | July 15, 1879 | 725 | 207 | 16 | 116 |
| 221, 263 | Aikman, Augustus H., and G. K. Osborn, Brooklyn, N. Y. Lamp | Nov. 4, 1879 | 134 | 37 | 16 | 831 |
| 212, 879 | Ainsworth, Clark, Monticello, Iowa. Elevator for harvesters | Mar. 4, 1879 | 115 | 34 | 15 | 313 |
| 216, 126 | Same.....same | June 3, 1879 | 126 | 37 | 15 | 901 |
| 216, 992 | Ainsworth, George C., Boston, Mass. Punch | July 1, 1879 | 69 | 21 | 16 | 11 |
| 211, 541 | Ainsworth, John H., Philadelphia, Pa. Railway-switch | Jan. 21, 1879 | 541 | 153, 154 | 15 | 72 |
| 213, 368 | Ainsworth, Llewellyn E., Vermillion, Dak. Neck-yoke attachment | Mar. 18, 1879 | 704 | 197 | 15 | 404 |
| 217, 570 | Aitchison, James, and J. F. Doolittle, Cleveland, Ohio. Boiler-flue cleaner | July 15, 1879 | 727 | 207 | 16 | 117 |
| 216, 127 | Aitken, Alexander, Newport Township, Johnson County, Iowa. Corn-planter | June 3, 1879 | 127 | 37 | 15 | 901 |
| 212, 781 | Aiton, Thomas, Pleasant View Township, Emmett County, Mich. Farm-gate | Mar. 4, 1879 | 1 | 1 | 15 | 297 |
| 211, 205 | Akam, Charles G., Chicago, Ill. Parlor billiard-table | Jan. 7, 1879 | 138 | 43 | 15 | 19 |
| 222, 223 | Akerly, Charles A., Owego, N. Y. Feather-renovator | Dec. 2, 1879 | 122 | 31 | 16 | 1025 |
| 217, 571 | Akers, William B., Little River, Va. Flood-gate | July 15, 1879 | 728 | 208 | 16 | 117 |
| 211, 366 | Akley, James D., Allegheny, Pa. Combined lift-pipe and spark-arrester | Jan. 14, 1879 | 347 | 101 | 15 | 45 |
| | Akron Straw Board Company. (*See* Seiberling, Monroe, assignor.) | | | | | |
| 214, 802 | Albaugh, George W., Martinsburg, W. Va. Land roller and pulverizer | Apr. 29, 1879 | 1281 | 358 | 15 | 668 |
| | Albeck, Charles J. (*See* Keller, John H. and E. M., assignors) (Reissue.) | | | | | |
| 215, 855 | Albee, Benjamin, assignor of one-half interest to W. T. Jackson, East Boston, Mass. Cattle-stall for vessels | May 27, 1879 | 1024 | 298 | 15 | 856 |
| 211, 681 | Alberger, Morris H., assignor of one-half interest to S. W. Pettit, Philadelphia, Pa. Telegraphic conductor | Jan. 28, 1879 | 721 | 202 | 15 | 99 |
| 222, 120 | Albers, Henry, assignor of two-thirds interest to E. Purpus and H. Laut, New Bremen, Ohio. Thill-coupling | Dec. 2, 1879 | 5 | 1 | 16 | 1009 |
| | Albert, William L., *et al.* (*See* Sepper, Leander C., assignor.) | | | | | |
| | Albrecht, Charles H., *et al.* (*See* Niemann, Franz H., assignor.) | | | | | |
| | Albrecht, Frank C., *et al.* (*See* Niemann, Franz H., assignor.) | | | | | |
| 218, 696 | Albrecht, Hermann, Philadelphia, Pa. Fluting-machine | Aug. 19, 1879 | 687 | 195 | 16 | 333 |
| | Albright, Andrew, *et al.* (*See* Greene, William A., assignor.) | | | | | |
| | Albright, Peter G. (*See* Lee, John, assignor.) | | | | | |
| 219, 892 | Albro, Charles E., Cortland Village, N. Y. Gear-cutting machine | Sept. 23, 1879 | 958 | 265 | 16 | 563 |
| 219, 426 | Albro, Egbert L., assignor of one-third interest to J. Hopkins, Lemars, Iowa. Horse-collar | Sept. 9, 1879 | 435 | 121 | 16 | 475 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 222, 372 | Alcoen, William, assignor of one-half interest to R. H. Cutler, Richland, Iowa. End-gate for wagons | Dec. 9, 1879 | 289 | 81 | 16 | 1059 |
| | Alden, Alanson B. (*See* Duncan & Alden.) | | | | | |
| | Alden, Charles H. (*See* Gifford & Alden.) | | | | | |
| 215, 035 | Alden, Samuel E., Leaf River, Ill. Wind-wheel | May 6, 1879 | 57 | 17 | 15 | 709 |
| 214, 075 | Alden, William W., Springfield, assignor to Short, Nerney & Co., Attleborough, Mass. Ornamental chain | Apr. 8, 1879 | 420 | 118 | 15 | 533 |
| | Alderman & Son, T. E. (*See* Allingham, James, assignor.) | | | | | |
| 212, 419 | Aldrich, Ashael, Marion, Iowa. Cutter for plows | Feb. 18, 1879 | 691 | 192 | 15 | 221 |
| 216, 128 | Aldrich, Asahel, Marion, Iowa. Colter | June 3, 1879 | 128 | 37 | 15 | 901 |
| 215, 425 | Aldrich, Davis, Blandinsville, Ill. Washing-machine | May 20, 1879 | 529 | 157 | 15 | 783 |
| | Aldrich, Edward H. (*See* Bean & Aldrich.) | | | | | |
| 220, 327 | Aldrich, George W., Brooklyn, N. Y. Tank for oils and other liquids | Oct. 7, 1879 | 131 | 36 | 16 | 652 |
| | Aldrich, Wales. (*See* Nye, Sherman R., assignor.) | | | | | |
| 219, 427 | Aldridge, Benjamin F., Hill Spring, Ky. Churn | Sept. 9, 1879 | 436 | 121 | 16 | 475 |
| 221, 142 | Aldridge, Hiram, Chicago, Ill. Railway-car roof | Nov. 4, 1879 | 1 | 1 | 16 | 813 |
| 211, 312 | Alexander, Abram, assignor of one-half interest to S. M. Boyd, Pittsburg, Pa. Hydrocarbon-gas apparatus | Jan. 14, 1879 | 288 | 86 | 15 | 38 |
| | Alexander, Horace C. (*See* Nichols & Alexander.) | | | | | |
| 212, 344 | Alexander, John R., Montreal, Canada. Truss | Feb. 18, 1879 | 609 | 171 | 15 | 210 |
| 213, 369 | Alexander, Thomas S., assignor to self, S. A. Hull, West Meriden, and E. Penfield, Middletown, Conn. Drawer-pull | Mar. 18, 1879 | 704 | 197 | 15 | 404 |
| 213, 370 | Alexander, Thomas S., West Meriden, assignor to self, E. Penfield, Middletown, and S. A. Hull, West Meriden, Conn. Drawer-pull | Mar. 18, 1879 | 705 | 198 | 15 | 404 |
| 217, 312 | Alexander, William G., Oskaloosa, Iowa. Gate | July 8, 1879 | 431 | 127 | 16 | 67 |
| 215, 856 | Alexander, Winfield S., Marysville, Ohio. Butter-mold | May 27, 1879 | 1025 | 299 | 15 | 856 |
| | Alford, George F. (*See* Tucker, Argyle W., assignor.) | | | | | |
| | Alford & Sorley, *et al.* (*See* Tucker, Argyle W., assignor.) | | | | | |
| | Algee, John. (*See* Spear, Lewis A., assignor.) | | | | | |
| 216, 639 | Allaire, Charles B., Peoria, Ill. Fire-hose jacket | June 17, 1879 | 715 | 205 | 15 | 993 |
| 215, 500 | Allderdice, Winslow, United States Navy. Distance-instrument | May 20, 1879 | 618 | 181 | 15 | 794 |
| 215, 857 | Allegree, William L., Hebbardsville, Ky. Churn | May 27, 1879 | 1026 | 299 | 15 | 856 |
| | Allen, A. F., *et al.* (*See* Pingree, Charles A., assignor.) | | | | | |
| | Allen, Augustus L. (*See* Harris & Allen.) | | | | | |
| | Allen, Charles L. (*See* Allen, William H. B., assignor.) | | | | | |
| | Allen, Cotton H., *et al.* (*See* Graves, George W., assignor.) | | | | | |
| | Allen, Cotton H. (*See* Pulliam, Luther, assignor.) | | | | | |
| 214, 605 | Allen, Cotton H., Chicago, Ill. Hame attachment | Apr. 22, 1879 | 1051 | 295 | 15 | 631 |
| 214, 745 | Same ..... same | Apr. 29, 1879 | 1212 | 340 | 15 | 659 |
| 220, 106 | Allen, David P. and J. A., Briar Bluff, Ill. Combined boiler and stove | Sept. 30, 1879 | 1220 | 336 | 16 | 607 |
| | Allen, Ethan. (*See* Dodge, George, assignor.) | | | | | |
| | Same ..... same ..... (Reissue.) | | | | | |
| 211, 489 | Allen, Francis W., and D. Crane, Saginaw, Mich. Pencil | Jan. 21, 1879 | 485 | 137 | 15 | 65 |
| 217, 671 | Allen, Horatio, South Orange, N. J. Terrestrial globe | July 22, 1879 | 859 | 245 | 16 | 143 |
| 212, 642 | Allen, Horatio N., Norwood, assignor to W.H. Kimball, Boston, Mass. Scroll-package for holding shoe-nails | Feb. 25, 1879 | 975 | 270 | 15 | 267 |
| 212, 531 | Allen, James A., South Adams, Mass. Furnace-grate | Feb. 25, 1879 | 857 | 237 | 15 | 251 |
| | Allen, James E., *et al.* (*See* Hege, Constantine A., assignor.) | | | | | |
| 213, 371 | Allen, James E., and P. F. Duffy, Greensborough, N. C. Brick-mold | Mar. 18, 1879 | 706 | 198 | 15 | 405 |
| 212, 297 | Allen, James N., assignor of one-half interest to C. Stone, Providence, R. I. Making ball-heads of scarf-pins, &c | Feb. 18, 1879 | 553 | 155 | 15 | 203 |
| 211, 682 | Allen, Jerome, Geneseo, N. Y. Preparing autographic stencils | Jan. 28, 1879 | 723 | ..... | 15 | 99 |
| | Allen, John A. (*See* Allen, David P. and J. A.) | | | | | |
| 214, 480 | Allen, John F., New York, N. Y. Boiler-saddle | Apr. 22, 1879 | 901 | 255 | 15 | 613 |
| 216, 591 | Same ..... Cooking-stove | June 17, 1879 | 669 | 191 | 15 | 987 |
| 218, 152 | Same ..... same | Aug. 5, 1879 | 54 | 15 | 16 | 228 |
| 222, 171 | Allen, John M., Marion, Mass. Manufacture of paper from coniferous trees | Dec. 2, 1879 | 61 | ..... | 16 | 1017 |
| 221, 713 | Allen, Joseph, Palmyra, N. Y. Hand-truck | Nov. 18, 1879 | 666 | 186 | 16 | 922 |
| 221, 714 | Same ..... Wagon-jack | Nov. 18, 1879 | 668 | 187 | 16 | 922 |
| 219, 058 | Allen, Lester H., assignor of one-half interest to A. Nute, Farmington, N. H. Trimmer for sewing-machines | Sept. 2, 1879 | 1 | 1 | 16 | 413 |
| 213, 602 | Allen, Levi D., Grass Lake, Mich. Nut-lock | Mar. 25, 1879 | 952 | 270 | 15 | 444 |
| 219, 563 | Allen, Lucius P., Clinton, Iowa. Removable book-cover | Sept. 16, 1879 | 581 | 163 | 16 | 503 |
| 219, 666 | Allen, Maurice P., Green Point, N. Y. Milk-receptacle | Sept. 16, 1879 | 706 | 196 | 16 | 519 |
| | Allen, S. C., *et al.* (*See* Livengood, Peter, assignor.) | | | | | |
| 222, 172 | Allen, Silas J., assignor to W. S. Godfrey, Providence, R. I. Collar-button | Dec. 2, 1879 | 63 | 15 | 16 | 1017 |
| 212, 782 | Allen, Stephen M., Duxbury, Mass. Manufacture of paper-pulp from wood | Mar. 4, 1879 | 2 | ..... | 15 | 297 |
| 218, 912 | Same ..... same | Aug. 26, 1879 | 960 | 270 | 16 | 380 |
| 221, 992 | Same ..... same | Nov. 25, 1879 | 1010 | 283 | 16 | 977 |
| 221, 993 | Same ..... Grinding wood | Nov. 25, 1879 | 1012 | 283 | 16 | 977 |
| 221, 143 | Allen, Theodore, Poughkeepsie, N. Y. Shipping case and can | Nov. 4, 1879 | 2 | 1 | 16 | 813 |
| | Allen, William. (*See* Davis, Charles F., assignor) ..... (Reissue.) | | | | | |
| 212, 345 | Allen, William B., Orleans, N. Y. Vehicle-seat lock | Feb. 18, 1879 | 610 | 171 | 15 | 210 |
| 214, 272 | Same ..... Plow | Apr. 15, 1879 | 649 | 182 | 15 | 572 |
| 214, 803 | Same ..... Stove-pipe | Apr. 29, 1879 | 1282 | 358 | 15 | 668 |
| 215, 200 | Same ..... Spring bed-bottom | May 13, 1879 | 267 | 79 | 15 | 739 |
| 217, 040 | Same ..... Powder-duster for destroying insects | July 1, 1879 | 125 | 37 | 16 | 19 |
| 217, 971 | Same ..... Hand-truck | July 29, 1879 | 1192 | 342 | 16 | 194 |
| 218, 654 | Same ..... Bag-holder | Aug. 19, 1879 | 643 | 181, 182 | 16 | 326 |
| 220, 266 | Same ..... Bottom for domestic boilers | Oct. 7, 1879 | 62 | 16 | 16 | 643 |
| 222, 851 | Allen, William H., New York, N. Y. Grain-meter | Dec. 23, 1879 | 866 | 249 | 16 | 1158 |
| 216, 929 | Same ..... Automatic grain weigher and register | July 1, 1879 | 1 | 1 | 16 | 3 |
| 222, 435 | Allen, William H. B., assignor to self and C. L. Allen, Cambridge, Mass. Window-blind fastener | Dec. 9, 1879 | 361 | 102 | 16 | 1068 |
| 213, 155 | Allen, William L., Belle Plaine, Kans. Baker's cabinet | Mar. 11, 1879 | 466 | 129 | 15 | 364 |
| 211, 614 | Allerton, George M., Naugatuck, Conn. Glove | Jan. 28, 1879 | 645 | 181 | 15 | 89 |
| 221, 762 | Alley, Moses, Friendship, N. Y. Carpet-beating machine | Nov. 18, 1879 | 720 | 201 | 16 | 929 |
| 217, 504 | Alley, William T., Ottumwa, assignor of one-half interest to J. A. Trimble, Keokuk, Iowa. Refrigerator | July 15, 1879 | 653 | 186 | 16 | 107 |
| | Allien, Victor S. (*See* Palmer, Isaac E., assignor.) | | | | | |
| | Alling, A. H., *et al.* (*See* Otis, Samuel L., assignor) ..... (Reissue.) | | | | | |
| | Alling, C. B., *et al.* (*See* Otis, Samuel L., assignor.) | | | | | |
| 218, 210 | Alling, Edward D., and J. Re Qua, Rochester, assignors to Buffalo Dental Manufacturing Company, Buffalo, N. Y. Dental bracket | Aug. 5, 1879 | 120 | 32 | 16 | 236 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 219,194 | Allison, Asa H., Millville, Ind. Gate | Sept. 2, 1879 | 149 | 45 | 16 | 431 |
| 211,079 | Allingham, James, Nevada, Iowa, assignor of one-half interest to T. E. Alderman & Son. Farm steamer | Jan. 7, 1879 | 2 | 1 | 15 | 1 |
| 212,532 | Allingham, James, Mason City, assignor of one-half interest to T. E. Alderman & Son, Nevada, Iowa. Stove-pipe thimble | Feb. 25, 1879 | 858 | 237 | 15 | 251 |
| | Allison & Co., W. C. (*See* Allison, William C., assignor.) | | | | | |
| | Allison & Co., William C. (*See* Davis, John K., assignor.) | | | | | |
| 216,367 | Allison, James J., Nelson, Ill. Bottling-machine | June 10, 1879 | 413 | 118 | 15 | 944 |
| 221,264 | Allison, Jesse H., New Vienna, Ohio. Plaiting-machine | Nov. 4, 1879 | 137 | 37 | 16 | 831 |
| 216,252 | Allison, Joseph, Danville, Ind. Gage for weather-boards | June 10, 1879 | 273 | 81 | 15 | 927 |
| | Allison, L. Sandidge. (*See* Wilkinson, Allison, Riley & Mochamer.) | | | | | |
| 218,360 | Allison, T. Ellwood, Philadelphia, Pa. Portable railway | Aug. 12, 1879 | 296 | 81 | 16 | 271 |
| 218,361 | Allison, Thomas E., Philadelphia, Pa. Iron railway-car | Aug. 12, 1879 | 297 | 81 | 16 | 271 |
| 214,076 | Allison, William C., assignor to W. C. Allison & Co., Philadelphia, Pa. Screw-threaded pipe joint and coupling | Apr. 8, 1879 | 421 | 118 | 15 | 533 |
| 214,804 | Allison, William C., Philadelphia, Pa. Pipe-joint | Apr. 29, 1879 | 1283 | 359 | 15 | 668 |
| 219,195 | Allison, William C., assignor to W. C. Allison & Co., Philadelphia, Pa. Machine for scouring metal tubes | Sept. 2, 1879 | 150 | 45 | 16 | 432 |
| 222,852 | Allison, William C., Philadelphia, Pa. Machine for making metal tubes | Dec. 23, 1879 | 867 | 250 | 16 | 1159 |
| 213,156 | Allonas, Joseph, Mansfield, Ohio. Grain-separator | Mar. 11, 1879 | 467 | 129 | 15 | 364 |
| 217,039 | Allonas, Joseph, deceased, M. D. Harter, executor and assignor to Aultman and Taylor Company, Mansfield, Ohio. Thrashing-machine | July 1, 1879 | 124 | 37 | 16 | 19 |
| 221,265 | Allonas, Joseph, deceased, M. D. Harter, executor, Mansfield, Ohio. Portable engine. | Nov. 4, 1879 | 138 | 37, 38 | 16 | 832 |
| 221,266 | Same ..... same | Nov. 4, 1879 | 139 | 38 | 16 | 832 |
| 216,775 | Allyn, John H., Mormontown, Iowa. Check-row corn-planter | June 24, 1879 | 887 | 251, 252 | 15 | 1025 |
| 222,566 | Allred, Walter B., High Point, N. C., assignor of one-half interest to H. L. Koellsch. Water-wheel | Dec. 16, 1879 | 531 | 151 | 16 | 1101 |
| | Alsing, Johan R. (*See* Alsing, Tolf O., assignor.) | | | | | |
| | Same ..... (*See* Hartley, John W., assignor.) | | | | | |
| 219,667 | Alsing, Tolf O., Köping, Sweden, assignor to self and J. K. Alsing, Hoboken, N. J. Manufacture of albumen from fish-spawn | Sept. 16, 1879 | 707 | 196 | 16 | 519 |
| 215,036 | Alsop, Thomas, Elkhart City, Ill. Windmill | May 6, 1879 | 59 | 18 | 15 | 710 |
| 215,858 | Alters, Joseph K., assignor to self and J. H. Braisington, Maiden Rock, Wis. Drag-sawing machine | May 27, 1879 | 1027 | 299 | 15 | 856 |
| 222,224 | Althans, Ernst F., Breslau, O. Junghann and A. Ulsmann, Stadt Kœnigshuette, Prussia, Germany. Fire-proof compound for lining furnaces, converters, and for other purposes | Dec. 2, 1879 | 123 | ..... | 16 | 1025 |
| 211,542 | Althouse, Daniel W. and I. W., Centreport, Pa. Combined bier and elevator | Jan. 21, 1879 | 544 | 154 | 15 | 72 |
| | Althouse, Isaac W. (*See* Althouse, Daniel W. and I. W.) | | | | | |
| | Altmann, Moritz. (*See* Davey, John, assignor.) | | | | | |
| 213,157 | Alvord, Clark, Kendall Creek, Pa. Oil-still | Mar. 11, 1879 | 468 | 129 | 15 | 364 |
| 220,906 | Amazeen, Christopher, Boston, Mass. Leather-skiving machine | Oct. 28, 1879 | 817 | 219 | 16 | 769 |
| | Amberg, William A. (*See* Orton, Thomas, assignor.) | | | | | |
| | Same ..... (*See* Thompson, Edward H., assignor) ..... (Reissue.) | | | | | |
| 8,980 | Amberg, William A., Chicago, Ill. Temporary binder ..... (Reissue) | Nov. 25, 1879 | 1153 | 325 | 16 | 997 |
| 211,369 | Ambler, Augustin I., New York, N. Y., assignor, by mesne assignments, to S. M. Whipple, Grantville, Mass. Vapor-fuel generator | Jan. 14, 1879 | 349 | 102 | 15 | 45 |
| 211,206 | Am Ende, Charles G., Hoboken, N. J. Glycero-ferrated cotton | Jan. 7, 1879 | 138 | ..... | 15 | 19 |
| | American Bank Note Company. (*See* Macdonough, James, assignor.) | | | | | |
| | American Belt-Tin and Tube Company. (*See* Wilmot, Samuel R., assignor.) | | | | | |
| | American Chain Company (limited). (*See* Chamberlin, Charles A., assignor) .. (Reissue.) | | | | | |
| | American Cotton Tie Supply Company. (*See* Swett, Charles, assignor.) | | | | | |
| | American District Telegraph Company. (*See* Chester, Charles T., assignor) .. (Reissue.) | | | | | |
| | American Hook and Button Company. (*See* Shurtleff, William H., assignor) .. (Reissue.) | | | | | |
| | American Liquid Fuel Company. (*See* Rogers, John, assignor.) | | | | | |
| | Same ..... (*See* Salisbury, Silas C., assignor.) | | | | | |
| | American Machine Company *et al.* (*See* Potts, Mary F., assignor) ..... (Reissue.) | | | | | |
| | American Marble Cutting Company. (*See* Maloy, James W., assignor.) | | | | | |
| | American Metallic Packing Association. (*See* Tripp, Thomas, assignor.) | | | | | |
| | American Ring Company. (*See* McClintock, George W., assignor.) | | | | | |
| | American Screw Company. (*See* Rogers, Charles D., assignor.) | | | | | |
| | American Shade Roller Company. (*See* Barrett & Knapp, assignors.) | | | | | |
| | American Shade Roller Company. (*See* Barrett, Thomas, assignor.) | | | | | |
| | American Shearer Manufacturing Company. (*See* Priest, Joseph K., assignor.) | | | | | |
| | Amerson, William. (*See* Neimeister & Amerson.) | | | | | |
| | Ames & Frost. (*See* Moody, William F., assignor.) | | | | | |
| 213,312 | Ames, Henry, Wilton, N. H. Telegraph-key | Mar. 18, 1879 | 646 | 182 | 15 | 396 |
| 214,343 | Ames, Hugh O., New Orleans, La. Obtaining pure water from rivers | Apr. 15, 1879 | 740 | 207 | 15 | 584 |
| 214,606 | Same ..... Evaporating-pan | Apr. 22, 1879 | 1052 | 295 | 15 | 631 |
| 217,972 | Ames, James, jr., New York, N. Y. Making brushes | July 29, 1879 | 1194 | 342 | 16 | 194 |
| 217,672 | Amidon, Charles H., Buffalo, N. Y. Bit-brace | July 22, 1879 | 860 | 245 | 16 | 143 |
| 221,763 | Ammons, John W., assignor to self and J. P. Horner, Columbia, Mo. Grooving-iron | Nov. 18, 1879 | 721 | 201 | 16 | 929 |
| | Amoey, Francis, *et al.* (*See* Longfellow, Stephen, assignor.) | | | | | |
| | Same ..... (*See* McCarty, William, assignor.) | | | | | |
| 220,048 | Amos, Alexander M., Lewiston, Me. Steam-cooker | Sept. 30, 1879 | 1153 | 317 | 16 | 597 |
| 213,372 | Amouroux, Louis A., West Mount Vernon, N. Y. Inlaying metallic ornaments in wood or stone | Mar. 18, 1879 | 706 | 198 | 15 | 405 |
| 221,012 | Amrhein, Andreas, Maredsons, Belgium. Horse-detaching apparatus | Oct. 28, 1879 | 951 | 254 | 16 | 786 |
| | Anchor Soap Stone Company. (*See* Steward, Demetrius M., assignor.) | | | | | |
| 215,551 | Anders, George L., Boston, assignor to E. B. Welch, Cambridge, Mass. Printing-telegraph | May 20, 1879 | 673 | 196, 197 | 15 | 802 |
| 217,849 | Anders, George L., Boston, assignor to C. Williams, jr., Somerville, Mass. Magneto-electric call apparatus | July 29, 1879 | 1061 | 305 | 16 | 177 |
| 218,153 | Anders, George L., Boston, Mass. Electric-call apparatus for telephone-lines | Aug. 5, 1879 | 55 | 15 | 16 | 228 |
| 219,059 | Same ..... Electric call-bell | Sept. 2, 1879 | 2 | 1 | 16 | 413 |
| 218,913 | Andersen, Soren, Stronach, Mich. Saw-grinder | Aug. 26, 1879 | 962 | 270 | 16 | 380 |
| 211,207 | Anderson, Axel W., Bedford, Pa. Making fiber-faced paper | Jan. 7, 1879 | 139 | ..... | 15 | 19 |
| 218,362 | Anderson, Charles, and A. E. Briggs, Cincinnati, Ohio, assignors to Post & Co. Telephone and microphone switch | Aug. 12, 1879 | 298 | 81 | 16 | 271 |
| 211,209 | Andrews, Daniel L., Menominee, Mich. Wick-trimmer | Jan. 7, 1879 | 143 | 43 | 15 | 20 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 212, 829 | Anderson, David H., San Francisco, Cal., assignor of one-half interest to S. K. Goldtrap, Centerville, Idaho. Quartz-mill | Mar. 4, 1879 | 56 | 18 | 15 | 305 |
| 213, 373 | Same.....Ore-feeder for stamp-mills | Mar. 18, 1879 | 707 | 198 | 15 | 405 |
| 220, 212 | Same .....Water-wheel | Oct. 7, 1879 | 1 | 1 | 16 | 635 |
| 214, 865 | Anderson, Edgar J., assignor to J. Jensen, Racine, Wis. Brake-lever for vehicles | Apr. 29, 1879 | 1352 | 376 | 15 | 677 |
| | Anderson, Edward. (*See* Reamer & Anderson.) | | | | | |
| | Anderson, George P. (*See* Hogeland, Israel, assignor.) | | | | | |
| | Anderson, George W. (*See* Hanley & Anderson.) | | | | | |
| 221, 491 | Anderson, Henry B., Saint Louis, Mo. Bottle and stopper | Nov. 11, 1879 | 414 | 113 | 16 | 877 |
| 213, 085 | Anderson, James C., Pittsburg, Pa. Brick-machine | Mar. 11, 1879 | 378 | 106, 107 | 15 | 354 |
| 214, 481 | Same.....Process and apparatus for manufacturing brick and other articles from calcareous clay | Apr. 22, 1879 | 902 | 255 | 15 | 613 |
| 220, 693 | Anderson, James C., and J. Greenawalt, Pittsburg, Pa. Paving-block | Oct. 21, 1879 | 567 | 151 | 16 | 727 |
| 222, 225 | Anderson, James C., Pittsburg, Pa. Machine and process for disintegrating clay, &c | Dec. 2, 1879 | 125 | 31 | 16 | 1025 |
| | Anderson, James K., *et al.* (*See* Daul, John, assignor.) | | | | | |
| 221, 492 | Anderson, Peter, Racine, Wis. Corner-plate for carriage-bodies | Nov. 11, 1879 | 415 | 113 | 16 | 877 |
| 218, 211 | Anderson, Richard Y., Santa Clara, Cal. Safety attachment for chains | Aug. 5, 1879 | 121 | 33 | 16 | 236 |
| 220, 329 | Anderson, Samuel J., and P. W. Farley, Cazenovia, N. Y. Pounder washing-machine | Oct. 7, 1879 | 133 | 36 | 16 | 653 |
| 220, 267 | Anderson, Waverly, Guthrie, Ky. Seed-drill | Oct. 7, 1879 | 63 | 17 | 16 | 643 |
| | Anderson, William R. (*See* Morgan & Anderson.) | | | | | |
| 220, 692 | Anderson, William W., New York, N. Y. Garter | Oct. 21, 1879 | 566 | 151 | 16 | 727 |
| 217, 191 | Andre, Addison C., Turtle, Wis. Horse corn-planter | July 8, 1879 | 307 | 91 | 16 | 51 |
| 214, 344 | Andre, Emil, Ehrenbreitstein, Germany, assignor to P. Holder, New York, N. Y. Separating metals by electrolysis | Apr. 15, 1879 | 741 | 207 | 15 | 584 |
| 216, 368 | Andres, Hiram, Philadelphia, Pa. Suspender | June 10, 1879 | 414 | 119 | 15 | 944 |
| 215, 712 | Andrews, Albert J., Linden, Mich. Platform-ladder | May 27, 1879 | 859 | 252 | 15 | 835 |
| 213, 084 | Andrews, Albert L., Providence, R. I. Hitching-bar | Mar. 11, 1879 | 377 | 106 | 15 | 354 |
| | Andrews, Alfred H., *et al.* (*See* Dodge, James M., assignor.) | | | | | |
| | Same.....(*See* Mallett, Francis W., assignor.) | | | | | |
| | Andrews & Co., A. H. (*See* Munger, George, assignor).....(Reissue.) | | | | | |
| 222, 647 | Andrews, Edward, assignor of one-half interest to S. E. Griscom, Pottsville, Pa. Elevated railway and car therefor | Dec. 16, 1879 | 634 | 181 | 16 | 1115 |
| 216, 301 | Andrews, Edward N., assignor of one-half interest to O. E. Pillard, New Britain, Conn. Blacking-brush | June 10, 1879 | 333 | 98 | 15 | 934 |
| 211, 080 | Andrews, Elvin D., Sterling, assignor of one-half interest to J. B. Ralph, Rock Falls, Ill. Barrel-truck | Jan. 7, 1879 | 2 | 1 | 15 | 1 |
| | Andrews, George P. (*See* Andrews & Chamberlin.) | | | | | |
| 222, 226 | Andrews, George S., San Francisco, Cal. Caster | Dec. 2, 1879 | 126 | 31 | 16 | 1025 |
| 222, 646 | Andrews, Henry B., and O. W. Ball, Faribault, Minn. Axle-box press | Dec. 16, 1879 | 634 | 181 | 16 | 1115 |
| | Andrews, Herbert L., *et al.* (*See* Dodge, James M., assignor.) | | | | | |
| | Same.....(*See* Mallett, Francis W., assignor.) | | | | | |
| 213, 028 | Andrews, Herbert L., Chicago, Ill. Slate-frame | Mar. 11, 1879 | 313 | 87 | 15 | 345 |
| 221, 951 | Andrews, Hezekiah P., Somerville, Mass. Garment-supporter | Nov. 25, 1879 | 966 | 270 | 16 | 971 |
| | Andrews, Matthew S. (*See* Tufts & Andrews.) | | | | | |
| 221, 436 | Andrews, Nahum H., Springfield, Ohio. Vegetable-slicer | Nov. 11, 1879 | 346 | 96 | 16 | 869 |
| 218, 212 | Andrews, Ransom R., Smethport, Pa. Apparatus for leaching tan-bark | Aug. 5, 1879 | 122 | 33 | 16 | 236 |
| 211, 208 | Andrews, Robert W. and G. P., Staffordville, Conn., and H. E. Chamberlin, Westerly, R. I. Loom | Jan. 7, 1879 | 141 | 43 | 15 | 19 |
| | Andrews, William, *et al.* (*See* Noeton, Arthur R., assignor.) | | | | | |
| 214, 607 | Angel, Joseph R., Le Raysville, Pa. Wagon-jack | Apr. 22, 1879 | 1053 | 295 | 15 | 631 |
| 219, 668 | Angell, Albert, East Orange, assignor to self, R. Blake, Newark, and C. Taylor, Englewood, N. J. Process and machine for disintegrating ramie, &c | Sept. 16, 1879 | 708 | 196 | 16 | 519 |
| 216, 930 | Augell, Benjamin J., Attleborough, Mass. Button and stud | July 1, 1879 | 2 | 1 | 16 | 3 |
| 218, 807 | Angell, Edwin R., assignor of one-half interest to F. Hencke, Decorah, Iowa. Draft-equalizer | Aug. 26, 1879 | 836 | 235 | 16 | 363 |
| | Anguish, Hobert S. (*See* Cushing, William L. B. and J. J., assignors.) | | | | | |
| | Anker, Nicholas A. (*See* Morison & Anker.) | | | | | |
| 211, 879 | Annan, Alexander, Brooklyn, N. Y. Steam-heating apparatus | Feb. 4, 1879 | 66 | 19 | 15 | 134 |
| 217, 764 | Annear, John, Philadelphia, Pa. Bottle-stopper | July 22, 1879 | 954 | 274 | 16 | 156 |
| 211, 878 | Annes, Lorenzo J., Amadore, Mich. Buggy-seat | Feb. 4, 1879 | 65 | 19 | 15 | 134 |
| 214, 866 | Anschicks, Balthasar, and J. Rosenkrans, Ransom, Ill. Bridle attachment | Apr. 29, 1879 | 1352 | 376 | 15 | 677 |
| | Anshutz & Co., H. (*See* Bradberry, William T., assignor.) | | | | | |
| 219, 060 | Ansorge, Wenzel J., and J. Sommer, Grand Rapids, Mich. Steam feed and hoisting apparatus | Sept. 2, 1879 | 4 | 2 | 16 | 413 |
| | Anthony & Co., E. and H. T. (*See* Astrom, Charles, assignor.) | | | | | |
| | Same.....(*See* Roche, Thomas C., assignor.) | | | | | |
| | Anthony, Edward R. (*See* Skardon, James, assignor.) | | | | | |
| 212, 880 | Anthony, Edwyn, Hereford, and W. W. Taylor, Cambridge, England. Printing-machine | Mar. 4, 1879 | 115 | 34, 35, 36 | 15 | 313 |
| 211, 683 | Antheny, William P., assignor to self and G. A. Wood, Chambersburg, Pa. Middlings-separator | Jan. 28, 1879 | 723 | 202 | 15 | 99 |
| 213, 086 | Anway, Thomas S., Edenville, N. Y. Washing-machine | Mar. 11, 1879 | 385 | 107 | 15 | 354 |
| 213, 490 | Apfel, George, Chicago, Ill. Boot and shoe | Mar. 25, 1879 | 829 | 235 | 15 | 429 |
| 219, 377 | App, Oliver, Blue Mound, Ill. Composition for preserving wood | Sept. 9, 1879 | 379 | ..... | 16 | 468 |
| 219, 196 | Appel, Charles H., assignor to E. S. Appel, Shimerville, Pa. Bretzel-machine | Sept. 2, 1879 | 151 | 45 | 16 | 432 |
| 219, 376 | Appel, Daniel, assignor of one-half interest to N. W. Taylor, Cleveland, Ohio. Satchel-bottomed paper bag | Sept. 9, 1879 | 377 | 106 | 16 | 468 |
| 221, 144 | Same .....Paper bag | Nov. 4, 1879 | 3 | 1 | 16 | 813 |
| | Appel, Ellen S. (*See* Appel, Charles H., assignor.) | | | | | |
| 219, 669 | Appleby, Charles O., Nyack, assignor to J. A. Lockwood, Yonkers, N. Y. Hat-binding attachment to sewing-machines | Sept. 16, 1879 | 709 | 196, 197 | 16 | 519 |
| 212, 420 | Appleby, John F., West De Pere, Wis. Grain-binding harvester | Feb. 18, 1879 | 692 | 193 | 15 | 221 |
| 216, 253 | Appleby, John F., Beloit, Wis. Harvester-reel | June 10, 1879 | 274 | 81 | 15 | 927 |
| 217, 192 | Same .....Shaft and sleeve coupling | July 8, 1879 | 308 | 91 | 16 | 51 |
| | Applegate, John H. (*See* Stackpole & Applegate.) | | | | | |
| 212, 783 | Applegate, John H., Revere, assignor to McKay Twin Sewing Machine Association, Boston, Mass. Sewing-machine | Mar. 4, 1879 | 3 | 1 | 15 | 297 |
| | Appleton Manufacturing Company. (*See* Rowell, Guilford D., assignor.) | | | | | |
| 221, 715 | Appleton, William, assignor to F. T. Pearce and J. Hoagland, Providence, R. I. Pen and pencil case | Nov. 18, 1879 | 670 | 187 | 16 | 922 |
| 218, 467 | Apsey, Joseph, 22 Waterloo Bridge Road, Surrey County, England. Steam street-car | Aug. 12, 1879 | 426 | 118 | 16 | 288 |
| 213, 003 | Apraxine, Antoine, St. Petersburg, Russia. Aerial balloon | Mar. 25, 1879 | 953 | 271 | 15 | 444 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 220, 907 | Arbogast, Philip, assignor to self, J. M. Patterson, A. Howard, H. C. Van Tine, and W. I. Miller, Pittsburg, Pa. Coating wire, &c., with glass | Oct. 28, 1879 | 818 | 219 | 16 | 769 |
| 220, 908 | Same.....Manufacture of glass-coated wire | Oct. 28, 1879 | 819 | 219 | 16 | 769 |
| 222, 768 | Arbogast, Philip, Pittsburg, Pa. Manufacture of glass-incased wire | Dec. 23, 1879 | 765 | 221 | 16 | 1145 |
| 221, 952 | Archer, James H., San Francisco, Cal. Invalid-bed | Nov. 25, 1879 | 967 | 270, 271 | 16 | 971 |
| | Archer, William S. (*See* Southmayd, John A., assignor.) | | | | | |
| 215, 784 | Archer, William S., Dayton, Ohio. Horse hay-rake | May 27, 1879 | 933 | 274, 275 | 15 | 845 |
| | Archibald, Henry C. (*See* Heyl, Henry R., assignor.) | | | | | |
| 217, 193 | Archibald, John, Philadelphia, and H. Holcroft, Media, assignors of one-half interest to D. R. Jones, Philadelphia, and C. S. Smith, Chester, Pa. Machine for making spotted yarn | July 8, 1879 | 309 | 91 | 16 | 51 |
| | Arehart, Jacob. (*See* Hemp, James, assignor.) | | | | | |
| 217, 041 | Argall, James, Mineral Point, Wis. Feed-water heater | July 1, 1879 | 127 | 37, 38 | 16 | 19 |
| 220, 563 | Same.....same | Oct. 14, 1879 | 412 | 107 | 16 | 698 |
| 8, 680 | Arkell, James, assignor to self and B. and A. Smith, Canajoharie, N. Y. Art of and machine for making paper bags.....(Reissue) | Apr. 22, 1879 | 1192 | 335, 336 | 15 | 649 |
| 8, 824 | Same.....Assignor to Arkell & Smiths. Paper-bag machine.....(Reissue) | July 29, 1879 | 1346 | 385, 386, 387 | 16 | 213 |
| 220, 462 | Arkell, James, Canajoharie, N. Y. Time-globe | Oct. 14, 1879 | 287 | 77 | 16 | 683 |
| 221, 013 | Arkell, James, assignor to Juvet & Co., Canajoharie, N. Y. Globe and machinery and process for making the same | Oct. 28, 1879 | 952 | 254, 255 | 16 | 787 |
| | Arkell & Smiths. (*See* Arkell, James, assignor).....(Reissue.) | | | | | |
| | Same.....(*See* Smith, Adam, assignor.) | | | | | |
| 216, 129 | Arless, James, Montreal, Canada. Horse-stall on shipboard | June 3, 1879 | 128 | 38 | 15 | 901 |
| 217, 315 | Arms, James C., Hartford, Conn. Fastening for pocket-books, &c | July 8, 1879 | 434 | 128 | 16 | 67 |
| 219, 428 | Armstead, Taswill B., New York, N. Y. Device for clearing obstructions from pipes | Sept. 9, 1879 | 437 | 121 | 16 | 475 |
| 220, 330 | Armstead, Taswill B., assignor to self, J. Christie, New York, and A. T. Bissett, Brooklyn, N. Y. Device for removing obstructions from waste-pipes | Oct. 7, 1879 | 134 | 37 | 16 | 653 |
| 217, 313 | Armstrong, Andrew A., Milford, Pa. Sash-fastener | July 8, 1879 | 432 | 127 | 16 | 67 |
| | Armstrong, Augustine B. (*See* Wallace, William V., assignor.) | | | | | |
| 219, 197 | Armstrong, Benjamin A., New York, N. Y. Drawer | Sept. 2, 1879 | 152 | 46 | 16 | 432 |
| | Armstrong, Frank. (*See* Potter, Thomas O., assignor.) | | | | | |
| | Same.....(*See* Vinton, John H., assignor.) | | | | | |
| | Same.....same.....(Reissue.) | | | | | |
| | Armstrong, George W. (*See* Barrow, Marion J., assignor.) | | | | | |
| 213, 800 | Armstrong, Ira R., Fletcher, Vt. Blinder for horses | Apr. 1, 1879 | 76 | 24 | 15 | 482 |
| 213, 159 | Armstrong, James H., New York, N. Y. Tapping attachment for barrels and other vessels | Mar. 11, 1879 | 471 | 131 | 15 | 365 |
| 216, 130 | Armstrong, John C., Sharon, Pa. Hay-elevator | June 3, 1879 | 129 | 38 | 15 | 901 |
| 213, 158 | Armstrong, Pleasant, Camden, Ala. Gin-saw sharpener | Mar. 11, 1879 | 469 | 130 | 15 | 365 |
| 216, 131 | Armstrong, Samuel, Newark, N. J. Piston-rod packing | June 3, 1879 | 130 | 38 | 15 | 901 |
| 216, 993 | Armstrong, Thomas M., Pittsburg, Pa. Vent-bung | July 1, 1879 | 70 | 21 | 16 | 11 |
| 221, 014 | Armstrong, William E., New York, N. Y. Medicated liquorice | Oct. 28, 1879 | 956 | ..... | 16 | 787 |
| 221, 437 | Arn, Hermann, Sedalia, Mo. Lighting device | Nov. 11, 1879 | 347 | 96 | 16 | 869 |
| | Arndt, Edward W. (*See* Lawton & Arndt.) | | | | | |
| 213, 160 | Arno, Oliver H., Wilmington, Mass. Mechanical musical instrument | Mar. 11, 1879 | 472 | 131 | 15 | 365 |
| 213, 604 | Same.....same | Mar. 25, 1879 | 954 | 271 | 15 | 444 |
| 223, 091 | Arno, Oliver H., Wilmington, Mass., assignor to J. Morgan, Brooklyn, N. Y. Mechanical musical instrument | Dec. 30, 1879 | 1148 | 324 | 16 | 1208 |
| 215, 201 | Arnold, Bernard W., Litchfield, Ill. Baling-press | May 13, 1879 | 268 | 79 | 15 | 739 |
| 214, 077 | Arnold, Henry L., Leadville, Colo. Coal-scuttle | Apr. 8, 1879 | 422 | 119 | 15 | 533 |
| 214, 867 | Arnold, Hermann, Elizabeth, N. J. Tobacco-box | Apr. 29, 1879 | 1353 | 376 | 15 | 677 |
| | Arnold, Preserved W. (*See* Chase & Arnold.) | | | | | |
| | Arnold, Samuel S., *et al.* (*See* Whittemore, Amos, assignor).....(Reissue.) | | | | | |
| | Arnold, S. D. (*See* Sheets, William P., assignor.) | | | | | |
| | Arnold, Thomas H. (*See* Morton, George B., assignor.) | | | | | |
| | Arnold, Uriah K. (*See* Richmann, Henry, assignor.) | | | | | |
| | Arnold, William. (*See* Laskey & Arnold.) | | | | | |
| 213, 729 | Arnold, William B., North Abington, Mass. Peg-rasper | Apr. 1, 1879 | 1 | 1 | 15 | 473 |
| | Arnold, William C. (*See* Stoker, George W., assignor.) | | | | | |
| 217, 314 | Arnold, William E., Rochester, N. Y. Boiler for cooking | July 8, 1879 | 433 | 128 | 16 | 67 |
| 223, 090 | Arnold, William M., Atlanta, Ga. Artificial stone tomb or vault | Dec. 30, 1879 | 1147 | 324 | 16 | 1208 |
| 221, 384 | Arthur, Charles M., Ipswich, Mass. Oil-stove | Nov. 11, 1879 | 289 | 79 | 16 | 861 |
| 214, 868 | Arzt, Frederick, New York, N. Y. Candle-holder | Apr. 29, 1879 | 1354 | 377 | 15 | 677 |
| 220, 213 | Asbury, Daniel, Charlotte, N. C., assignor of one-half interest to E. N. Hutchison. Brick-kiln | Oct. 7, 1879 | 2 | 1 | 16 | 635 |
| 222, 853 | Ascher, Julius, Berlin, Prussia, Germany. Baggage-car for street-railways | Dec. 23, 1879 | 869 | 250 | 16 | 1159 |
| 211, 828 | Ash, James, Chicago, Ill. Stove-truck | Feb. 4, 1879 | 1 | 1 | 15 | 127 |
| 8, 735 | Ashby, William, assignor to W. B. Carithers, Toulon, Ill. Steam-engine governor. (Reissue) | June 3, 1879 | 262 | 78 | 15 | 918 |
| | Ashcroft, James E. (*See* Browning, Edward L., assignor.) | | | | | |
| 213, 029 | Ashcroft, John, Brooklyn, N. Y. Steam cooking-stove | Mar. 11, 1879 | 313 | 87, 88 | 15 | 345 |
| 213, 730 | Same.....Grate-bar | Apr. 1, 1879 | 1 | 1 | 15 | 473 |
| 221, 656 | Same.....Grate-bar for furnaces | Nov. 18, 1879 | 601 | 169 | 16 | 913 |
| 221, 657 | Same.....Grate and grate-bar for furnaces | Nov. 18, 1879 | 601 | 169 | 16 | 913 |
| 9, 004 | Ashcroft, John, Brooklyn, N. Y., assignor to S. J. Ashcroft. Steam cooking-range. (Reissue) | Dec. 30, 1879 | 1275 | 360, 361 | 16 | 1226 |
| | Ashcroft Manufacturing Company. (*See* Higginson, Charles M., assignor.) | | | | | |
| | Ashcroft, Sarah J. (*See* Ashcroft, John, assignor).....(Reissue.) | | | | | |
| 211, 124 | Ashe, William F., New York, N. Y. Accessories for forming photographic backgrounds | Jan. 7, 1869 | 53 | 16 | 15 | 7 |
| | Ashmun Screen Plate Company. (*See* Robertson, James, assignor).....(Reissue.) | | | | | |
| 215, 389 | Ashton, Frank, Wheeling, W. Va. Exercising-machine | May 13, 1879 | 474 | 142 | 15 | 767 |
| 214, 981 | Ashton, Henry G., Somerville, Mass., assignor to Ashton Valve Company. Safety-valve attachment | May 6, 1879 | 2 | 1 | 15 | 703 |
| 212, 643 | Ashton, John, and A. Hayward, assignors of one-third interest to C. S. McCambridge, Philadelphia, Pa. Sad-iron | Feb. 25, 1879 | 976 | 270 | 15 | 267 |
| | Ashton Valve Company. (*See* Ashton, Henry G., assignor.) | | | | | |
| 216, 494 | Ashwell, Thomas, Chicago, Ill. Package for canned meat | June 17, 1879 | 561 | 161 | 15 | 973 |
| 215, 311 | Askwith, John, Chicago, Ill. Can | May 13, 1879 | 404 | 120 | 15 | 756 |
| 217, 316 | Asper, Benjamin F., assignor of one-half interest to E. J. Waring, Pittsburg, Pa. Portable derrick for oil and other wells | July 8, 1879 | 435 | 128 | 16 | 67 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 221, 764 | Asper, Benjamin F., Pittsburg, Pa. Hand-stamp | Nov. 18, 1879 | 722 | 201 | 16 | 929 |
| 221, 267 | Aspinwall, Frank B., Chicago, Ill. Railway-signal | Nov. 4, 1879 | 141 | 39 | 16 | 832 |
| 215, 859 | Ast, Joseph P., Staunton, Va. Refrigerator | May 27, 1879 | 1028 | 300 | 15 | 856 |
| | Atherton, Joseph L. (*See* Guyer & Atherton.) | | | | | |
| 220, 564 | Atkins, Carroll J., Lenisiana, Mo. Ice-elevator | Oct. 14, 1879 | 413 | 107 | 16 | 698 |
| | Atkins, David F. (*See* Rose, Reuben M., assignor.) | | | | | |
| 218, 914 | Atkins, Elias C., and F. Fenton, Indianapolis, Ind. Crosscut-saw handle | Aug. 26, 1879 | 963 | 270 | 16 | 380 |
| 221, 995 | Atkins, Elias C., Indianapolis, Ind. Cupola-furnace | Nov. 25, 1879 | 1014 | 284 | 16 | 997 |
| 216, 931 | Atkins, Elijah, Birmingham, Warwick County, England. Glove and other fastening | July 1, 1879 | 3 | 1 | 16 | 3 |
| 215, 037 | Atkinson, Edward U., Martling, Mo. Spring clasp | May 6, 1879 | 60 | 18 | 15 | 710 |
| 221, 994 | Atkinson, Francis F., New York, N. Y. Sample-box | Nov. 25, 1879 | 1013 | 283, 284 | 16 | 997 |
| | Atkinson, Henry C. (*See* Atkinson, William B. and H. C.) | | | | | |
| 216, 132 | Atkinson, Henry C., Franklin, Ky. Combined oven-door and roaster | June 3, 1879 | 131 | 39 | 15 | 902 |
| 219, 429 | Same.....Roasting-oven | Sept. 9, 1879 | 438 | 121 | 16 | 475 |
| 219, 359 | Atkinson, James M., assignor of one-half interest to E. Jones, Pittsburg, Pa. Combined sleeve and clamp for repairing water-mains | Sept. 9, 1879 | 335 | 95 | 16 | 263 |
| | Atkinson, Mahlon B. (*See* Hann & Atkinson.) | | | | | |
| 8, 917 | Atkinson, Mahlon B., Sharpsburg, Md., assignor of two-thirds interest to W. Cammack and G. W. Decker, Washington, D. C. Grinding-mill .....(Reissue) | Sept. 30, 1879 | 1353 | 372, 373 | 16 | 626 |
| | Atkinson, Thomas. (*See* Mayo & Atkinson.) | | | | | |
| 212, 085 | Atkinson, William, Syracuse, N. Y. Adjustable shaft for sleighs | Feb. 11, 1879 | 309 | 85 | 15 | 167 |
| 213, 859 | Atkinson, William B. and H. C., Franklin, Ky. Shipping-case | Apr. 1, 1879 | 141 | 42 | 15 | 491 |
| | Atlantic Steam Engine Works Company. (*See* Jova, John J., assignor.) | | | | | |
| | Atlas Engine Works Company. (*See* Hatch, Willard T., assignor.) | | | | | |
| 8, 677 | Atterbury, Thomas B., and W. Beck, Pittsburg, Pa. Machine for shaping and finishing glassware .....(Reissue) | Apr. 15, 1879 | 895 | 252 | 15 | 604 |
| 211, 490 | Atterbury, Thomas B., Pittsburg, Pa. Bottle-stopper fastener | Jan. 21, 1879 | 485 | 137 | 15 | 65 |
| 212, 421 | Atterbury, Thomas B., and W. Beck, Pittsburg, Pa. Machine for shaping and finishing glassware | Feb. 18, 1879 | 699 | 194 | 15 | 222 |
| 213, 605 | Same.....Machine for shaping and finishing glassware | Mar. 25, 1879 | 955 | 271 | 15 | 444 |
| 214, 273 | Atterbury, Thomas B., Pittsburg, Pa. Machine for shaping and fininishing glassware | Apr. 15, 1879 | 650 | 182 | 15 | 572 |
| 214, 274 | Atterbury, Thomas B., and W. Beck, Pittsburg, Pa. Glass-mold | Apr. 15, 1879 | 653 | 183 | 15 | 273 |
| 214, 345 | Atterbury, Thomas B., and W. Beck, Pittsburg, Pa. Machine for shaping and finishing open-ended glassware | Apr. 15, 1879 | 743 | 208 | 15 | 584 |
| 220, 954 | Atterbury, Thomas B., Pittsburg, Pa. Underground-telegraph line | Oct. 28, 1879 | 883 | 236 | 16 | 777 |
| 214, 982 | Atwater, Henry W., Newton, Mass. Attachment for waste-pipes | May 6, 1879 | 3 | 1 | 15 | 703 |
| 214, 983 | Same.....Outlet-pipe for sinks, &c | May 6, 1879 | 3 | 2 | 15 | 703 |
| 214, 984 | Same.....Trap for sewers, &c | May 6, 1879 | 4 | 2 | 15 | 703 |
| 214, 985 | Same.....Trap for waste-pipes from wash-basins, &c | May 6, 1879 | 5 | 2 | 15 | 703 |
| | Atwater Manufacturing Company *et al.* (*See* Miller, Robert R., assignor)..(Reissue.) | | | | | |
| 212, 168 | Atwater, Richard M., Millville, N. J., assignor to self and Whitehall, Tatum & Co., Philadelphia, Pa. Manufacture of glass and furnace therefor | Feb. 11, 1879 | 399 | 109 | 15 | 179 |
| 213, 606 | Atwater, Richard M., Millville, N. J., assignor to J. Whitall, R. P. Smith, J. Mickle, jr., C. Roberts, C. A. Tatum, and W. H. Nicholson, Philadelphia and New York. Marking bottles | Mar. 25, 1879 | 957 | 271 | 15 | 444 |
| 216, 369 | Atwell, Richard H., Baltimore, Md. Steam or water motor | June 10, 1879 | 415 | 119 | 15 | 944 |
| 221, 493 | Atwood, Ansen L., assignor to E. Ingraham & Co., Bristol, Conn. Lock-work for clocks | Nov. 11, 1879 | 416 | 113 | 16 | 878 |
| 211, 543 | Atwood, Benjamin S., South Abington, Mass. Sandpapering-machine | Jan. 21, 1879 | 545 | 154 | 15 | 72 |
| | Atwood, Eugene. (*See* Atwood, John E., assignor.) | | | | | |
| 221, 902 | Atwood, Henry R., Chelsea, Mass. Tail-pin for drays | Nov. 25, 1879 | 906 | 253 | 16 | 963 |
| 221, 658 | Atwood, James B., assigner of one-half interest to A. O. Sinclair, Springfield, Mass. Corset-busk | Nov. 18, 1879 | 603 | 169 | 16 | 913 |
| 221, 996 | Atwood, James E., Worcester, Mass. Malleable-iron castings | Nov. 25, 1879 | 1015 | ..... | 16 | 977 |
| 8, 539 | Atwood, John E., Stonington, Conn., assignor, by mesne assignments, to F. J. Rabbeth and Fales, Jenks & Sons, Pawtucket, R. I. Spindle for spinning-frames..(Reissue) | Jan. 14, 1879 | 444 | 125 | 15 | 57 |
| 221, 268 | Atwood, John E., assignor of one-half interest to E. Atwood, Stonington, Conn. Thread-guide for spooling-machines, &c | Nov. 4, 1879 | 142 | 39 | 16 | 832 |
| 219, 136 | Atwood, Lewis J., assignor to Plume & Atwood Manufacturing Company, Waterbury, Conn. Cigar-lamp | Sept. 2, 1879 | 89 | 27 | 16 | 424 |
| 220, 049 | Same.....Lamp | Sept. 30, 1879 | 1154 | 318 | 16 | 597 |
| 219, 670 | Atwood, Orlo, New London, Conn. Fliers for spinning-machines | Sept. 16, 1879 | 712 | 197 | 16 | 520 |
| 213, 374 | Aubel, Louis, Richmond, Va. Letter clip and file | Mar. 18, 1879 | 709 | 199 | 15 | 405 |
| 215, 426 | Aucutt, Rozell, Sand Spring, Iowa. Milk-cooler | May 20, 1879 | 529 | 157 | 15 | 783 |
| 220, 565 | Augspurger, John, and J. Neimeyer, Trenton, Ohio. Drag-saw | Oct. 14, 1879 | 414 | 108 | 16 | 699 |
| | Aultman & Co., C. (*See* Davis, Samuel L., assignor.) | | | | | |
| | Same.....(*See* Miller, Cassius M., assignor.) | | | | | |
| | Same.....(*See* Strang, Joseph, assignor.) | | | | | |
| | Aultman & Taylor Company. (*See* Allenas, Joseph, assignor.) | | | | | |
| | Same.....(*See* Muleck, Daniel, assignor) .....(Reissue.) | | | | | |
| 219, 198 | Austin, Charles E., Bath-on-the-Hudson, N. Y. Journal-cooling attachment for railway-cars | Sept. 2, 1879 | 153 | 46 | 16 | 432 |
| | Austin, Charles G. (*See* Harrison & Lewis, assignor.) | | | | | |
| 211, 684 | Austin, Edward D., Erie, Pa. Ice-creeper | Jan. 28, 1879 | 725 | 202 | 15 | 100 |
| | Austin, Elijah H. (*See* Hunt & Preston, assignors.) | | | | | |
| 214, 482 | Austin, Frank J., Farmington, Me. Ribben-block | Apr. 22, 1879 | 903 | 255 | 15 | 613 |
| | Austin, James B. (*See* Pulliam, Luther, assignor.) | | | | | |
| 216, 592 | Austin, John, Chicago, Ill. Plow | June 17, 1879 | 669 | 191 | 15 | 987 |
| 214, 078 | Austin, Lauren, Rockford, Mich. Clamp | Apr. 8, 1879 | 422 | 119 | 15 | 533 |
| 212, 830 | Austin, Leavitt B., Holyoke, Mass. Milk-cooler | Mar. 4, 1879 | 58 | 18 | 15 | 305 |
| | Austin, Lydia H. (*See* Richardson, Gibbs & Macy, assignors.) | | | | | |
| 214, 346 | Austin, Russell, Camden, N. J. Washing-machine | Apr. 15, 1879 | 747 | 208 | 15 | 584 |
| 218, 808 | Austin, Theodore P., Portland, Conn., assignor, by mesne assignments, to United States Stamping Company, New York, N. Y. Metallic sieve | Aug. 26, 1879 | 837 | 235 | 16 | 363 |
| 211, 313 | Averell, William W., New York, N. Y. Asphaltic pavement | Jan. 14, 1879 | 288 | ..... | 15 | 38 |
| | Avery, Cyrus M. (*See* Avery, Robert H., assignor.) | | | | | |
| | Avery, Daniel J., *et al.* (*See* Lundberg, Charles O., assignor.) | | | | | |
| | Avery, E. F., *et al.* (*See* Norton, George, assignor.) | | | | | |
| 217, 042 | Avery, Ezra W., assigner of one-half interest to M. S. Brown, Plymouth, N. H. Tanning deer-skins | July 1, 1879 | 128 | ..... | 16 | 19 |
| 219, 430 | Avery, Frank, Garden Prairie, Ill. Counter-stiffener for boots and shoes | Sept. 9, 1879 | 439 | 122 | 16 | 476 |
| 218, 417 | Avery, George C., Louisville, Ky. Plow-standard | Aug. 12, 1879 | 356 | 98 | 16 | 279 |
| 219, 340 | Same.....Scissors and shears | Sept. 9, 1879 | 336 | 95 | 16 | 463 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 212, 086 | Avery, Robert H., assignor of one-half interest to C. M. Avery, Galesburg, Ill. Corn-planter | Feb. 11, 1879 | 310 | 85 | 15 | 167 |
| 222, 854 | Same.....Reel for corn-planter check-row wires or cords | Dec. 23, 1879 | 870 | 251 | 16 | 1159 |
| 221, 207 | Avery, William G., Detroit, Mich. Elevator-bucket | Nov. 4, 1879 | 72 | 19 | 16 | 832 |
| 214, 608 | Ayres, Benjamin M., Stamford, Conn. Music-holder | Apr. 22, 1879 | 1053 | 296 | 15 | 631 |
| 216, 133 | Ayres, G. Ralston, assignor to self and W., J. C., W. M., and L. H. Ayres, Philadelphia, Pa. Fly-net for horses | June 3, 1879 | 132 | 39 | 15 | 902 |
| 214, 347 | Ayres, Jared A., Mystic River, Conn. Street-car | Apr. 15, 1879 | 748 | 209 | 15 | 584 |
| | Ayres, John C., *et al.* (*See* Ayres, G. Ralston, assignor.) | | | | | |
| | Ayres, Lewis H., *et al.* (*See* Ayres, G. Ralston, assignor.) | | | | | |
| | Ayres, William, *et al.* (*See* Ayres, G. Ralston, assignor.) | | | | | |
| | Ayres, W. Montgomery, *et al.* (*See* Ayres, G. Ralston, assignor.) | | | | | |
| 215, 552 | Baader, Johann G., Saint Vincent, Pa. Car-coupling | May 20, 1879 | 676 | 197 | 15 | 803 |
| 212, 169 | Babbitt, Benjamin T., New York, N. Y. Steam-condensing and feed-water heating apparatus | Feb. 11, 1879 | 401 | 109 | 15 | 179 |
| 219, 893 | Same.....Wind-motor | Sept. 23, 1879 | 960 | 266 | 16 | 563 |
| 219, 894 | Same.....same | Sept. 23, 1879 | 961 | 266 | 16 | 563 |
| 219, 895 | Same.....same | Sept. 23, 1879 | 962 | 266 | 16 | 563 |
| 219, 896 | Same.....Pneumatic propulsion of vessels | Sept. 23, 1879 | 963 | 266 | 16 | 563 |
| 219, 897 | Same.....Attachment for locomotive-engines | Sept. 23, 1879 | 965 | 267 | 16 | 564 |
| 220, 107 | Same.....Rotary blowing apparatus | Sept. 30, 1879 | 1221 | 336 | 16 | 607 |
| 220, 108 | Same.....Rotary pumping apparatus | Sept. 30, 1879 | 1222 | 336 | 16 | 607 |
| 220, 109 | Same.....Apparatus for breaking or grinding various substances | Sept. 30, 1879 | 1222 | 337 | 16 | 607 |
| 220, 110 | Same.....Steam-condensing and feed-water heating apparatus | Sept. 30, 1879 | 1223 | 337 | 16 | 608 |
| 215, 312 | Babbitt, Isaac N., jr., Fairhaven, Mass. Pruning implement | May 13, 1879 | 405 | 120 | 15 | 757 |
| 220, 050 | Babbitt, S. William, assignor to Wilcox Silver Plate Company, West Meriden, Conn. Ice-pitcher | Sept. 30, 1879 | 1155 | 318 | 16 | 597 |
| | Babcock, Adalbert A., *et al.* (*See* Hart, Alexander H., assignor.) | | | | | |
| | Babcock, B. F., *et al.* (*See* Harris, Elijah, assignor.) | | | | | |
| 221, 208 | Babcock, Charles H., West Cheshire, Conn. Die for making flap-axles | Nov. 4, 1879 | 73 | 19 | 16 | 822 |
| 214, 230 | Babcock, Charles P., Portland, Me. Machine for making can-heads | Apr. 15, 1879 | 597 | 169, 170 | 15 | 565 |
| | Babcock, George H., *et al.* (*See* Pratt, Nathaniel W., assignor.) | | | | | |
| | Babcock, Henry H. (*See* Graves & Babcock.) | | | | | |
| 214, 079 | Babcock, James, Decatur, Ill. Check-rower and dropper | Apr. 8, 1879 | 423 | 119 | 15 | 533 |
| 216, 640 | Bacheller, Charles L. and S. P., Canton, N. Y. Milk-cooler | June 17, 1879 | 716 | 205 | 15 | 994 |
| | Bacheller, Sanford P. (*See* Bacheller, Charles L. and S. P.) | | | | | |
| 219, 127 | Bacher, Ernest, and W. McKinnis, Findlay, Ohio. Device for tempering butter | Sept. 2, 1879 | 90 | 28 | 16 | 424 |
| | Bacher, Peter. (*See* Deming, Frank, assignor.) | | | | | |
| 218, 213 | Bacher, Peter, and F. Deming, Allegheny, Pa. Padlock | Aug. 5, 1879 | 123 | 33 | 16 | 237 |
| 221, 997 | Bachman, Mortimer H., and S. S. Peckinpaugh, Stanton, Mich. Photo-negative engraving | Nov. 25, 1879 | 1015 | ..... | 16 | 977 |
| 216, 495 | Bachman, Joseph, Stanford, Ill. Car-brake | June 17, 1879 | 562 | 161 | 15 | 973 |
| 212, 881 | Bachtenkirch, Wilhelm, Iserlohn, Westphalia, Prussia. Lifting-handle for chests or boxes | Mar. 4, 1879 | 128 | 36 | 15 | 313 |
| 221, 015 | Backes, Michael, Wallingford, Conn. Percussion-primer | Oct. 28, 1879 | 956 | 255 | 16 | 787 |
| 216, 817 | Backmire, George H., Philadelphia, Pa. Device for making cigarettes | June 24, 1879 | 931 | 266 | 15 | 1031 |
| 221, 016 | Same.....Egg-beater | Oct. 28, 1879 | 957 | 255 | 16 | 787 |
| | Backus, Evens. (*See* Eagan, Matthew J., assignor.) | | | | | |
| 221, 659 | Backus, Oscar J., San Francisco, Cal. Sirup-can | Nov. 18, 1879 | 604 | 169 | 16 | 913 |
| 216, 776 | Backus, Quimby S., New York, N. Y. Bit-stock wrench | June 24, 1879 | 887 | 252 | 15 | 1025 |
| 223, 022 | Bacon, Addison M., Pittsburg, Pa. Bottle-stoppering machine | Dec. 30, 1879 | 1065 | 304 | 16 | 1198 |
| 212, 422 | Bacon, Dennis C., Litchfield, Ill. Thill-coupling | Feb. 18, 1879 | 701 | 194 | 15 | 222 |
| 214, 545 | Bacon, Elmore C., Cleveland, Ohio. Lightning-rod coupling | Apr. 22, 1879 | 985 | 277 | 15 | 622 |
| 218, 468 | Bacon, George, White, Mich. Horseshoe | Aug. 12, 1879 | 427 | 119 | 16 | 288 |
| | Bacon, George W. (*See* Lockwood & Bacon.) | | | | | |
| 213, 087 | Bacon, Henry, Charleston, Me. Manufacture of artificial stone | Mar. 11, 1879 | 386 | ..... | 15 | 354 |
| | Bader, Benjamin F. (*See* Bader, William and B. F.) | | | | | |
| 216, 012 | Bader, Henry, Saint Martinsville, La. Breech-loading fire-arm | June 3, 1879 | 1 | 1 | 15 | 885 |
| 221, 269 | Bader, William and B. F., Baders, Ill. Hay-loader | Nov. 4, 1879 | 143 | 39 | 16 | 832 |
| | Badger, Franklin O. (*See* Calkins & Badger.) | | | | | |
| 219, 898 | Badger, George A., Quincy, Mass. Car-heater | Sept. 23, 1879 | 965 | 267 | 16 | 564 |
| 213, 375 | Badger, John, and H. P. Benjamin, Belvidere, Ill. Valve for bellows | Mar. 18, 1879 | 709 | 199 | 15 | 405 |
| 8, 780 | Same.....same.....(Reissue) | July 1, 1879 | 297 | 88 | 16 | 41 |
| 212, 121 | Badger, Sprague M., Whitney's Point, N. Y. Life-raft | Feb. 11, 1879 | 349 | 95 | 15 | 172 |
| 222, 436 | Badger, William E., Quincy, Mass. Railway-signal | Dec. 9, 1879 | 362 | 103 | 16 | 1068 |
| 214, 546 | Badgley, Henry, Fairfax Court-House, Va. Aerial machine | Apr. 22, 1879 | 986 | 277 | 15 | 622 |
| | Badische Anilin and Soda Fabrik. (*See* Griess, John P., assignor.) | | | | | |
| 213, 803 | Baer, Henry, Fond du Lac, Wis. Spring bed-bottom | Apr. 1, 1879 | 78 | 25 | 15 | 483 |
| 218, 418 | Baermann, Palmer H., West Troy, N. Y., assignor of one-half interest to F. E. Kernochan, Pittsfield, Mass. Hydrant | Aug. 12, 1879 | 357 | 98, 99 | 16 | 279 |
| | Bagby, Richard. (*See* Goodwyn, George W., assignor.) | | | | | |
| | Bagger, Louis. (*See* Henriksen, Hans P., assignor.) | | | | | |
| 211, 370 | Bagley, Henry, Mechanicsville, Iowa. Corn-planter | Jan. 14, 1879 | 350 | 102 | 15 | 45 |
| 221, 270 | Bagley, Moses F., Mount Vernon, Ill. Grain-car door | Nov. 4, 1879 | 144 | 39 | 16 | 833 |
| 218, 915 | Baglin, Amelia, Brooklyn, N. Y. Hat and other head-covering | Aug. 26, 1879 | 964 | 271 | 16 | 380 |
| 8, 972 | Same.....same.....(Reissue) | Nov. 18, 1879 | 897 | 250 | 16 | 953 |
| 217, 043 | Bagwell, Pleasant A., Oakland, Ky. Colter-fastener | July 1, 1879 | 129 | 38 | 16 | 19 |
| | Bahntge, George G. (*See* Mortimer, Furmin F., assignor.) | | | | | |
| | Same.....(*See* Roumillat, Ulysses C., assignor.) | | | | | |
| | Bailey, Andrew J., trustee. (*See* Cottle, Freeman N., assignor.) | | | | | |
| 221, 998 | Bailey, Charles A., Cobalt, Conn. Toy money-box | Nov. 25, 1879 | 1016 | 284 | 16 | 977 |
| 222, 648 | Bailey, Charles A., Cobalt, assignor to H. H. Abbe, E. G. Cone, E. C. Barton, and A. H. Conklin, East Hampton, Conn. Toy | Dec. 16, 1879 | 635 | 181 | 16 | 1115 |
| 218, 419 | Bailey, Dexter S., Dover, Me. Carriage-spring | Aug. 12, 1879 | 360 | 99 | 16 | 280 |
| 215, 259 | Bailey, Franklin L., Boston, Mass. Engraving-machine | May 13, 1879 | 334 | 98, 99 | 15 | 748 |
| 214, 275 | Bailey, Frederick J., Syracuse, N. Y. Advertising device | Apr. 15, 1879 | 655 | 183 | 15 | 573 |
| 220, 743 | Bailey, Gilbert L., Portland, Me. Implement for capping and uncapping cartridges | Oct. 21, 1879 | 622 | 166 | 16 | 734 |
| 8, 804 | Bailey, Hamilton, Harrisburg, Pa. Dumping-wagon.....(Reissue) | July 15, 1879 | 843 | 240 | 16 | 132 |
| 213, 540 | Bailey, James M., Pittsburg, Pa. Ore-washer | Mar. 25, 1879 | 886 | 253 | 15 | 436 |
| | Bailey, John. (*See* Barrett & Bailey.) | | | | | |
| 211, 371 | Bailey, Joseph R., Woonsocket, R. I. Hatchet | Jan. 14, 1879 | 351 | 102 | 15 | 45 |
| 211, 491 | Bailey, Josiah H., Wilmington, Ohio. Fence | Jan. 21, 1879 | 486 | 137 | 15 | 65 |
| 221, 017 | Bailey, Michael B., Chicago, Ill. Paving composition | Oct. 28, 1879 | 958 | ..... | 16 | 787 |
| 221, 271 | Bailey, Selden A., Woonsocket, R. I. Clothes-wringer | Nov. 4, 1879 | 144 | 40 | 16 | 833 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 211, 646 | Bailey, Stephen, Lebanon, Ill. Cultivator | Jan. 28, 1879 | 683 | 192 | 15 | 94 |
| | Bailey, Walter M. (*See* Johnson & Bailey.) | | | | | |
| 218, 154 | Bailis, William, assignor of one-half interest to H. M. Browne, Princeton, N. J. Ladder-scaffold support | Aug. 5, 1879 | 56 | 15 | 16 | 228 |
| 212, 882 | Baillot, Barbezat, Lócle, Switzerland. Calendar-watch | Mar. 4, 1879 | 128 | 37 | 15 | 313 |
| 212, 784 | Baily, George D., assignor of one-half interest to J. Cochran, Spiceland, Ind. Fence-post | Mar. 4, 1879 | 6 | 2 | 15 | 297 |
| 218, 469 | Bainbridge, Henry C., Brooklyn, N. Y. Tag | Aug. 12, 1879 | 427 | 119 | 16 | 288 |
| 212, 831 | Bair, John H., Parker City, assignor of one-half interest to O. D. Levis, Pittsburg, Pa. Sucker-rod socket for oil and other wells | Mar. 4, 1879 | 59 | 18 | 15 | 305 |
| 211, 314 | Baird, Edward A., and A. T. Gale, Piqua, Ohio. Cultivator | Jan. 14, 1879 | 290 | 86 | 15 | 38 |
| 216, 818 | Baird, James O., assignor to self and J. Boyce, Brooklyn, N. Y. Balance steam-engine | June 24, 1879 | 932 | 266 | 15 | 1031 |
| 8, 930 | Baird, James R., Cincinnati, Ohio. Wheel for vehicles (Reissue) | Oct. 14, 1879 | 558 | 147 | 16 | 718 |
| | Baird, John. (*See* Johnson, Thomas, assignor.) | | | | | |
| 215, 427 | Baird, John, and A. Stirling, New York, N. Y. Exhaust mechanism for locomotives | May 20, 1879 | 530 | 157 | 15 | 783 |
| 220, 783 | Baird, Maurice E., and J. W. Macy, Troy, Ohio. Perforating-pen | Oct. 21, 1879 | 676 | 179 | 16 | 740 |
| | Baird, M. E., *et al.* (*See* Macy, J. Warren, assignor.) | | | | | |
| 216, 302 | Baker, Abner S., assignor of one-half interest to H. M. Brown, Kalamazoo, Mich. Spring-tooth harrow | June 10, 1879 | 334 | 98 | 15 | 934 |
| | Baker, Andrew E. (*See* Fagan, Thomas B., assignor.) | | | | | |
| | Baker, Charles E., *et al.* (*See* Bramble, Cyrus, assignor.) | | | | | |
| | Baker, Charles H. (*See* Reynolds, John B., assignor.) | | | | | |
| 211, 880 | Baker, Clarence W., Janesville, Wis. Book-tablet | Feb. 4, 1879 | 66 | 20 | 15 | 134 |
| 221, 272 | Baker, De Witt C., Buffalo, N. Y. Moisture and pressure pad for horses' hoofs | Nov. 4, 1879 | 146 | 40 | 16 | 833 |
| 217, 673 | Baker, George C., Des Moines, Iowa. Machine for barbing fence-wire | July 22, 1879 | 862 | 246 | 16 | 143 |
| | Baker, George O. (*See* Perkins & Baker.) | | | | | |
| 213, 313 | Baker, George W., Cochranton, Pa. Grain-separator | Mar. 18, 1879 | 647 | 182 | 15 | 396 |
| 216, 994 | Baker, George W., Cleveland, Ohio. Take-up device for sewing-machines | July 1, 1879 | 72 | 22 | 16 | 11 |
| 220, 955 | Same.....Safety-clutch | Oct. 28, 1879 | 885 | 236 | 16 | 777 |
| | Baker & Hamilton. (*See* Laufenburg, Michael N., assignor.) | | | | | |
| 220, 744 | Baker, Henry O., and H. Van Gelder, New York, N. Y. Hat-sweat | Oct. 21, 1879 | 623 | 167 | 16 | 734 |
| 218, 470 | Baker, Hugh C., Hamilton, Ontario, Canada. Recording-device for pocket-books | Aug. 12, 1879 | 428 | 119 | 16 | 288 |
| 213, 731 | Baker, Jackson R., Jersey City, N. J., assignor of two-thirds interest to J. L. Kennedy and E. Lord, New York, N. Y. Car-axle box | Apr. 1, 1879 | 3 | 2 | 15 | 473 |
| 219, 138 | Baker, James R., assignor of one-half interest to D. C. Wilson, Kendallville, Ind. Eave-trough hanger | Sept. 2, 1879 | 91 | 28 | 16 | 424 |
| 222, 227 | Baker, James T., Raleigh, Ill. Shaft-prop for buggies | Dec. 2, 1879 | 127 | 32 | 16 | 1026 |
| | Baker, John C. (*See* Lafferty & Brown, assignors.) | | | | | |
| | Baker, John F. (*See* Bement, Ernest M., assignor.) | | | | | |
| | Baker, John F., *et al.* (*See* Kenworthy & Clark, assignors.) | | | | | |
| 211, 952 | Baker, John G., Philadelphia, Pa., assignor to Enterprise Manufacturing Company of Pennsylvania. Machine for sawing out segments of wood | Feb. 4, 1879 | 151 | 43 | 15 | 145 |
| 213, 607 | Same.....Machine for rounding the inner and outer edges of wooden rings | Mar. 25, 1879 | 957 | 272 | 15 | 445 |
| 220, 111 | Same.....Grinding-mill | Sept. 30, 1879 | 1224 | 337 | 16 | 608 |
| 220, 112 | Same.....Tincture-press | Sept. 30, 1879 | 1226 | 338 | 16 | 608 |
| 220, 566 | Baker, Joseph, Lebanon, Ohio. Wire-cutter | Oct. 14, 1879 | 415 | 108 | 16 | 690 |
| | Baker, Joseph L. (*See* Bultz & Baker.) | | | | | |
| | Baker, Josephus W. (*See* Carlton & Baker.) | | | | | |
| 218, 697 | Baker, Lewis H., Fairfield, Ill. Combined sliding box and valve | Aug. 19, 1879 | 688 | 195 | 16 | 333 |
| 211, 453 | Baker, Nelson, Coldwater, Mich., and A. Sowle, Fremont, Ind. Car-coupling | Jan. 21, 1879 | 449 | 127 | 15 | 61 |
| 218, 420 | Baker, Orrin S., San Francisco, Cal. Bed-clothing | Aug. 12, 1879 | 361 | 99 | 16 | 280 |
| 219, 431 | Baker, Owen T., Wamego, Kans. Brake for wagons | Sept. 9, 1879 | 439 | 122 | 16 | 476 |
| 220, 331 | Baker, Paschal T., Carrollton, Ky. Stave-sawing machine | Oct. 7, 1879 | 135 | 37 | 16 | 653 |
| 214, 080 | Baker, Peter H., San Francisco, Cal. Latch | Apr. 8, 1879 | 424 | 119 | 15 | 533 |
| 216, 717 | Baker, Sophia H., Wilmington, Ill. Food-steamer | June 24, 1879 | 817 | 233 | 15 | 1017 |
| 222, 437 | Baker, Uriah, Elwood, N. Y. Roofing compound | Dec. 9, 1879 | 363 | ..... | 16 | 1068 |
| 221, 716 | Baker, William B., Lima, N. Y. Vehicle-spring | Nov. 18, 1879 | 670 | 187 | 16 | 922 |
| 214, 348 | Baker, William C., jr., New York, N. Y. Manufacture of artificial marble and stone | Apr. 15, 1879 | 749 | ..... | 15 | 585 |
| 8, 702 | Baker, William R., Chicago, Ill., and C. B. Withington, Janesville, Wis., assignors to C. H. and L. J. McCormick, Chicago, Ill. Grain-binder (Reissue) | May 6, 1879 | 261 | 76 | 15 | 736 |
| 215, 553 | Baker, William R., assignor to C. H. and L. J. McCormick, Chicago, Ill. Grain-binder | May 20, 1879 | 677 | 197<br>198 | 15 | 803 |
| 212, 087 | Baker, William S. G., and W. Hyson, assignors to Baltimore Car Wheel Company, Baltimore, Md. Car-wheel mold | Feb. 11, 1879 | 311 | 85 | 15 | 167 |
| 215, 202 | Baker, William S. G., Baltimore County, Md. Car-wheel | May 13, 1879 | 270 | 79 | 15 | 739 |
| 214, 746 | Same.....Runner or head-gate for molds | Apr. 29, 1879 | 1213 | 341 | 15 | 659 |
| 214, 747 | Same.....Car-wheel mold | Apr. 29, 1879 | 1213 | 341 | 15 | 659 |
| | Baker, Wilson M. (*See* Wilson & Baker.) | | | | | |
| 223, 023 | Bakewell, Thomas, Allegheny, Pa. Flying target | Dec. 30, 1879 | 1066 | 304 | 16 | 1198 |
| | Bald, John M. (*See* Michales & Bald.) | | | | | |
| | Baldwin, A. B. (*See* Megill, Sebring C., assignor.) | | | | | |
| 212, 423 | Baldwin, Anna C., Newark, N. J. Cow-milker | Feb. 18, 1879 | 701 | 194 | 15 | 222 |
| | Baldwin & Co., Joseph. (*See* Whitman, Royal E., assignor.) | | | | | |
| 8, 963 | Baldwin, Cyrus W., assignor to E. L. Sturtevant, South Framingham, Mass. Magazine fire-arm (Reissue) | Nov. 11, 1879 | 596 | 166 | 16 | 904 |
| 216, 013 | Baldwin, Cyrus W., New York, N. Y., assignor to Hydraulic Elevator Company, Chicago, Ill. Elevator | June 3, 1879 | 2 | 1 | 15 | 885 |
| 220, 784 | Same.....Packing for pistons | Oct. 21, 1879 | 677 | 179 | 16 | 740 |
| 216, 303 | Baldwin, Daniel P., San Francisco, Cal. Lubricator | June 10, 1879 | 334 | 98 | 15 | 934 |
| | Baldwin, Enoch. (*See* Quinby & Baldwin.) | | | | | |
| | Baldwin, Enos, *et al.* (*See* Jackson, Edgar B., assignor.) | | | | | |
| 211, 686 | Baldwin, Frank S., assignor of one-fourth interest to A. S. Everett, Saint Louis, Mo. Piston water-meter | Jan. 28, 1879 | 727 | 203 | 15 | 100 |
| 216, 995 | Baldwin, Harris J., North Hudson, Wis. Copying-press | July 1, 1879 | 72 | 22 | 16 | 12 |
| 211, 685 | Baldwin, Herman, New Haven, Conn. Fly-wheel | Jan. 28, 1879 | 726 | 202 | 15 | 100 |
| 8, 944 | Baldwin, Joel M., Evans' Mills, N. Y., assignor to O. J. Baldwin. Snow-plow. (Reissue) | Oct. 21, 1879 | 815 | 218 | 16 | 760 |
| 215, 860 | Baldwin, Joel M., Evans' Mills, assignor to O. J. Baldwin, Leray, N. Y. Snow-plow | May 27, 1879 | 1029 | 300 | 15 | 857 |
| 211, 687 | Baldwin, Myron T., Chicago, Ill. Heating drum, stove, and furnace | Jan. 28, 1879 | 729 | 203 | 15 | 100 |
| | Baldwin, Orpha J. (*See* Baldwin, Joel M., assignor.) | | | | | |
| | Same.....same (Reissue.) | | | | | |
| 218, 851 | Baldwin, Ruel S., Sparta, Wis. Spring bed-bottom | Aug. 26, 1879 | 893 | 250 | 16 | 370 |
| 211, 315 | Baldwin, Russel P., Shenandoah, Iowa. Weather-strip | Jan. 14, 1879 | 291 | 86 | 15 | 38 |
| | Baldwin, Stephen H. (*See* Osborne & Baldwin.) | | | | | |
| 222, 438 | Baldwin, Thomas J., Pacific, Mo. Combined washing and wringing machine | Dec. 9, 1879 | 564 | 103 | 16 | 1068 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 213,161 | Baldwin, William, Tioga, Pa. Liquid-measuring tank | Mar. 11,1879 | 475 | 131 | 15 | 365 |
| 217,317 | Bales, Thomas M., Dublin, Ind. Fanning-mill | July 8,1879 | 436 | 128 | 16 | 68 |
| 211,829 | Ball, Albert, assignor to Sullivan Machine Company, Claremont, N. H. Turbine water-wheel | Feb. 4,1879 | 2 | 1 | 15 | 127 |
| 212,424 | Same.....Machine for winding tubes and rods with wire | Feb. 18,1879 | 702 | 194 | 15 | 222 |
| 212,425 | Same.....Machine for making metal tubes | Feb. 18,1879 | 704 | 195 | 15 | 222 |
| 218,471 | Ball, Albert, Claremont, N. H. Cop-tube | Aug. 12,1879 | 429 | 119 | 16 | 289 |
| | Ball, Charles. (*See* Claude & Ball.) | | | | | |
| 212,644 | Ball, Charles E., Philadelphia, Pa. Process and apparatus for amalgamating ores | Feb. 25,1879 | 976 | 271 | 15 | 267 |
| 214,349 | Ball, Charles P., Danville, Ky., assignor of one-half interest to W. H. Whiton, New York, N. Y. Vaporizer | Apr. 15,1879 | 750 | 209 | 15 | 585 |
| 219,432 | Ball, Charles W., Macon, Ill. Vehicle-axle | Sept. 9,1879 | 440 | 122 | 16 | 476 |
| 220,332 | Same.....same | Oct. 7,1879 | 136 | 37 | 16 | 653 |
| 215,713 | Ball, Edward M., Stanstead, Quebec, Canada. Fire-escape | May 27,1879 | 860 | 252 | 15 | 835 |
| 221,273 | Ball, Hiram W., assignor to J. Kilbourne, Columbus, Ohio. Road-scraper | Nov. 4,1879 | 147 | 40 | 16 | 833 |
| | Ball, Oscar W. (*See* Andrews & Ball.) | | | | | |
| 214,081 | Ball, Robert R., West Meriden, Conn. Gas-regulator | Apr. 8,1879 | 425 | 120 | 15 | 533 |
| 214,986 | Ball, Warren J., Canton, Ohio. Plow-beam | May 6,1879 | 6 | 3 | 15 | 703 |
| 216,077 | Same.....Machine for bending plow-beams | June 3,1879 | 78 | 22 | 15 | 894 |
| 220,745 | Ball, William H., Brooklyn, N. Y. Preparation of pepsin | Oct. 21,1879 | 623 | ..... | 16 | 734 |
| 215,083 | Ballard, Addison, Chicago, Ill. Fire-telegraph box | May 6,1879 | 110 | 33,34 | 15 | 716 |
| | Ballard, Hattie W. (*See* Ballard, Martin L., assignor.) | | | | | |
| 221,018 | Ballard, Martin L., assignor to H. W. Ballard, Canton, Ohio. Furnace | Oct. 28,1879 | 959 | 255 | 16 | 787 |
| | Ballard, Thomas G. (*See* Sterling, Daniel G., assignor.) | | | | | |
| | Ballou, Charles T., *et al.* (*See* Norton, Arthur R., assignor.) | | | | | |
| 217,572 | Ballou, Elmer D., Becket, Mass. Basket | July 15,1879 | 729 | 208 | 16 | 117 |
| 212,832 | Ballou, Francis D., Marlborough, Mass. Buckle-clasp | Mar. 4,1879 | 60 | 18 | 15 | 305 |
| 221,660 | Ballou, Francis D., Marlborough, assignor to M. A. C. Holmes, Boston, Mass. Machine for channeling the soles of boots and shoes | Nov. 18,1879 | 604 | 170 | 16 | 913 |
| 212,883 | Balmore, John, New York, N. Y. Coal-scoop | Mar. 4,1879 | 129 | 37 | 15 | 313 |
| | Baltimore Car Wheel Company. (*See* Baker & Hyson, assignors.) | | | | | |
| | Baltz, Charles E. (*See* Mulford, D. Gardiner, assignor.) | | | | | |
| 212,884 | Baltz, Henry W., sr., Philadelphia, Pa. Velocipede | Mar. 4,1879 | 130 | 37 | 15 | 313 |
| | Baltzell, Charles. (*See* Millner, Isaac B., assignor.) | | | | | |
| 219,612 | Bambridge, William, Oshawa, Ontario, Canada. Vehicle-spring | Sept. 16,1879 | 636 | 177 | 16 | 510 |
| 217,842 | Bancroft, Gideon K., assignor of one-half interest to J. Steward and J. S. Stevens, Philadelphia, Pa. Device for operating hatchway-doors | July 22,1879 | 1042 | 298 | 16 | 167 |
| | Bancroft, James. (*See* Thomas, Eddy T., assignor.) | | | | | |
| 216,496 | Bancroft, James, Athens, Ga. Hand-motor for sewing-machines | June 17,1879 | 563 | 161 | 15 | 973 |
| | Bancroft, Samuel P., *et al.* (*See* Newhall, John F., assignor.) | | | | | |
| 213,608 | Bancroft, William, assignor to Hopedale Machine Company, Hopedale, Mass. Drop-wire for warping-machines | Mar. 25,1879 | 959 | 272 | 15 | 445 |
| | Bandelow, Gustav. (*See* Dieterle, Henry E., assignor.) | | | | | |
| 8,931 | Bane, Seth T., Detroit, Mich. Toe-weight for horseshoes .....(Reissue) | Oct. 14,1879 | 559 | 147 | 16 | 718 |
| 211,830 | Banes, Reuben, Clarke County, Ohio. Liniment | Feb. 4,1879 | 3 | ..... | 15 | 127 |
| 217,721 | Banfield, Julia D., Boston, Mass. Corset | July 22,1879 | 913 | 261 | 16 | 150 |
| | Bange, George W. (*See* Forney & Bange.) | | | | | |
| 219,899 | Bangs, Eli T., and M. L. Dolbey, Fayetteville, N. Y. Jetty | Sept. 23,1879 | 966 | 267 | 16 | 564 |
| 214,082 | Bangs, George H., New York, N. Y. Electric motor | Apr. 8,1879 | 426 | 120 | 15 | 533 |
| 218,215 | Banister, George H., Newark, N. J. Watch-case spring | Aug. 5,1879 | 124 | 34 | 16 | 237 |
| 213,376 | Banister, Henry, and C. H. Lovrien, Erie, Pa. Pipe-tongs | Mar. 18,1879 | 710 | 199 | 15 | 405 |
| 216,014 | Banister, Henry, Erie, Pa. Pipe-tongs | June 3,1879 | 4 | 1 | 15 | 885 |
| 222,228 | Banister, Robert B., Providence, R. I. Button or stud | Dec. 2,1879 | 128 | 32 | 16 | 1026 |
| 219,433 | Banker, Charles S., assignor of one-half interest to G. B. Stothoff, Burdette, N. Y. Grain-binder | Sept. 9,1879 | 441 | 122, 123 | 16 | 476 |
| 214,017 | Banker, George W., Brooklyn, N. Y. Can for oil | Apr. 8,1879 | 329 | 94 | 15 | 523 |
| 216,497 | Same.....Case for cans | June 17,1879 | 563 | 161 | 15 | 973 |
| 8,903 | Same.....Can for oil .....(Reissue) | Sept. 23,1879 | 1095 | 303 | 16 | 582 |
| 218,214 | Banks, Edmund R., Cynthiana, Ky. Coffee-pot | Aug. 5,1879 | 124 | 33 | 16 | 237 |
| 218,472 | Banner, Pincus, San Francisco, Cal. Overalls | Aug. 12,1879 | 430 | 120 | 16 | 289 |
| | Baunihr, Caesar R. (*See* Wolferts, Carl O., assignor.) | | | | | |
| 213,491 | Banta, George C., Kansas City, Mo. Grain-door | Mar. 25,1879 | 829 | 235 | 15 | 429 |
| | Banta, Jacob J. (*See* Banta, James H., assignor.) | | | | | |
| 213,609 | Banta, James H., Sparkill, assignor to J. J. Banta, New York, N. Y. Sash-lock | Mar. 25,1879 | 960 | 272 | 15 | 445 |
| | Barber, Amaziah D., jr., *et al.* (*See* Palmer, Augustus H., assignor.) | | | | | |
| | Barber, D. D., *et al.* (*See* Wells, Isaac, assignor.) | | | | | |
| 212,533 | Barber, George, Cleveland, Ohio. Paper-hanger | Feb. 25,1879 | 859 | 237 | 15 | 251 |
| 217,850 | Barber, Isaac O., assignor of one-half interest to G. Driscoll, Springfield, Ohio. Saw-set | July 29,1879 | 1062 | 305 | 16 | 177 |
| 217,765 | Barber, Ohio C., Akron, Ohio. Shipping-package for matches | July 22,1879 | 955 | 274 | 16 | 156 |
| 211,688 | Barber, William, Philadelphia, Pa. Eyeglass-frame | Jan. 28,1879 | 731 | 203 | 15 | 100 |
| 214,351 | Barclay, John, Providence, R. I. Bracelet-hinge joint | Apr. 15,1879 | 752 | 210 | 15 | 585 |
| 223,092 | Barclay, Peter, assignor to self and W. H. Clegg, East Boston, Mass. Lubricator for steam-engines | Dec. 30,1879 | 1150 | 324 | 16 | 1208 |
| | Barclay, Samuel J., *et al.* (*See* Hough, John T., assignor.) | | | | | |
| 211,125 | Barclay, William P., Virginia City, Nev. Hydraulic and wire-rope pumping system | Jan. 7,1879 | 54 | 17 | 15 | 7 |
| 221,903 | Barclay, William P., San Francisco, Cal. Atmospheric pumping system | Nov. 25,1879 | 906 | 253, 254 | 16 | 963 |
| 221,904 | Bard, Jonathan S., New York, N. Y. Fountain-pen | Nov. 25,1879 | 908 | 254 | 16 | 963 |
| 213,088 | Bard, S. Weidler, Middletown, Pa. Seed-drill | Mar. 11,1879 | 387 | 108 | 15 | 354 |
| 211,647 | Bardon, Prosper, Galveston, Tex. Water-tank | Jan. 28,1879 | 685 | 192 | 15 | 94 |
| 220,113 | Bardsley, James, and J. G. Clifford, Paris, Ill. Smoke-consuming attachment for steam-boilers | Sept. 30,1879 | 1228 | 338 | 16 | 608 |
| 217,766 | Bargion, Peter, Black Diamond, Cal. Combined rail and telegraph-conductor | July 22,1879 | 955 | 275 | 16 | 156 |
| 8,781 | Barker, Abel, Wyoming, Pa., assignor to E. M. Lang. Soldering device ...(Reissue) | July 1,1879 | 298 | 88 | 16 | 41 |
| 219,900 | Barker, Benjamin F., Curtisville, Mass. Machine for making plane-stocks | Sept. 23,1879 | 967 | 268 | 16 | 564 |
| 216,134 | Barker, David, Pittsburg, Pa. Glass-mold | June 3,1879 | 132 | 39 | 15 | 902 |
| 221,019 | Barker, George E., assignor of one-half interest to W. S. Thatcher, Waverly, N. Y. Chimney-top and ventilator | Oct. 29,1879 | 961 | 256 | 16 | 787 |
| 211,126 | Barker, John, Whittenton (Taunton Post Office), Mass. Shuttle-box motion for looms. | Jan. 7,1879 | 55 | 17, 18 | 15 | 7 |
| 221,385 | Barker, John F., Springfield, Mass. Air-forcing apparatus | Nov. 11,1879 | 290 | 79 | 16 | 861 |
| 215,501 | Barker, Robert F., assignor to H. L. Cortelyon, New York, N. Y. Carding-engine | May 20,1879 | 620 | 181 | 15 | 795 |
| | Barker, Sarah A., *et al.* (*See* Williams, Jeptha, assignor.) | | | | | |
| | Barker, Wesley E., *et al.* (*See* Williams, Jeptha, assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216, 820 | Barker, William B., Hoboken, N. J., assignor to self and D. Forshay, New York, N. Y. Fog-signal | June 24, 1879 | 934 | 266, 267 | 15 | 1031 |
| | Barkham, Edmund. (*See* Scharnweber & Barkham) (Reissue.) | | | | | |
| 222, 808 | Barkley, John L., assignor of one-half interest to J. E. Cantrill, Georgetown, Ky. Harness-loop press | Dec. 23, 1879 | 814 | 233 | 16 | 1151 |
| 217, 973 | Barlow, Elisha T., assignor to S. Barlow and H. M. Hitchcock, San Francisco, and F. W. Tompkins, Oakland, Cal. Vehicle-spring | July 29, 1879 | 1195 | 343 | 16 | 194 |
| 212, 427 | Barlow, Harvey, Crooked Hill, Pa. Hay-elevator | Feb. 18, 1879 | 709 | 196 | 15 | 223 |
| 212, 088 | Barlow, Joseph C., Quincy, Ill. Seed-planter | Feb. 11, 1879 | 322 | 85 | 15 | 167 |
| 220, 268 | Same ... same | Oct. 7, 1879 | 63 | 17 | 16 | 643 |
| | Barlow, Susan, *et al.* (*See* Barlow, Elisha T., assignor.) | | | | | |
| 216, 548 | Barna, Thomas M., Tarborough, N. C. Cotton-planter | June 17, 1879 | 616 | 175 | 15 | 980 |
| 218, 216 | Barnard, George W., Economy, Ind. Grain-meter | Aug. 5, 1879 | 125 | 34 | 16 | 237 |
| 212, 170 | Barnard, Henry H., assignor of two-thirds interest to H. A. Strong and H. S. Miller, Rochester, N. Y. Shot-cartridge | Feb. 11, 1879 | 402 | 109 | 15 | 179 |
| 217, 045 | Barnard, Henry H., assignor of one-half interest to H. S. Miller, Rochester, N. Y. Machine for forming cartridge-cases | July 1, 1879 | 130 | 38, 39 | 16 | 19 |
| 220, 788 | Barnard, Henry H., and G. V. Hanna, assignors to H. E. Shaffer, Rochester, N. Y. Lamp | Oct. 21, 1879 | 682 | 180, 181 | 16 | 741 |
| 223, 094 | Barnard, Joseph P., Saint Louis, Mo. Dog for saw-mill head-blocks | Dec. 30, 1879 | 1151 | 325 | 16 | 1208 |
| 213, 611 | Barnard, Richard H., Hyde Park, Ill. Door-holder | Mar. 25, 1879 | 962 | 273 | 15 | 445 |
| 216, 135 | Barnekov, Kiel V., Newburg, N. Y. Piano | June 3, 1879 | 134 | 40 | 15 | 902 |
| 212, 346 | Barnes, Charles, Dayton, Ky. Extinguishing fires in buildings | Feb. 18, 1879 | 612 | 172 | 15 | 210 |
| 216, 821 | Same ... Apparatus for extinguishing fires | June 24, 1879 | 939 | 267 | 15 | 1032 |
| 223, 095 | Barnes, Charles E., Boston, Mass. Car-axle | Dec. 30, 1879 | 1153 | 325 | 16 | 1209 |
| 213, 610 | Barnes, Charles H., Poughkeepsie, N. Y. Nursery-chair | Mar. 25, 1879 | 961 | 273 | 15 | 445 |
| | Barnes, Charles J. (*See* Thorp, Thomas J., assignor.) | | | | | |
| 219, 139 | Barnes, Elbridge F., Fair Haven, Conn. Sawing-machine | Sept. 2, 1879 | 91 | 28 | 16 | 424 |
| 221, 494 | Barnes, Emory, Mount Pleasant, Mich. Lifting-pump | Nov. 11, 1879 | 418 | 114 | 16 | 878 |
| 222, 000 | Barnes, George A., Fair Haven, Conn. Cartridge-capping implement | Nov. 25, 1879 | 1017 | 285 | 16 | 978 |
| 219, 379 | Barnes, Henry D., New Haven, Conn. Screw-plate | Sept. 9, 1879 | 380 | 106 | 16 | 468 |
| 213, 804 | Barnes, Howard C., Boston, Mass. Chin-rest for violins | Apr. 1, 1879 | 79 | 25 | 15 | 483 |
| 218, 852 | Barnes, John C., Plymouth, Mass. Folding-table | Aug. 26, 1879 | 895 | 250 | 16 | 370 |
| 221, 386 | Barnes, John L., Warsaw, Ind. Cider-mill | Nov. 11, 1879 | 292 | 79 | 16 | 861 |
| 217, 851 | Barnes, Joshua B., Fort Wayne, Ind. Steam-whistle | July 29, 1879 | 1063 | 305 | 16 | 177 |
| 221, 999 | Barnes, Josiah, Topeka, Kans. Bee-hive | Nov. 25, 1879 | 1017 | 285 | 16 | 977 |
| 221, 495 | Barnes, Loring W., Attleborough, Mass. Button | Nov. 11, 1879 | 419 | 114 | 16 | 878 |
| 217, 441 | Barnes, Oliver W., Fishkill, N. Y. Elevated railway | July 15, 1879 | 589 | 169 | 16 | 99 |
| 217, 974 | Barnes, William W., New York, N. Y., assignor to C. M. Crandall & Co., Montrose, Pa. Toy | July 29, 1879 | 1196 | 343 | 16 | 194 |
| 217, 975 | Same ... same | July 29, 1879 | 1197 | 343 | 16 | 195 |
| 8, 608 | Barnes, Wilson, Maquoketa, Iowa. Corn-stalk cutter (Reissue) | Mar. 4, 1879 | 303 | 85 | 15 | 336 |
| 211, 210 | Barnett, John W., Big Spring, Va., assignor of one-half interest to W. St. John, Harrodsburg, Ky. Curing leaf-tobacco | Jan. 7, 1879 | 143 | ..... | 15 | 20 |
| 212, 785 | Barney, David C. M., Hebron, Ind. Manufacture of brooms | Mar. 4, 1879 | 7 | 2 | 15 | 297 |
| | Barney, Everett H. (*See* Potter, George E., assignor.) | | | | | |
| 214, 231 | Barney, Everett H., Springfield, Mass. Ankle-support for skate | Apr. 15, 1879 | 599 | 170 | 15 | 565 |
| 217, 318 | Barney, Frank P., Norton, Mass. Button and stud | July 8, 1879 | 437 | 129 | 16 | 68 |
| 222, 441 | Same ... Separable button or stud | Dec. 9, 1879 | 367 | 104 | 16 | 1069 |
| 214, 232 | Barney, George M., Springfield, Mass. Machine for affixing postage-stamps | Apr. 15, 1879 | 600 | 171 | 15 | 365 |
| 214, 350 | Barnhart, Cornelius, Walker Valley, N. Y. Heating-stove | Apr. 15, 1879 | 751 | 209 | 15 | 585 |
| 212, 171 | Barnhart, George W., and E. H. Hazelton, Chicago, Ill. Collar and stove-pipe chimney-fastening. | Feb. 11, 1879 | 404 | 110 | 15 | 180 |
| 223, 093 | Barnhill, Thomas W., and T. B. Payne, Providence, Ky. Fender for trees | Dec. 30, 1879 | 1151 | 324 | 16 | 1208 |
| | Barnsback, Jule G. (*See* Williams, George L., assignor.) | | | | | |
| | Barnum, Henry A. (*See* Hawley, Benjamin R., assignor.) | | | | | |
| 211, 053 | Barnum, Horace W., Omaha, Nebr. Apparatus for casting metals | Feb. 4, 1879 | 152 | 44 | 15 | 146 |
| 8, 936 | Barnum, Russel S., Chicago, Ill., assignor to H. C. Goodrich. Hinged slate (Reissue) | Oct. 21, 1879 | 804 | 215 | 16 | 758 |
| | Baron, Alfred L., *et al.* (*See* Blaisdell & Young, assignors) (Reissue) | | | | | |
| | Baron, Alfred L. (*See* Cash & Baron.) | | | | | |
| | Baron, Charles S. S. (*See* Paull, Archibald W., assignor.) | | | | | |
| 212, 426 | Baron, Gustavus A., Gouverneur, N. Y. Machine for measuring and cutting wire | Feb. 18, 1879 | 708 | 196 | 15 | 323 |
| | Barr, Edward. (*See* Fuller, Millard M., assignor.) | | | | | |
| | Barr, Horatio. (*See* Grier & Barr.) | | | | | |
| 211, 689 | Barr, Jacob H., Mansfield, Ohio. Plowshare | Jan. 28, 1879 | 731 | 204 | 15 | 100 |
| 211, 544 | Barr, John, Bridgeport, Conn. Tool-handle | Jan. 21, 1879 | 546 | 155 | 15 | 73 |
| 211, 372 | Barr, Orlando, assignor of one-half interest to G. P. Lord, Elgin, Ill. Sulky gang-plow. | Jan. 14, 1879 | 352 | 102 | 15 | 46 |
| | Barr, Samuel. (*See* Heaton, Lewis E., assignor.) | | | | | |
| 211, 615 | Barrett, Charles F., New York, N. Y. Feed-water heater | Jan. 28, 1879 | 646 | 181 | 15 | 89 |
| 214, 987 | Barrett, Henry, Hampton, and J. Bailey, Silvertown, England. Internal bottle-stopper. | May 6, 1879 | 7 | 3 | 15 | 703 |
| 221, 765 | Barrett, James C., Marion, N. Y. Water-elevator | Nov. 18, 1879 | 723 | 202 | 16 | 929 |
| 220, 786 | Barrett, Thomas, assignor to American Shade Roller Company, Boston, Mass. Spring curtain-roller | Oct. 21, 1879 | 679 | 180 | 16 | 741 |
| 220, 787 | Barrett, Thomas, Boston, and G. Knapp, Somerville, assignors to American Shade Roller Company, Boston, Mass. Curtain-roller and bracket | Oct. 21, 1879 | 680 | 180 | 16 | 741 |
| 218, 473 | Barrie, Robert, Chelsea, Mass. Reproducing objects by electricity | Aug. 12, 1879 | 431 | 120 | 16 | 289 |
| 212, 173 | Barringer, John H., Lincoln, Nebr. Pump-tubing | Feb. 11, 1879 | 405 | 110 | 15 | 180 |
| 221, 274 | Barrington, John G., North Sydney, Nova Scotia. Lubricator | Nov. 4, 1879 | 148 | 40 | 16 | 833 |
| 211, 211 | Barron, Moses J., Sangamon County, Ill. Check-rower | Jan. 7, 1879 | 145 | 44 | 15 | 20 |
| 212, 172 | Same ... Check-row planter | Feb. 11, 1879 | 404 | 110 | 15 | 180 |
| 219, 434 | Barron, Moses J., Dawson, Ill. Stop-knot for check-rowers | Sept. 9, 1879 | 444 | 123 | 16 | 476 |
| 219, 671 | Same ... Check-rower | Sept. 16, 1879 | 713 | 197 | 16 | 520 |
| 221, 275 | Barron, W. Thompson, Norfolk, Va. Tag-fastener | Nov. 4, 1879 | 149 | 41 | 16 | 833 |
| 217, 044 | Barrow, Benjamin F., assignor of one-half interest to J. T. Morgan, Jewett, Tex. Device for securing buckles, &c., to straps | July 1, 1879 | 129 | 38 | 16 | 19 |
| | Barrow, David. (*See* Barrow, Samuel, D., and J.) | | | | | |
| | Barrow, Jacob. (*See* Barrow, Samuel, D., and J.) | | | | | |
| 219, 061 | Barrow, Marion J., assignor of one-half interest to G. W. Armstrong, Rood House, Ill. Churn-power mechanism | Sept. 2, 1879 | 5 | 2 | 16 | 413 |
| 220, 694 | Barrow, Marion J., Rood House, Ill. Saw-clamp | Oct. 21, 1879 | 568 | 151 | 16 | 727 |
| 222, 430 | Barrow, Samuel, D., and J., Windfall, Ind. Rotary engine and pump | Dec. 9, 1879 | 365 | 103, 104 | 16 | 1068 |
| | Barrows, Henry F. (*See* Peck, John B., assignor.) | | | | | |
| 214, 869 | Barrows, Henry F., North Attleborough, Mass. Chain-link | Apr. 29, 1879 | 1354 | 377 | 15 | 677 |
| 215, 786 | Barrows, William E., Hartford, Conn. Thread-fastening on spools | May 27, 1879 | 937 | 275 | 15 | 846 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 220, 567 | Barry, Henry W., Camden, N. J. Neck-scarf | Oct. 14, 1879 | 416 | 108 | 16 | 699 |
| 211, 881 | Barry, James, assignor to self and J. Barry, Auburn, N. Y. Steam-cylinder-lubricator. | Feb. 4, 1879 | 67 | 20 | 15 | 134 |
| | Barry, Joseph. (*See* Barry, James, assignor.) | | | | | |
| 217, 319 | Barry, Meddy M., Rome, Ga. Car-axle box | July 8, 1879 | 438 | 129 | 16 | 68 |
| 216, 777 | Barry, William G., Paris, Tex. Spring hinge | June 24, 1879 | 888 | 232 | 15 | 1025 |
| 222, 001 | Bartell, Nicholas, Milwaukee, Wis. Locking device for the tables of children's chairs. | Nov. 25, 1879 | 1018 | 285 | 16 | 978 |
| 8, 600 | Bartels, William H., Elgin, Ill., assignor, by mesne assignments, to Hemingray Glass Company. Oil-can (Reissue) | Feb. 25, 1879 | 1129 | 313 | 15 | 287 |
| 220, 785 | Barthel, A. Edward, Detroit, Mich. Lock for fire-arms | Oct. 21, 1879 | 678 | 179, 180 | 16 | 741 |
| 221, 145 | Same same | Nov. 4, 1879 | 4 | 2 | 16 | 813 |
| 221, 146 | Same Revolving fire-arm | Nov. 4, 1879 | 6 | 2 | 16 | 813 |
| 218, 655 | Barthel, Albrecht E., and R. Jahr, Detroit, Mich.; said Jahr assignor to said Barthel. Supporting-bar for furnace-grates | Aug. 19, 1879 | 644 | 182 | 16 | 327 |
| | Bartholomae, George. (*See* Meller & Hofmann, assignors.) | | | | | |
| | Bartholomew, Cassius. (*See* Bartholomew, Charles L. and C.) | | | | | |
| 215, 785 | Bartholomew, Charles L. and C., Newark, Ohio. Lamp-chimney | May 27, 1879 | 936 | 275 | 15 | 846 |
| 211, 690 | Bartholomew, Charles M., Lowell, Wis. Washing-machine | Jan. 28, 1879 | 732 | 204 | 15 | 100 |
| 212, 834 | Bartholomew, Esli S., Maysville, assignor to H. T. Bartholomew, Auburn, N. Y. Middlings-purifier | Mar. 4, 1879 | 63 | 19 | 15 | 306 |
| | Bartholomew, Harriet T. (*See* Bartholomew, Esli S., assignor.) | | | | | |
| 212, 833 | Bartholomew, Harry S., Bristol, Conn. Machine for polishing varnished surfaces | Mar. 4, 1879 | 61 | 19 | 15 | 305 |
| 215, 554 | Bartholomew, Miles M., Belleville, Ill. Type-writing machine | May 20, 1879 | 678 | 198 | 15 | 803 |
| 216, 819 | Bartleson, John W., Churchville, Pa. Animal-stall and stable-door releasing device | June 24, 1879 | 933 | 266 | 15 | 1031 |
| | Bartlett, Eayre O. (*See* Lewis & Bartlett.) | | | | | |
| | Same same (Reissue.) | | | | | |
| 221, 209 | Bartlett, Edward L., Olean, and M. O. Evans, Portville, N. Y. Log-boring machine | Nov. 4, 1879 | 74 | 20 | 16 | 822 |
| 222, 440 | Bartlett, Ezra J., and F. T. Wilson, Ames, Iowa. Device for feeding air to furnaces | Dec. 9, 1879 | 366 | 104 | 16 | 1069 |
| 219, 378 | Bartlett, Frederick W., Buffalo, N. Y. Ozone apparatus | Sept. 9, 1879 | 379 | 106 | 16 | 468 |
| 220, 051 | Bartlett, Henry L., assignor to C. A. White and M. A. Fowler, Hartford, Conn. Pantaloons | Sept. 30, 1879 | 1156 | 318 | 16 | 508 |
| 211, 212 | Bartlett, George S., assignor of one-half interest to S. A. Gates, Leon, Iowa. Pump-valve | Jan. 7, 1879 | 146 | 44 | 15 | 20 |
| 213, 030 | Bartlett, Louis D., Fitchburg, Mass. Balance puppet-valve | Mar. 11, 1879 | 315 | 88 | 15 | 345 |
| | Bartlett, Phileua H., administratrix. (*See* Cutler & Sanford, assignors.) | | | | | |
| | Bartlett, Robbins & Co. (*See* Robbins, Henry R., assignor.) | | | | | |
| 217, 505 | Bartley, Robert J., Cleveland, Ohio, assignor of one-half interest to H. H. and G. G. Willard. Washer-cutter | July 15, 1879 | 654 | 186 | 16 | 107 |
| 221, 147 | Barton, Charles C., Rochester, and J. B. West, Geneseo, N. Y. Piston water-meter | Nov. 4, 1879 | 8 | 2 | 16 | 813 |
| 217, 976 | Barton, Edmund, Philadelphia, Pa. Cider-mill | July 29, 1879 | 1198 | 343 | 16 | 195 |
| | Barton, Elijah C., *et al.* (*See* Bailey, Charles A., assignor.) | | | | | |
| 215, 714 | Barton, Richard T., New Haven, Conn. Holdback for vehicles | May 27, 1879 | 861 | 252 | 15 | 836 |
| 222, 442 | Barton, William, Newark, N. J., assignor of one-half interest to C. H. Stoddart, New York, N. Y. Wash-boiler fountain | Dec. 9, 1879 | 368 | 104 | 16 | 1069 |
| 222, 980 | Barton, William L., Butler, Ky. Plow | Dec. 30, 1879 | 1015 | 261 | 16 | 1191 |
| 222, 809 | Basnett, Philip S., Basnettsville, W. Va. Water-gate | Dec. 23, 1879 | 814 | 233 | 16 | 1152 |
| 218, 656 | Basom, Ransford W., Longview, Tex. Machine for filing saws | Aug. 19, 1879 | 645 | 182 | 16 | 327 |
| 218, 474 | Bassett, George, Chicago, Ill. Mail-package | Aug. 12, 1879 | 432 | 120 | 16 | 289 |
| 216, 549 | Bassett, Nathan, Philadelphia, Pa. Sifting-machine | June 17, 1879 | 617 | 175 | 15 | 980 |
| 221, 387 | Same Machine for reducing, mixing, and sifting | Nov. 11, 1879 | 292 | 79 | 16 | 861 |
| 222, 373 | Bassett, Royal M., Birmingham, Conn. Rolling-mill | Dec. 9, 1879 | 290 | 81 | 16 | 1059 |
| 221, 438 | Bassett, Walter E., assignor of one-half interest to P. Lohr, Cincinnati, Ohio. Machine for flanging metal plates | Nov. 11, 1879 | 348 | 96 | 16 | 869 |
| 212, 583 | Bassett, William H., Kokomo, Ind. Band-cutter and feeder for thrashing-machines | Feb. 25, 1879 | 914 | 252 | 15 | 259 |
| 211, 954 | Bastar, John, Allegheny, Pa. Spigot and faucet | Feb. 4, 1879 | 153 | 44 | 15 | 146 |
| 211, 213 | Bastet, Louis, Philadelphia, Pa., assignor to Metropolitan Patent Right Company. Galvanic battery | Jan. 7, 1879 | 147 | 44 | 15 | 20 |
| 223, 096 | Bastright, Conzac S., Lebanon, N. H. Railway-switch | Dec. 30, 1879 | 1154 | 325 | 16 | 1209 |
| | Bataille, Achille. (*See* Wakeman & Bataille.) | | | | | |
| 215, 260 | Batchelder, William W., New York, N. Y. Apparatus for lighting gas | May 13, 1879 | 338 | 99 | 15 | 748 |
| 215, 261 | Same Apparatus for lighting cigars, pipes, &c | May 13, 1879 | 340 | 99 | 15 | 748 |
| 222, 649 | Same Cord-adjuster | Dec. 16, 1879 | 636 | 182 | 16 | 1115 |
| 216, 498 | Batcheller, Fanney C., Boston, Mass. Ear-holder | June 17, 1879 | 565 | 162 | 15 | 973 |
| 216, 015 | Batcheller, Lucien B., Arlington, Vt. Machine for finishing chair-stock | June 3, 1879 | 5 | 1, 2 | 15 | 885 |
| 222, 121 | Bate, John J., Brooklyn, N. Y. Refrigerator | Dec. 2, 1879 | 5 | 2 | 16 | 1009 |
| 222, 122 | Same same | Dec. 2, 1879 | 6 | 2 | 16 | 1009 |
| 222, 173 | Same same | Dec. 2, 1879 | 64 | 15 | 16 | 1017 |
| | Bateman, John. (*See* Hubbell, Thomas J., assignor.) | | | | | |
| 211, 882 | Bates, Charles E., West Cheshire, Conn. Button | Feb. 4, 1879 | 68 | 20 | 15 | 134 |
| | Bates, Conrad, *et al.* (*See* Cook, Isaac, assignor.) | | | | | |
| 223, 097 | Bates, Francis G., and W. C. Hartmann, Philadelphia, Pa. Device for driving, stopping, and reversing shafts, wheels, or pulleys | Dec. 30, 1879 | 1155 | 325, 326 | 16 | 1209 |
| | Bates, Frank G., *et al.* (*See* Howard, James S., assignor.) | | | | | |
| 214, 609 | Bates, George G., New York, N. Y. Trimming | Apr. 22, 1879 | 1055 | 296 | 15 | 631 |
| 217, 852 | Bates, Johnson E., Watertown, Conn. Formation of carriage-spring clips | July 29, 1879 | 1064 | 305, 306 | 16 | 177 |
| 220, 333 | Batec, Peter S., Bloomsburg, Pa. Self-adjusting relay | Oct. 7, 1879 | 137 | 37 | 16 | 653 |
| 216, 641 | Bates, Robert, Columbus, and J. H. Wild, Spring Valley, Ohio. Combined punch, drill, shears, &c | June 17, 1879 | 717 | 205 | 15 | 994 |
| 214, 233 | Bates, Samuel A., assignor to self, J. J. McCormick, and R. Lidell, Pittsburg, Pa. Elevator | Apr. 15, 1879 | 601 | 171 | 15 | 565 |
| 219, 795 | Bates, Samuel D., Lewisburg, Pa. Harvester | Sept. 23, 1879 | 859 | 237 | 16 | 549 |
| | Bates, T. C., *et al.* (*See* Hill, Lucian, assignor.) | | | | | |
| | Bates, Theodore C. (*See* Fanning, David H., assignor) (Reissue.) | | | | | |
| 217, 977 | Bates, William C., Lawrence, Kans. Water-wheel | July 29, 1879 | 1199 | 344 | 16 | 196 |
| | Bates, William M. (*See* Gifford & Bates.) | | | | | |
| | Bates, William S. (*See* Scarborough & Bates.) | | | | | |
| | Batig, Joseph, jr. (*See* Sherck & Batig.) | | | | | |
| | Battoe, William T. (*See* Whitaker & Partin, assignors.) | | | | | |
| 213, 377 | Bauder, Silas E., Birmingham, Ohio. Clothes-stick | Mar. 18, 1879 | 711 | 199 | 15 | 405 |
| | Bauer, John. (*See* Oppliger, Ulrich, assignor.) | | | | | |
| 212, 347 | Bauer, Louis, and J. Seitz, San Francisco, Cal. Tobacco-cutting machine | Feb. 18, 1879 | 613 | 172 | 15 | 210 |
| | Baugh, Daniel, *et al.* (*See* Adamson, William, assignor) (Reissue.) | | | | | |
| | Baugh, Edwin P., *et al.* (*See* Adamson, William, assignor) (Reissue.) | | | | | |
| | Baugh, John P., *et al.* (*See* Adamson, William, assignor) (Reissue.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Baumann, August. (*See* Hallstegge & Baumann.) | | | | | |
| 212, 645 | Baumann, Frederick, Chicago, Ill. Malt-kiln floor | Feb. 25, 1879 | 978 | 271 | 15 | 267 |
| | Baumberger, James. (*See* Frazee, Vitruvius, assignor.) | | | | | |
| 216, 499 | Baumgartner, Frederick, Brooklyn, N. Y. Carriage-curtain fastening | June 17, 1879 | 566 | 162 | 15 | 973 |
| 219, 380 | Baumgartner, John, assignor of one-half interest to H. A. Schmidt, Newark, N. J. Toy | Sept. 9, 1879 | 381 | 107 | 16 | 468 |
| | Baumle, John. (*See* Baumle, Leopold and J.) | | | | | |
| 222, 567 | Baumle, Leopold and J., Milwaukee, Wis. Machine for cleansing intestines | Dec. 16, 1879 | 532 | 151 | 16 | 1101 |
| 220, 568 | Baur, Charles, New York, N. Y. Fountain-pen | Oct. 14, 1879 | 417 | 108 | 16 | 699 |
| 215, 555 | Bausch, John J., Rochester, N. Y. Show-box for spectacles | May 20, 1879 | 679 | 198 | 15 | 803 |
| 212, 174 | Bavier, William, Newark, N. J. Smoker's pipe | Feb. 11, 1879 | 406 | 110 | 15 | 180 |
| 221, 020 | Bavis, Martin V., Linwood, Ohio. Rotary cutter-head | Oct. 28, 1879 | 961 | 256 | 16 | 787 |
| 215, 428 | Baxendale, Samuel, Cambridge, Mass. Centrifugal machine | May 20, 1879 | 532 | 157 | 15 | 783 |
| 8, 822 | Baxter, Charles M., Lebanon, N. H. Hot-air furnace (Reissue) | July 29, 1879 | 1344 | 385 | 16 | 213 |
| | Baxter, Edward. (*See* Hughson, Benjamin F., assignor.) | | | | | |
| | Baxter, John. (*See* Fitts, Baxter & Rowe.) | | | | | |
| 213, 541 | Bayles, Oliver, Easton, W. Va. Harrow | Mar. 25, 1879 | 887 | 253 | 15 | 436 |
| 212, 122 | Bayley, Charles H., Boston, Mass. Trimming attachment for sewing-machines | Feb. 11, 1879 | 350 | 96 | 15 | 172 |
| 215, 556 | Baylies, Franklin, assignor to self, J. M. Slade, and C. Ford, New York, N. Y. Rubber-cutting machine | May 20, 1879 | 680 | 199, 200 | 15 | 803 |
| 221, 388 | Baylies, Franklin, G. P. and J. M. Slade, New York, N. Y. Calico-printing machine | Nov. 11, 1879 | 294 | 80, 81 | 16 | 861 |
| 223, 098 | Bayliff, George, Liscard, Chester County, England. Billiard-table | Dec. 30, 1879 | 1156 | 326 | 16 | 1209 |
| 219, 435 | Bayliff, Lewis P., and W. Harrod, Union Township, Anglaize County, assignors of one-half interest to A. Smith and A. Besse, Uniopolis, Ohio. Car-coupling | Sept. 9, 1879 | 444 | 124 | 16 | 476 |
| | Baynes, William. (*See* Wilhelm, George K., assignor.) | | | | | |
| 217, 722 | Bazin, Ernest, Paris, France. Ore-washer | July 22, 1879 | 913 | 261, 262 | 16 | 151 |
| 211, 545 | Bazin, Raoul, Condé-sur-Noireau, France. Rotary engine | Jan. 21, 1879 | 547 | 155 | 15 | 73 |
| 219, 672 | Beach, Charles H., Althouse, Oreg. Sole for rubber boots | Sept. 16, 1879 | 713 | 197 | 16 | 520 |
| 219, 842 | Beach, Edgar B., West Meriden, Conn. Border-trimming machine | Sept. 23, 1879 | 909 | 251 | 16 | 556 |
| 215, 715 | Beach, Erastus O., North Dansville, N. Y. Plow | May 27, 1879 | 862 | 252 | 15 | 836 |
| | Beach, Franklin G. (*See* Murdock & Beach.) | | | | | |
| 213, 612 | Beach, Giles, Gloversville, N. Y. Paper organ-pipe | Mar. 25, 1879 | 963 | 273 | 15 | 445 |
| 211, 291 | Beach, Henry D., Geneva, N. Y. Newel-post | Jan. 14, 1879 | 249 | 73 | 15 | 33 |
| 215, 313 | Beach, Henry H., Rome, N. Y. Preparation of pease | May 13, 1879 | 406 | ..... | 15 | 757 |
| 223, 024 | Same.....Preparing pease | Dec. 30, 1879 | 1067 | ..... | 16 | 1198 |
| 218, 916 | Beach, Joseph B., West Meriden, Conn. Ice-pitcher | Aug. 26, 1879 | 964 | 271 | 16 | 381 |
| 212, 175 | Beach, William W., assignor to R. Meyer, New York, N. Y. Moistening device | Feb. 11, 1879 | 407 | 111 | 15 | 180 |
| 216, 642 | Beadle, Elwood, Florence, Ala. Hay and cotton press | June 17, 1879 | 719 | 206 | 15 | 994 |
| 221, 496 | Beadle, George, Syracuse, N. Y. Fare-box | Nov. 11, 1879 | 420 | 114, 115 | 16 | 878 |
| 218, 107 | Beadle, Jesse, Shickshinny, Pa. Bit-stock | Aug. 5, 1879 | 2 | 1 | 16 | 221 |
| | Beadles, William T., *et al.* (*See* Dyer, James M., assignor.) | | | | | |
| | Beagle, Luther J. (*See* Griffin, Russell B., assignor.) | | | | | |
| | Beagle, Thomas M. (*See* Pattin, Sibley & Beadle.) | | | | | |
| 221, 497 | Beal, George C., Washington, Ga. Tether | Nov. 11, 1879 | 423 | 115 | 16 | 879 |
| 221, 498 | Same.....Seeding and fertilizing attachment for plows | Nov. 11, 1879 | 424 | 115 | 16 | 879 |
| 222, 229 | Beals, Leonard S., and P. Thomas, Astoria, N. Y. Molding handles of celluloid and similar materials on cutlery and other articles | Dec. 2, 1879 | 129 | 32 | 16 | 1026 |
| | Beam, Daniel A., *et al.* (*See* Holman, William J., assignor.) | | | | | |
| 215, 862 | Beam, Hardin M., Beebe, Ark. Hame-fastener | May 27, 1879 | 1030 | 300 | 15 | 857 |
| | Beam, Perry K. (*See* Michael & Beam.) | | | | | |
| 219, 564 | Beames, William E., New York, N. Y. Pocket-book | Sept. 16, 1879 | 582 | 163 | 16 | 503 |
| 223, 099 | Bean, Albert B., assignor to New Haven Manufacturing Company, New Haven, Conn. Engine-lathe | Dec. 30, 1879 | 1157 | 326 | 16 | 1209 |
| 216, 978 | Bean, Edwin E., Boston, Mass. Wax-thread sewing-machine | June 3, 1879 | 79 | 23 | 15 | 895 |
| 213, 275 | Bean, James M., Watertown, Mass. Case for cans | Mar. 18, 1879 | 605 | 171 | 15 | 391 |
| 216, 932 | Same.....Case for cans and other vessels | July 1, 1879 | 5 | 1 | 16 | 3 |
| 211, 373 | Bean, John, Hudson, Mich. Metallic wheelbarrow | Jan. 14, 1879 | 354 | 103 | 15 | 46 |
| 217, 978 | Same.....Wheelbarrow | July 29, 1879 | 1199 | 344 | 16 | 195 |
| 221, 891 | Bean, John, and E. H. Aldrich, Hudson, Mich.; said Aldrich assignor to said Bean. Pump | Nov. 18, 1879 | 874 | 245 | 16 | 950 |
| 220, 789 | Bean, John and R., Springfield, Ohio. Pump | Oct. 21, 1879 | 683 | 181 | 16 | 741 |
| 220, 695 | Bean, Joseph H., Clarksville, assignor of seven-eighths interest to J. G. Hunt, Cincinnati, Ohio. Carbureter | Oct. 21, 1879 | 569 | 152 | 16 | 727 |
| | Bean, Roscoe. (*See* Bean, John and R.) | | | | | |
| 8, 631 | Bean, Roscoe, Hudson, Mich. Force-pump (Reissue) | Mar. 25, 1879 | 1089 | 309 | 15 | 462 |
| 215, 863 | Beanland, Isaac, Fall River, Mass. Puddling-furnace | May 27, 1879 | 1031 | 301 | 15 | 857 |
| | Beard, Eleazer J., *et al.* (*See* King, Phineas F., assignor.) | | | | | |
| 213, 314 | Beard, George M., Angola, Ind. Windmill-pump | Mar. 18, 1879 | 647 | 182 | 15 | 396 |
| | Beard, George N., *et al.* (*See* King, Phineas F., assignor.) | | | | | |
| 214, 083 | Beardmore, Joseph, Covington, Ky. Sheet rubber for packing, &c | Apr. 8, 1879 | 427 | 120 | 15 | 533 |
| 218, 698 | Beardsley, William, Beacon, Iowa. Bottle-stopper | Aug. 19, 1879 | 689 | 196 | 16 | 333 |
| 221, 499 | Bearup, Henry I., assignor of one-third interest to C. G. Melcher, Elkhart, Ind. Steam or air brake cylinder | Nov. 11, 1879 | 424 | 115 | 16 | 879 |
| 214, 084 | Beasley, Maria E., Philadelphia, Pa. Roasting and baking pan | Apr. 8, 1879 | 428 | 121 | 15 | 533 |
| 214, 870 | Beattie, William C., assignor to Reed & Barton, Taunton, Mass. Cake-basket, fruit-stand, &c | Apr. 29, 1879 | 1355 | 377 | 15 | 677 |
| | Beatty, Robert J. (*See* Fox, William, assignor.) | | | | | |
| 215, 038 | Beatty, Samuel, Norwalk, Conn. Sweat-lining for hats | May 6, 1879 | 61 | 18 | 15 | 710 |
| 213, 031 | Beatty, William, and G. M. Edwards, Gray, Me. Metallic loom-shuttle | Mar. 11, 1879 | 316 | 88 | 15 | 345 |
| | Beaty, Thomas W. (*See* Gilbert, Cephas, assignor.) | | | | | |
| 221, 953 | Beaudry, Zotique, assignor to self and U. Beliveau, Lynn, Mass. Mechanical movement | Nov. 25, 1879 | 969 | 271 | 16 | 971 |
| 221, 954 | Same.....Boot and shoe heel burnishing-machine | Nov. 25, 1879 | 970 | 271, 272 | 16 | 971 |
| 217, 320 | Beauregard, Napoleon, San Francisco, Cal. Metallic harrow | July 8, 1879 | 439 | 129 | 16 | 68 |
| 217, 573 | Beavers, Jeremiah V., Mount Summit, Ind. Weather-strip | July 15, 1879 | 729 | 208 | 16 | 117 |
| 215, 864 | Bechtelle, Christian P., assignor to J. B. Crowell & Co., Greencastle, Pa. Fertilizer attachment to grain-drills | May 27, 1879 | 1032 | 301 | 15 | 857 |
| 213, 089 | Beck, Adam, Newton Lower Falls, Mass. Paper-cutting machine | Mar. 11, 1879 | 387 | 108 | 15 | 354 |
| | Beck, Caroline. (*See* Beck, Trangott, assignor.) | | | | | |
| 221, 500 | Beck, Charles O., Boston, Mass. Drawing or roving can | Nov. 11, 1879 | 426 | 116 | 16 | 879 |
| 219, 119 | Beck, Frederick C., deceased, Manitowoc, Wis., H. E. T. Scheel, administrator. Draw-bridge gate | Sept. 2, 1879 | 70 | 22 | 16 | 422 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214, 085 | Beck, Gebhard, Hanau, Germany. Lamp-wick | Apr. 8, 1879 | 429 | 121 | 15 | 534 |
| 221, 021 | Beck, Joseph W., Indianapolis, Ind. Flying target and trap | Oct. 28, 1879 | 962 | 256 | 16 | 787 |
| 217, 853 | Beck, Trangott, assignor to C. Beck, Newark, N. J. Spur | July 29, 1879 | 1066 | 306 | 16 | 177 |
| 219, 199 | Same ..... same | Sept. 2, 1879 | 154 | 46 | 16 | 432 |
| 219, 341 | Beck, Trangott, Newark, N. J. Spur | Sept. 9, 1879 | 337 | 95 | 16 | 463 |
| | Beck, Washington. (*See* Atterbnry & Beck.) | | | | | |
| | Same ..... same ..... (Reissue.) | | | | | |
| | Beck, Washington. (*See* Fenrhake, Henry, assignor.) | | | | | |
| | Beck, Washington, *et al.* (*See* Wuth, William A. O., assignor.) | | | | | |
| 214, 276 | Beck, Washington, Pittsburg, Pa. Machine for shaping and finishing glassware | Apr. 15, 1879 | 656 | 183 | 15 | 573 |
| 221, 022 | Beck, Washington, H. Feurhake, and W. A. O. Wuth, Pittsburg, Pa. Cleaning glass-molds | Oct. 28, 1879 | 963 | ..... | 16 | 788 |
| 221, 023 | Beck, Washington, and H. Feurhake, assignors to themselves and W. A. O. Wuth, Pittsbnrg, Pa. Cleaning glass-molds | Oct. 28, 1879 | 964 | ..... | 16 | 788 |
| 219, 673 | Beck, William F., Crawfordsville, Ind. Hame-clip | Sept. 16, 1879 | 714 | 198 | 16 | 520 |
| 214, 352 | Beckel, Joseph, New York, N. Y. Corset-steel | Apr. 15, 1879 | 753 | 210 | 15 | 585 |
| 220, 114 | Becker, Charles R., Baltimore, Md. Cigar | Sept. 30, 1879 | 1228 | 338 | 16 | 608 |
| 212, 584 | Becker, Eduard, Berlin, Germany. Self-acting brake or friction-coupling | Feb. 25, 1879 | 916 | 252, 253 | 15 | 259 |
| 222, 855 | Becker, George H., Memphis, Tenn. Blind-slat securer | Dec. 23, 1879 | 871 | 251 | 16 | 1159 |
| | Becker, Henry L. (*See* Schaffer, Jacob C., assignor.) | | | | | |
| 219, 674 | Becker, Jacob, and M. H. Iltis, Minneapolis, Minn. Air-pressure apparatus for forcing beer, &c | Sept. 16, 1879 | 715 | 198 | 16 | 520 |
| 213, 379 | Becker, John L., Cincinnati, Ohio. Evaporating-pan | Mar. 18, 1879 | 713 | 200 | 15 | 405 |
| 217, 979 | Becker, Leander, York, Pa. Washing-machine | July 29, 1879 | 1200 | 344 | 16 | 195 |
| 213, 378 | Becker, Ludwig, Vienna, Austria. Car-brake | Mar. 18, 1879 | 711 | 200 | 15 | 405 |
| 212, 885 | Becker, William J., assignor to J. A. Reed and A. P. Stevens, Albany, N. Y. Pedal-piano | Mar. 4, 1879 | 131 | 37, 38 | 15 | 313 |
| | Becket, James A., *et al.* (*See* Vaché, William F., assignor.) | | | | | |
| 216, 500 | Beckler, Michael, Cheviot, Ohio. Grave-guard and tombstone | June 17, 1879 | 567 | 162 | 15 | 973 |
| 217, 046 | Beckwith, Charles E., assignor of two-thirds interest to G. Butt and E. L. Mundy, Norwalk, Ohio. Corn-planter | July 1, 1879 | 132 | 39 | 16 | 19 |
| | Beckwith, Leonard F. (*See* Du Motay & Beckwith.) | | | | | |
| 220, 909 | Beckwith, Leonard F., New York, N. Y. Grate and fire-chamber | Oct. 28, 1879 | 821 | 219, 220 | 16 | 769 |
| 221, 501 | Same ..... Fire-proof floor | Nov. 11, 1879 | 426 | 116 | 16 | 879 |
| | Beckwith, W. I. (*See* Thurber, Milton R., assignor.) | | | | | |
| 219, 843 | Bedeau, Paul, Saint Louis, Mo. Manufacturing ornamented moldings of carton-pierre or other similar plastic substance | Sept. 23, 1879 | 910 | 251 | 16 | 556 |
| | Bedell, Daniel S. (*See* Smith, Edward S., assignor.) | | | | | |
| 216, 593 | Bedford, Joseph T., New York, N. Y. Mechanism for actuating punches, shears, and stamps | June 17, 1879 | 671 | 191 | 15 | 987 |
| | Bedford, Lewis N., *et al.* (*See* McCullough, James P., assignor.) | | | | | |
| 214, 748 | Bednar, Joseph F., assignor of one-half interest to J. V. Emmitt, Sterling, Ill. Hub-attaching device | Apr. 29, 1879 | 1214 | 341 | 15 | 659 |
| 217, 194 | Bednar, Joseph F., Sterling, Ill. Draft-hook | July 8, 1879 | 311 | 92 | 16 | 51 |
| 215, 429 | Beebe, Charles H., Norwich, Conn. Padlock | May 20, 1879 | 533 | 158 | 15 | 783 |
| | Beebe, Thomas J. (*See* Sangster, Hugh, assignor.) | | | | | |
| 215, 430 | Beecher, Charles, Fairmount, Nebr. End-gate for wagons | May 20, 1879 | 534 | 158 | 15 | 783 |
| 216, 501 | Beecher, Ebenezer B., Westville, Conn. Match-box | June 17, 1879 | 568 | 162 | 15 | 973 |
| 219, 796 | Beecher, Evelyn, New Haven, Conn. Till-alarm | Sept. 23, 1879 | 862 | 237, 238 | 16 | 549 |
| 212, 585 | Beecher, L. Wheeler, Westville, Conn. Basket | Feb. 25, 1879 | 917 | 253 | 15 | 259 |
| 217, 723 | Beecher, William F., Cleveland, Ohio. Hot-air furnace | July 22, 1879 | 916 | 262 | 15 | 151 |
| | Beedle, A. T. (*See* Kelly, John, assignor.) | | | | | |
| | Beedle & Kelly. (*See* Kelly, John, assignor.) | | | | | |
| 214, 353 | Beeman, Geraldo A., and H. S. Ramsey, Comanche, Tex. Lamp-burner | Apr. 15, 1879 | 753 | 210 | 15 | 585 |
| | Beemer, Horace J. (*See* Whitney, Edwin R., assignor.) | | | | | |
| 222, 650 | Beers, Daniel G., Newtown, Conn. Carriage-top | Dec. 16, 1879 | 637 | 182 | 16 | 1116 |
| 220, 115 | Beers, George S., New Milford, Conn. Machine for ornamenting buttons | Sept. 30, 1879 | 1229 | 339 | 16 | 608 |
| 212, 646 | Beers, John L., Cocolamus, Pa. Water-wheel | Feb. 25, 1879 | 979 | 271, 272 | 15 | 267 |
| 217, 921 | Beers, Philo M., Bridgeport, Conn. Machine for grooving sewing-machine needles | July 29, 1879 | 1143 | 326, 327 | 16 | 187 |
| 222, 117 | Beesley, Edward, assignor, by mesne assignments, to S. Wrigley and M. A. Gilham, Newark, N. J. Hat-sizing machine | Nov. 25, 1879 | 1147 | 324 | 16 | 996 |
| 219, 200 | Beeson, William, Eagle Rock, Idaho. Automatic table-waiter | Sept. 2, 1879 | 154 | 46 | 16 | 432 |
| 220, 116 | Behr, Arno, Jersey City, N. J., and H. C. Humphrey, Stamford, Conn., assignors to E. E. Quimby, trustee, New York, N. Y. Extracting oil from the residuum in the manufacture of glucose | Sept. 30, 1879 | 1230 | ..... | 16 | 609 |
| 211, 883 | Behr, Hans C., Virginia City, Nev. Hoisting-register | Feb. 4, 1879 | 69 | 20 | 15 | 135 |
| 214, 871 | Beiersdorf, Jacob, and W. I. Bunker, Chicago, Ill. Elastic attachment to rocking-chairs | Apr. 29, 1879 | 1356 | 378 | 15 | 678 |
| 220, 790 | Belchambers, Alfred, Ripley, Ohio. Riding-plow | Oct. 21, 1879 | 683 | 181 | 16 | 741 |
| 217, 442 | Belcher, George C. W., Saint Louis, Mo. Filtration of sugar solutions | July 15, 1879 | 589 | 169 | 16 | 99 |
| 213, 380 | Belcher, John B., Charlotte, Mich. Boot-strap | Mar. 18, 1879 | 713 | 200 | 15 | 406 |
| 220, 117 | Belcher, Melvin A., and G. F. Perrenot, Rockport, Tex. Shackle | Sept. 30, 1879 | 1231 | 339 | 16 | 609 |
| | Belden, A. C., *et al.* (*See* Kremer, Frank W., assignor.) | | | | | |
| 222, 856 | Belden, Henry S., Canton, Ohio. Supplying street-lamps with oil | Dec. 23, 1879 | 872 | 251 | 16 | 1159 |
| | Belden, H. S., *et al.* (*See* McCormick, Thomas D., assignor.) | | | | | |
| 216, 594 | Belden, Russell A., assignor of one-half interest to F. A. Hull, Danbury, Conn. Machine for making fence-barbs | June 17, 1879 | 672 | 192 | 15 | 988 |
| 219, 565 | Belduke, Joseph, San Francisco, Cal. Gang-plow | Sept. 16, 1879 | 583 | 163 | 16 | 503 |
| 212, 647 | Belford, Philip J., New York, N. Y. Ventilator-cap | Feb. 25, 1879 | 980 | 272 | 15 | 267 |
| | Beliveau, Udger. (*See* Beaudry, Zotique, assignor.) | | | | | |
| 212, 428 | Belknap, Willis H., New York, N. Y. Umbrella-runner | Feb. 18, 1879 | 710 | 196 | 15 | 223 |
| 213, 090 | Bell, Alexander G., Washington, D. C. Electric speaking-telephone | Mar. 11, 1879 | 389 | 108 | 15 | 355 |
| 220, 791 | Same ..... Telephone-circuit | Oct. 21, 1879 | 684 | 181 | 16 | 741 |
| 216, 643 | Bell, Azel H., Belle Plaine, Iowa. Churn-dasher | June 17, 1879 | 720 | 206 | 15 | 994 |
| 213, 315 | Bell, De Los F., Kokomo, Ind. Addressing-machine | Mar. 18, 1879 | 648 | 183 | 15 | 397 |
| 221, 717 | Bell, Henry, McGregor, Iowa. Centrifugal churn | Nov. 18, 1879 | 671 | 188 | 16 | 922 |
| | Bell, Henry G. (*See* Jones, Nathaniel, assignor) ..... (Reissue.) | | | | | |
| | Bell, H. L., *et al.* (*See* Lewis, Robert R., assignor.) | | | | | |
| 219, 062 | Bell, James, Washington, D. C. Bill-file | Sept. 2, 1879 | 6 | 2 | 16 | 413 |
| 222, 002 | Bell, James P., Pleasant Grove, Ga. Hame-fastener | Nov. 25, 1879 | 1019 | 285 | 16 | 978 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 221,502 | Bell, Peter A., Grand Ledge, Mich. Composite roofing | Nov. 11, 1879 | 428 | ..... | 16 | 879 |
| 218,155 | Bell, Ralph P., Fort Dodge, Iowa. Watchmaker's lathe-chuck | Aug. 5, 1879 | 58 | 16 | 16 | 228 |
| 223,100 | Bell, William H., Baltimore, Md. Cartridge-holder | Dec. 30, 1879 | 1158 | 326 | 16 | 1209 |
| 223,101 | Same.....Revolving fire-arm | Dec. 30, 1879 | 1159 | 327 | 16 | 1210 |
| | Bellah, William N. (*See* Wood & Bellah.) | | | | | |
| 217,980 | Bellinger, John N., Winona, Miss. Churn-power mechanism | July 29, 1879 | 1201 | 345 | 16 | 195 |
| 220,214 | Bellows, Frederick, jr., New York, N. Y. Folding child's carriage | Oct. 7, 1879 | 3 | 1 | 16 | 635 |
| 215,787 | Belt, Jared E., Saint Paul, Minn., assignor to M. I. Belt. Bran-package | May 27, 1879 | 938 | 275 | 15 | 846 |
| | Belt, Mary I. (*See* Belt, Jared E., assignor.) | | | | | |
| 222,651 | Belt, William L., Washington, D. C. Whiffletree-hook | Dec. 16, 1879 | 637 | 182 | 16 | 1116 |
| | Beltzhoover, M. W., *et al.* (*See* Matthews, John, assignor.) | | | | | |
| 212,648 | Bemelmans, Leon, Kanawha Court-House, W. Va. Salt-drying apparatus | Feb. 25, 1879 | 981 | 272 | 15 | 267 |
| 212,649 | Same.....Process and apparatus for washing common salt | Feb. 25, 1879 | 981 | 272 | 15 | 267 |
| 213,381 | Same.....Process and apparatus for separating common salt from its solution | Mar. 18, 1879 | 714 | 200 | 15 | 406 |
| 214,086 | Same.....Coke-oven | Apr. 8, 1879 | 430 | 121 | 15 | 534 |
| 212,429 | Bement, Arthur O., Lansing, Mich. Plow attachment | Feb. 18, 1879 | 711 | 196 | 15 | 223 |
| 211,214 | Bement, Ernest M., assignor of one-half interest to J. F. Baker, New York, N. Y. Street-car heater | Jan. 7, 1879 | 147 | 44 | 15 | 20 |
| | Bemis, Austin. (*See* Russell & Bemis.) | | | | | |
| 216,254 | Bender, Jacob F., Lancaster, Pa. Tire-bending machine | June 10, 1879 | 275 | 81 | 15 | 927 |
| 218,218 | Bender, Matthias, Mohicanville, Ohio. Device for filling graves | Aug. 5, 1879 | 127 | 34 | 16 | 237 |
| 222,230 | Bendix, George E., Brooklyn, N. Y. Deadening noise on elevated railways | Dec. 2, 1879 | 130 | 32 | 16 | 1026 |
| 8,637 | Béné, John, Brooklyn, N. Y. Treatment of hair .....(Reissue) | Mar. 25, 1879 | 1094 | ..... | 15 | 463 |
| | Benedict & Burnham Manufacturing Company. (*See* Hallas, James G., assignor.) | | | | | |
| | Benedict, George W. (*See* Gage & Benedict.) | | | | | |
| 221,503 | Benedict, Heman A., assignor to T. W. Meacham, Syracuse, N. Y. Corner-iron for billiard-tables | Nov. 11, 1879 | 428 | 116 | 16 | 879 |
| 219,436 | Beneke, Gustav, assignor of one-half interest to W. Beneke, New York, N. Y. Button-gaiter | Sept. 9, 1879 | 445 | 124 | 16 | 476 |
| | Beneke, William. (*See* Beneke, Gustav, assignor.) | | | | | |
| | Benham, John, *et al.* (*See* White, Hugh, assignor.) .....(Reissue.) | | | | | |
| 217,047 | Benjamin, Albion P., assignor to Benjamin & Allen, West Waterville, Me. Horse-power | July 1, 1879 | 134 | 40 | 16 | 20 |
| | Benjamin & Allen. (*See* Benjamin, Albion P., assignor.) | | | | | |
| 211,546 | Benjamin, Erastus M., San Francisco, Cal. Step-ladder | Jan. 21, 1879 | 548 | 155 | 15 | 73 |
| | Benjamin, Harvey P. (*See* Badger & Benjamin.) | | | | | |
| | Same.....(*See* Badger & Benjamin, assignors) .....(Reissue.) | | | | | |
| 211,081 | Bennett, Allan T., assignor of one-half interest to A. P. White, Chicago, Ill. Open fire-place stove | Jan. 7, 1879 | 3 | 1, 2 | 15 | 1 |
| 211,082 | Same.....Feeding air to furnaces | Jan. 7, 1879 | 5 | 2 | 15 | 1 |
| | Bennett, Allen, *et al.* (*See* Dickey, William H., assignor.) | | | | | |
| 223,102 | Bennett, Cornelius, and P. Burnham, Silver City, N, Mex. Ore-separator | Dec. 30, 1879 | 1161 | 327 | 16 | 1210 |
| | Bennett, Edward C. (*See* Neary, Edward, assignor.) | | | | | |
| 211,955 | Bennett, Edwin, Baltimore, Md. Roofing-tile | Feb. 4, 1879 | 154 | 44 | 15 | 146 |
| 221,905 | Bennett, Erastus S., Denver, Colo. Machine for extracting gold from auriferous deposits | Nov. 25, 1879 | 909 | 254 | 16 | 964 |
| 211,215 | Bennett, Ethan O., Brighton, Iowa. Washing-machine | Jan. 7, 1879 | 148 | 45 | 15 | 20 |
| 221,766 | Bennett, George H., Leavenworth, Kans. Apparatus for raising water | Nov. 18, 1879 | 724 | 202 | 16 | 929 |
| | Bennett, George S. (*See* Dickey, William H., assignor.) | | | | | |
| 211,127 | Bennett, George W., Garden Prairie, Ill. Hub for sleighs | Jan. 7, 1879 | 56 | 18 | 15 | 7 |
| 215,865 | Bennett, Israel, Johnston, R. I. Weather-strip | May 27, 1879 | 1033 | 301 | 15 | 857 |
| 214,805 | Bennett, John, Belleville, Ontario, Canada. Fanning-mill | Apr. 29, 1879 | 1284 | 359 | 15 | 668 |
| 219,437 | Bennett, John M. C., assignor of one-half interest to A. F. Weller, Lansing, Mich. Sewing-machine motor | Sept. 9, 1879 | 446 | 124 | 16 | 476 |
| 217,922 | Bennett, Jacob B., Lansing, Mich. Stenciling-pen | July 29, 1879 | 1145 | 327 | 16 | 188 |
| 211,316 | Bennett, Lewis J., Buffalo, N. Y. Disintegrating-mill | Jan. 14, 1879 | 292 | 87 | 15 | 33 |
| 212,430 | Bennett, Silas J., Harrison Township, Daviess County, Mo. Animal-trap | Feb. 18, 1879 | 711 | 197 | 15 | 223 |
| 217,507 | Bennett, Richard, Bentonville, Ark. Fruit parer and corer | July 15, 1879 | 657 | 187 | 16 | 107 |
| 211,691 | Bennett, Thomas G., assignor to Winchester Repeating Arms Company, New Haven, Conn. Charger for filling the magazines of guns | Jan. 28, 1879 | 733 | 204 | 15 | 101 |
| 220,569 | Bennett, Thomas O., Manchester, England. Wood-screw machine | Oct. 14, 1879 | 417 | 109 | 16 | 699 |
| | Bennett, William J. (*See* Funk & Bennett.) | | | | | |
| 217,195 | Bennum, George W., and C. M. Powers, assignors of one-third interest to E. R. Paynter, Georgetown, Del. Combination-tool | July 8, 1879 | 311 | 92 | 16 | 51 |
| 218,217 | Benoit, Fredrick, Rockton, Ill. Horse-collar pad | Aug. 5, 1879 | 126 | 34 | 16 | 237 |
| 216,502 | Bensel, Ludwig, Iserlohm, Prussia, Germany. Lock | June 17, 1879 | 568 | 163 | 15 | 973 |
| 211,083 | Bensinger, Moses, Chicago, Ill. Combined billiard and dining table | Jan. 7, 1879 | 6 | 2 | 15 | 1 |
| 217,506 | Benson, Benjamin S., Baltimore, Md. Traction-engine and steam-plow | July 15, 1879 | 654 | 186, 187 | 16 | 107 |
| 216,644 | Benson, Edward, assignor to self and S. Perry, Newport, and Jones, Faulkner & Co., Utica, N. Y. Wooden-box machine | June 17, 1879 | 720 | 206 | 15 | 994 |
| 215,084 | Benson, Edwin A., assignor to self and D. W. Rose, Detroit, Mich. Hydrant | May 6, 1879 | 114 | 34 | 15 | 717 |
| 217,256 | Benson, Henry C., assignor to J. Reckendorfer, New York, N. Y. Inkstand | July 8, 1879 | 375 | 111 | 16 | 60 |
| | Benson, Henry K. (*See* Benson, Samuel and H. K.) | | | | | |
| 212,431 | Benson, Joseph, Boston, Mass. Sash-fastener | Feb. 18, 1879 | 713 | 197 | 15 | 223 |
| 219,140 | Benson, Samuel and H. K., Bloomfield, N. J. Ornamenting metallic foils | Sept. 2, 1879 | 92 | ..... | 16 | 424 |
| | Bent, Edward. (*See* Lenau & Bent.) | | | | | |
| | Bent, Edward. (*See* Murray & Bent.) | | | | | |
| 218,108 | Bent, Roderick L., Gardiner, Mass. Child's table-chair | Aug. 5, 1879 | 2 | 1 | 16 | 221 |
| 214,087 | Benton, George H., New York, N. Y. Lubricator | Apr. 8, 1879 | 431 | 121 | 15 | 534 |
| 213,492 | Benton, John B., New York, N. Y. Liquor-register | Mar. 25, 1879 | 831 | 235 | 15 | 429 |
| 218,421 | Benton, John B., New York, assignor to Railway Register Manufacturing Company, Buffalo, N. Y. Fare-register | Aug. 12, 1879 | 362 | 99, 100 | 16 | 280 |
| 212,835 | Benton, John C., assignor of two-thirds interest to J. A. Blood and J. W. Orr, Santa Barbara, Cal. Insecticide | Mar. 4, 1879 | 65 | ..... | 15 | 306 |
| 214,872 | Benton, Thomas P., La Crosse, Wis. Diamond millstone-dressing machine | Apr. 29, 1879 | 1358 | 378 | 15 | 678 |
| 222,443 | Same.....Millstone-dressing machine | Dec. 9, 1879 | 369 | 105 | 16 | 1069 |
| | Bentzen, Edward. (*See* Von Binzer & Bentzen.) | | | | | |
| 221,767 | Benway, Eli W., C. M. Rouse, and J. M. Voss, Independence, Kans. Riding harrow and roller | Nov. 18, 1879 | 725 | 202 | 16 | 930 |
| 216,822 | Benz, Charles F., Boston. Mass. Potato-digger | June 24, 1879 | 939 | 267, 268 | 15 | 1032 |
| 214,873 | Benz, Gottlieb, assignor to A. Wetter and C. A. Locher, Lancaster; said Wetter and Locher assignors of one-third interest to J. L. Potts, Coatesville, Pa. Manufacture of belting and lace leather | Apr. 29, 1879 | 1359 | 378 | 15 | 678 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Benzinger, Friederich, *et al.* (*See* Rettig, George, assignor).....(Reissue.) | | | | | |
| 220, 792 | Berdan, Hiram, New York, N. Y. Time and distance fuse for shells | Oct. 21, 1879 | 686 | 182 | 16 | 742 |
| 211, 128 | Bergen, Garret, Brooklyn, N. Y. Calendar | Jan. 7, 1879 | 56 | 18 | 15 | 8 |
| 212, 176 | Berger, August, Hartford, Conn. Artificial leech | Feb. 11, 1879 | 408 | 111 | 15 | 180 |
| 212, 177 | Same.....Syringe attachment | Feb. 11, 1879 | 409 | 111 | 15 | 180 |
| 215, 314 | Berger, Henry L., assignor of one-half interest to P. Rye, Moscow, Miss. Rotary steam-engine | May 13, 1879 | 406 | 120 | 15 | 757 |
| | Berger, Levi. (*See* Berger, William H. and L.) | | | | | |
| 220, 515 | Berger, William H. and L., Philadelphia, Pa. Eave-trough iron | Oct. 14, 1879 | 349 | 92 | 16 | 691 |
| | Bergman, Frank A. (*See* Mason & Bergman.) | | | | | |
| 217, 724 | Bergman, Peter, Platte Precinct, Nebr. Windmill | July 22, 1879 | 917 | 263 | 16 | 151 |
| 215, 557 | Bergersan, Peder, Cheyenne, Wyo. Magazine fire-arm | May 20, 1879 | 682 | 200 | 15 | 803 |
| 215, 203 | Bering, James E., Decatur, O. Colborne, Chicago, and R. B. Richmond, Macon County, assignors to Chambers, Bering & Quinlan, Decatur, Ill. Corn-planter | May 13, 1879 | 271 | 80 | 15 | 739 |
| | Berkeley, William N. (*See* Dows & Berkeley.) | | | | | |
| | Berkey & Gay Furniture Company. (*See* Koskul, Frederick, assignor.) | | | | | |
| 222, 652 | Berliner, Emile, Boston, Mass. Electrical-contact telephone | Dec. 16, 1879 | 638 | 183 | 16 | 1116 |
| 212, 432 | Bernard, William B., Sacramento, Cal., and J. D. Perkins, Elyria, Ohio; said Bernard assignor to said Perkins. Railway-crossing | Feb. 18, 1879 | 714 | 197, 198 | 15 | 224 |
| 221, 148 | Bernhardt, Charles, assignor of one-third interest to H. Heubach, Brooklyn, N. Y. Combined accordeon and flute | Nov. 4, 1879 | 9 | 2, 3 | 16 | 813 |
| 217, 056 | Bernhardt, Ernst, Cincinnati, Ohio, assignor of one-half interest to M. Cerf, Louisville, Ky. Sash-holder | July 1, 1879 | 146 | 43 | 16 | 21 |
| 223, 025 | Berrell, George B., Abington, Pa. Life-boat | Dec. 30, 1879 | 1067 | 305 | 16 | 1198 |
| 213, 732 | Berrien, Leonard B., Galesburg, Ill. Check-rower for corn-planters | Apr. 1, 1879 | 4 | 2 | 15 | 473 |
| 220, 118 | Berry, Eliphalet N., Money Creek, Minn. Spark-arrester | Sept. 30, 1879 | 1232 | 339 | 16 | 609 |
| 222, 444 | Berry, Henry, Huntington, assignor to Derby Silver Company, Derby, Conn. Pitcher. | Dec. 9, 1879 | 370 | 105 | 16 | 1069 |
| 219, 201 | Berry, William E., Williamsport, Pa. Ironing-board | Sept. 23, 1879 | 970 | 269 | 16 | 565 |
| 222, 231 | Berry, William H., Chester, Pa. Grain-binder | Dec. 2, 1879 | 131 | 33, 34 | 16 | 1026 |
| 212, 534 | Berry, William T., Maysville, Ky. Sewing-machine needle | Feb. 25, 1879 | 860 | 238 | 15 | 251 |
| 211, 454 | Berryhill, Andrew J., James County, Tenn. Mowing-machine | Jan. 21, 1879 | 450 | 127 | 15 | 61 |
| 223, 103 | Berstler, John A., Coatesville, Pa. Paper-cutter | Dec. 30, 1879 | 1163 | 327 | 16 | 1210 |
| | Besse, Allen, *et al.* (*See* Bayliff & Harrod, assignors.) | | | | | |
| | Same.....(*See* Lawson, John J., assignor.) | | | | | |
| 216, 370 | Best, Charles E., assignor of one-half interest to C. T. Phillips, Jordan, N. Y. Gun-lock | June 10, 1879 | 417 | 119 | 15 | 944 |
| 219, 201 | Bethke, William F., Peru, Ill. Washing-machine | Sept. 2, 1879 | 155 | 47 | 16 | 432 |
| 212, 886 | Betjemann, George, G. W., and J., London, England. Stand for decanters, bottles, and jars | Mar. 4, 1879 | 133 | 38 | 15 | 313 |
| | Betjemann, George W. (*See* Betjemann, George, G. W., and J.) | | | | | |
| | Betjemann, John. (*See* Betjemann, George, G. W., and J.) | | | | | |
| 219, 381 | Bettendorf, William P., Peru, Ill. Cultivator and plow | Sept. 9, 1879 | 381 | 107 | 16 | 468 |
| 215, 558 | Bettice, Myers S., Attica, Ind. Hame-tug loop | May 20, 1879 | 684 | 201 | 15 | 804 |
| 217, 321 | Bettice, Myers S., assignor of one-half interest to O. S. Tullis, Attica, Ind. Hame-tug loop | July 8, 1879 | 440 | 129 | 16 | 68 |
| 218, 917 | Betts, Lewis F., assignor of one-half interest to J. S. Dennis and H. H. Wheeler, Chicago, Ill. Tubular lamp | Aug. 26, 1879 | 965 | 271 | 16 | 381 |
| | Betts Machine Company. (*See* Richards, George, assignor.) | | | | | |
| 213, 091 | Betts, William H., Plainfield, N. J. Window-screen | Mar. 11, 1879 | 392 | 108 | 15 | 355 |
| 213, 032 | Betts, William M., San Francisco, Cal. Buffer-spring | Mar. 11, 1879 | 317 | 89 | 15 | 346 |
| 214, 874 | Beugnies, Hubert J., Boston, Mass. Bracelet | Apr. 29, 1879 | 1360 | 378 | 15 | 678 |
| | Bevan, Samuel. (*See* Gates, Reuben, assignor).....(Reissue.) | | | | | |
| 215, 315 | Bevans, Charles A., New Haven, Conn. Steam-valve | May 13, 1879 | 408 | 121 | 15 | 757 |
| | Bevelander, Benjamin. (*See* Miner & Bevelander.) | | | | | |
| | Beverly, Ambrose S., *et al.* (*See* Wallace, Thomas, assignor.) | | | | | |
| | Beveridge, David F. (*See* Webb & Beveridge.) | | | | | |
| 215, 559 | Bevin, Abner A., East Hampton, Conn. Sleigh-bell strap | May 20, 1879 | 684 | 201 | 15 | 804 |
| 222, 445 | Bevis, George W., Centre Point, Ind. Corn-planter | Dec. 9, 1879 | 371 | 105 | 16 | 1069 |
| | Bibb, Bentley C. (*See* Collins, John W., assignor.).....(Reissue.) | | | | | |
| 212, 650 | Bible, Daniel P., New York, N. Y. Galvanic body-wear | Feb. 25, 1879 | 983 | 273 | 15 | 268 |
| 213, 613 | Bichers, Garnett R., Farmville, Va. Pen-holder | Mar. 25, 1879 | 964 | 273 | 15 | 445 |
| 218, 219 | Bickel, Charles, Evansville, Ind. Combined trunk and wardrobe | Aug. 5, 1879 | 127 | 35 | 16 | 237 |
| 219, 063 | Bickelhoupt, Adam and G., New York, N. Y. Skylight-bar | Sept. 2, 1879 | 6 | 2 | 16 | 413 |
| | Bickelhoupt, George. (*See* Bickelhoupt, Adam and G.) | | | | | |
| 213, 801 | Bickerman, Theodore, Henry, Ill. Windmill | Apr. 1, 1879 | 77 | 24 | 15 | 482 |
| 213, 276 | Bickford, Dana, New York, N. Y. Portable pump or engine | Mar. 18, 1879 | 606 | 171 | 15 | 391 |
| | Bickham, Yeatman. (*See* Metcalf, Elliott, assignor.) | | | | | |
| | Bicknell, James W. (*See* Carr & Bicknell.) | | | | | |
| 214, 610 | Bidelman, Abram J., Columbus, Ohio. Horseshoe | Apr. 22, 1879 | 1056 | 296 | 15 | 631 |
| 213, 162 | Bidelman, Robert M., assignor to self and A. Wheeler, Adrian, Mich. Nail-driving machine | Mar. 11, 1879 | 476 | 132 | 15 | 366 |
| 221, 149 | Bidwell, Carl H., and J. R. Linen, Buffalo, N. Y. Scale-beam | Nov. 4, 1879 | 12 | 3 | 16 | 814 |
| 217, 048 | Bielefeld, Frank G., H. A. Eibach, and H. Vogel, Chicago, Ill.; said Bielefeld and Vogel assignors to said Eibach. Chuck attachment for lathes | July 1, 1879 | 135 | 40 | 16 | 20 |
| | Bierbauer, Jacob. (*See* Reimers & Bierbauer.) | | | | | |
| | Biernatzki, Stanislaw. (*See* Steib, Martin, assignor.) | | | | | |
| 216, 550 | Biersach, Louis D., Milwaukee, Wis. Swimmer for cooling beer | June 17, 1879 | 618 | 175 | 15 | 980 |
| 211, 956 | Bigelow, Charles D., Brooklyn, N. Y., assignor to National Plow Shoe Company, New Haven, Conn. Plow-shoe | Feb. 4, 1879 | 155 | 44 | 15 | 146 |
| 223, 026 | Bigelow, Charles E., Brooklyn, N. Y., assignor to Metallic Heel Stiffening Company, Hartford, Conn. Metallic counter-support | Dec. 30, 1879 | 1069 | 305 | 16 | 1198 |
| 215, 560 | Bigelow, Everett W., Boston, Mass. Corset | May 20, 1879 | 685 | 201 | 15 | 804 |
| | Bigelow, Horace H. (*See* Stirckler, Albert E., assignor.) | | | | | |
| 211, 547 | Bigelow, John, Philadelphia, Pa. Attaching sweat-leathers to hat-bodies | Jan. 21, 1879 | 549 | 155, 156 | 15 | 73 |
| 214, 354 | Same.....Sewing-machine | Apr. 15, 1879 | 754 | 210, 211 | 15 | 585 |
| 218, 220 | Same.....Sweat for hats and caps | Aug. 5, 1879 | 128 | 35 | 16 | 238 |
| 219, 438 | Bigelow, Levi H., Fremont Centre, Mich. Device for setting, jointing, and gaging saw-teeth | Sept. 9, 1879 | 447 | 124 | 16 | 477 |
| 217, 981 | Bigelow, Lyman G., Detroit, Mich. Photo-mechanical printing | July 29, 1879 | 1202 | ..... | 16 | 195 |
| | Biggs, Henry, *et al.* (*See* Richardson, Lorenzo H., assignor.) | | | | | |
| 223, 104 | Bignall, Moses C., Saint Louis Mo. Chain-pump bucket | Dec. 30, 1879 | 1163 | 328 | 16 | 1210 |
| 215, 502 | Bikle, Charles A., Hagerstown, Md. Bag-holder | May 20, 1879 | 621 | 182 | 15 | 795 |
| 212, 298 | Billings, Charles E., Hartford, Conn. Wrench | Feb. 18, 1879 | 554 | 155 | 15 | 203 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 215, 039 | Billings, Charles E., Hartford, Conn. Tap-wrench | May 6, 1879 | 61 | 19 | 15 | 710 |
| 218, 707 | Billings, Charles H., and M. J. Maxwell, assignors of one-third interest to W. W. Bostwick, Cincinnati, Ohio. Mechanical telephone | Aug. 19, 1879 | 697 | 198 | 16 | 334 |
| | Billings, Coburn & Co. (*See* Stevens, John L., assignor.) | | | | | |
| 213, 966 | Billings, Frank, Cleveland, Ohio. Machine for making barbed fence-wire | Apr. 8, 1879 | 269 | 77, 78 | 15 | 515 |
| | Billingsley, G. E., *et al.* (*See* Savill, Edward, assignor.) | | | | | |
| | Bilyeu, Thomas H. (*See* Nicholls & Bilyeu.) | | | | | |
| 216, 551 | Bilz, John A., Pleasanton, Cal. Fifth-wheel for vehicles | June 17, 1879 | 619 | 176 | 15 | 980 |
| 216, 718 | Binder, John E., Saint Louis, Mo. Folding lounge | June 24, 1879 | 818 | 234 | 15 | 1017 |
| 217, 843 | Binga, M. William, Cincinnati, assignor of one-half interest to H. L. Morey, Hamilton, Ohio. Street-sprinkling apparatus | July 22, 1879 | 1043 | 298 | 16 | 167 |
| | Bingham, Charles F. (*See* Mann, George E., assignor.) | | | | | |
| 211, 692 | Bingham, John E., Sheffield, England. Handle for tea and coffee pots | Jan. 28, 1879 | 734 | 204 | 15 | 101 |
| 213, 034 | Bingham, Osmore A., Keene, N. H. Bracket | Mar. 11, 1879 | 319 | 89 | 15 | 346 |
| 213, 033 | Bingham, Thomas R., Pittsburg, Pa. Gage-cock | Mar. 11, 1879 | 318 | 89 | 15 | 346 |
| | Bingham, Tracy F. (*See* Hetherington & Bingham.) | | | | | |
| 218, 475 | Bingman, Samuel H., Laurelton, Pa. Stove | Aug. 12. 1879 | 433 | 120, 121 | 16 | 289 |
| 214, 547 | Bink, Anthony, San Francisco, Cal. Carriage | Apr. 22, 1879 | 987 | 278 | 15 | 623 |
| 219, 844 | Binkard, Thomas S., assignor of one-half interest to L. C. Hovey, Urbana, Ohio. Invalid-chair | Sept. 23, 1879 | 911 | 251 | 16 | 556 |
| | Binkert, Gustavus A. (*See* Hegi, Ludwig G., assignor.) | | | | | |
| 222, 981 | Binns, George, jr., Brooklyn, N. Y. Pulp-tube machine | Dec. 30, 1879 | 1016 | 291 | 16 | 1191 |
| 221, 389 | Birch, John S., Orange, N. J. Egg-holder | Nov. 11, 1879 | 296 | 81 | 16 | 862 |
| 222, 857 | Birch, William, Salford, Lancaster County, Great Britain. Machinery for guiding and stretching fabrics | Dec. 23, 1879 | 875 | 251 | 16 | 1160 |
| 217, 574 | Birchall, John H., and J. Parton, Allentown, Pa. Steam-heater | July 15, 1879 | 730 | 208, 209 | 16 | 117 |
| 218, 363 | Bird, Bernard, Buffalo, N. Y. Coupling device for lines, &c | Aug. 12, 1879 | 299 | 82 | 16 | 271 |
| 215, 316 | Bird, Peter E., Jenkintown, Pa. Combined kitchen utensil | May 13, 1879 | 409 | 121 | 15 | 757 |
| 220, 793 | Same.....Clothes-line reel | Oct. 21, 1879 | 688 | 182 | 16 | 742 |
| 221, 276 | Birdsall, Nelson, Ashland, Va. Combined seed-planter and fertilizer-distributer | Nov. 4, 1879 | 149 | 41 | 16 | 833 |
| 8, 638 | Birdsell, John C., South Bend, Ind. Machine for thrashing, hulling, and cleaning clover-seed (Reissue) | Mar. 25, 1879 | 1095 | 311 | 15 | 463 |
| 8, 973 | Birkenhead, John, Mansfield, Mass. Spinning-ring and mechanism for adjusting the same (Reissue) | Nov. 18, 1879 | 897 | 250 | 16 | 953 |
| 214, 749 | Same.....Yarn-guide support for ring-spinning frames | Apr. 29, 1879 | 1215 | 341 | 15 | 659 |
| 214, 750 | Same.....Spinning-spindles and their supports | Apr. 29, 1879 | 1216 | 342 | 15 | 660 |
| 219, 613 | Same.....Ring-and-traveler spinning-frame | Sept. 16, 1879 | 636 | 177 | 16 | 510 |
| | Birks, George. (*See* Birks, John, assignor.) | | | | | |
| 212, 786 | Birks, John, Ogdensburg, N. Y., assignor to G. Birks, Prescott, Canada. Weighing-scoop | Mar. 4, 1879 | 7 | 2 | 15 | 298 |
| 221, 277 | Birnbaum, Bonheim, New York, N. Y. Manufacture of window-shade cloth | Nov. 4, 1879 | 151 | 41 | 16 | 833 |
| | Birnbaum, George J. (*See* Wilson, Birnbaum & Hanks.) | | | | | |
| 218, 221 | Bisbee, Wisner B., assignor of one-half interest to F. Taylor, Lowell, Mass. Weft-fork | Aug. 5, 1879 | 129 | 35 | 16 | 238 |
| 223, 105 | Bischoff, Anton, New York, N. Y. Guard-railing for windows | Dec. 30, 1879 | 1164 | 328 | 16 | 1210 |
| 215, 561 | Bishop, Charles C., assignor of one-half interest to J. A. Bishop, Nashville, Tenn. Spring-raiser for wagons | May 20, 1879 | 686 | 201 | 15 | 804 |
| 221, 390 | Bishop, Francis A., San Francisco, Cal. Piston for hydraulic and other cylinders | Nov. 11, 1879 | 297 | 81 | 16 | 862 |
| 222, 769 | Same.....Mechanical movement | Dec. 23, 1879 | 766 | 221 | 16 | 1145 |
| 214, 018 | Bishop, John J., Elizabethtown, Ind. Self-closing faucet and measuring attachment | Apr. 8, 1879 | 330 | 95 | 15 | 523 |
| 221, 504 | Bishop, John W., New Haven, Conn. Automatic fire-extinguisher | Nov. 11, 1879 | 429 | 116 | 16 | 879 |
| | Bishop, Joseph A. (*See* Bishop, Charles C., assignor.) | | | | | |
| 216, 823 | Bishop, Thomas T., assignor of one-half interest to J. D. Bond, Washington, D. C. Water purifier and elevator | June 24, 1879 | 941 | 268 | 15 | 1032 |
| | Bissell, Frank S. (*See* Born, George J., assignor.) | | | | | |
| 211, 492 | Bissell, Frank S., Pittsburg, Pa. Broiler attachment for stoves, ranges, &c | Jan. 21, 1879 | 487 | 138 | 15 | 65 |
| 220, 794 | Bissell, Henri E., Hartford, Conn. Remedy for catarrh | Oct. 21, 1879 | 688 | ..... | 16 | 742 |
| 8, 940 | Bissell, Thomas A., Detroit, Mich. Car-axle box (Reissue) | Oct. 21, 1879 | 811 | 217 | 16 | 759 |
| 221, 278 | Same.....same | Nov. 4, 1879 | 152 | 41 | 16 | 834 |
| 217, 322 | Bissell, Melville R., Grand Rapids, Mich. Carpet-sweeper | July 8, 1879 | 440 | 130 | 16 | 68 |
| 217, 854 | Same.....same | July 29, 1879 | 1066 | 306 | 16 | 177 |
| | Bissett, Anthony T., *et al.* (*See* Armstead, Tasnill B., assignor.) | | | | | |
| 219, 675 | Bisson, Casimir H., Henderson, Minn. Pendant for watch-cases | Sept. 16, 1879 | 715 | 198 | 16 | 520 |
| | Bithorn, Charles H. (*See* Bonvier, Edmond, assignor.) | | | | | |
| | Bitner, Abraham. (*See* Moseley & Bitner.) | | | | | |
| 213, 382 | Bitner, Cyrus C., Spenceville, Cal. Apparatus for obtaining metallic copper from its solution | Mar. 18, 1879 | 716 | 201 | 15 | 406 |
| 218, 657 | Bitner, Eli, and H. A. Gentzel, Bellefonte, Pa. Thrashing-machine | Aug. 19, 1879 | 646 | 182 | 16 | 327 |
| | Bitting, M. B., *et al.* (*See* Livengood, Peter, assignor.) | | | | | |
| | Bixby, Abel J. (*See* Follett, Edward P., assignor.) | | | | | |
| 216, 503 | Black, Abner, Eaton Rapids, Mich. Shoe | June 17, 1879 | 569 | 163 | 15 | 974 |
| | Black, Charles A. (*See* Black, Stephen S. and C. A.) | | | | | |
| 212, 433 | Black, George, Hamilton, and A. M. Rosebrugh, Toronto, Ontario, Canada. Electric telephony | Feb. 18, 1879 | 715 | 198 | 15 | 224 |
| | Black, John. (*See* White, John B., assignor.) | | | | | |
| 220, 013 | Black, John Q., Lone Rock, Wis. Horse-collar | Sept. 30, 1879 | 1101 | 305 | 16 | 591 |
| 213, 614 | Black, Joseph P., and T. Pates, Alton, Ill., assignors to Hapgood & Co., Saint Louis, Mo. Sulky-plow | Mar. 25, 1879 | 965 | 274 | 15 | 445 |
| 223, 106 | Black, Joseph W., Philadelphia, Pa. Canning hams | Dec. 30, 1879 | 1166 | ..... | 16 | 1210 |
| 219, 678 | Black, Josiah, Oakland, assignor of one-half interest to C. Park, San Francisco, Cal. Lath-sawing machine | Sept. 16, 1879 | 717 | 199 | 16 | 520 |
| 213, 316 | Black, Levi, and R. D. McManigal, Logan, Ohio. Barrel-cover | Mar. 18, 1879 | 649 | 183, 184 | 15 | 397 |
| 214, 611 | Black, Stephen S., Fredericton, New Brunswick, and C. A. Black, Chicago, Ill. Machine for trimming the sole-edges of boots and shoes | Apr. 22, 1879 | 1056 | 296 | 15 | 631 |
| 214, 751 | Black, Willard P., Petrolia, Pa. Apparatus for drawing valves from oil-well pumps | Apr. 29, 1879 | 1218 | 342 | 15 | 660 |
| | Blackall, R. C., *et al.* (*See* Putnam, George W., assignor.) | | | | | |
| 219, 676 | Blackburn, Joseph S., and S. G. Brosius, Beloit, Ohio. Lifting-jack | Sept. 16, 1879 | 716 | 198 | 16 | 520 |
| 220, 215 | Blackhall, Edward W., Toronto, Ontario, Canada, assignor to C. V. Kasson, Buffalo, N. Y. Pulley-fastener | Oct. 7, 1879 | 4 | 1 | 16 | 635 |
| 222, 174 | Blacknall, Edward W., assignor of one-fourth interest to J. Y. Reid, Toronto, Ontario, Canada. Paper-ruling machine | Dec. 2, 1879 | 65 | 15 | 16 | 1017 |
| 219, 902 | Blackhart, John W., Wells' Tannery, Pa. Hay-fork | Sept. 23, 1879 | 971 | 269 | 16 | 565 |
| | Blacklock, Allan R. (*See* Chambers, James W., assignor) (Reissue.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 215, 867 | Blackman, Ebenezer, Brooklyn, N. Y., assignor of one-half interest to A. H. Byington, Norwalk, Conn. Lamp | May 27, 1879 | 1035 | 302 | 15 | 857 |
| 8, 990 | Blackman, Ebenezer, Brooklyn, N. Y., assignor, by mesne assignments, to self and A. H. Byington, Norwalk, Conn. Base for lamp-globes (Reissue) | Dec. 9, 1879 | 523 | 147 | 16 | 1089 |
| 212, 348 | Blackman, Harlan P., assignor of one-half interest to C. S. Greene, Philadelphia, Pa. Wardrobe-bedstead | Feb. 18, 1879 | 614 | 172 | 15 | 210 |
| 214, 806 | Blackmore, Charles R., Lynn, Mass. Steam-radiator | Apr. 29, 1879 | 1285 | 359, 360 | 15 | 668 |
| | Blackwell, Thomas F., *et al.* (*See* Henderson, James, assignor.) | | | | | |
| | Blackwell, William. (*See* Blackwell, William J., assignor.) | | | | | |
| 215, 866 | Blackwell, William J., assignor to W. Blackwell, Waynesborough, Va. Canceling and dating stamp | May 27, 1879 | 1034 | 302 | 15 | 857 |
| 216, 824 | Same .....Millstone-driver | June 24, 1879 | 942 | 268 | 15 | 1032 |
| 213, 967 | Blackwood, Alexander, Boston, Mass, Lock-strike | Apr. 8, 1879 | 271 | 78 | 15 | 516 |
| 213, 163 | Bladen, John T., Brooklyn, N. Y. Sink-trap | Mar. 11, 1879 | 479 | 132 | 15 | 366 |
| 216, 595 | Blaikley, David J., Islington, Middlesex County, England. Cornet | June 17, 1879 | 674 | 192 | 15 | 988 |
| 213, 802 | Blain, William M., Salinas, Cal. Gag-runner for harness | Apr. 1, 1879 | 78 | 25 | 15 | 483 |
| 223, 028 | Same.....Check-hook | Dec. 30, 1879 | 1070 | 305 | 16 | 1199 |
| | Blair, Charles W. (*See* Blair, Erastus W. and C. W.) | | | | | |
| 213, 861 | Blair, Erastus W. and C. W., Columbus, Ohio. Furnace | Apr. 1, 1879 | 144 | 42, 43 | 15 | 491 |
| 216, 933 | Blair, Milton S., Warsaw, Iowa. Harrow | July 1, 1879 | 6 | 2 | 16 | 3 |
| 211, 957 | Blair, Thomas H., Franklin, Mass. Photographic apparatus | Feb. 4, 1879 | 156 | 45 | 15 | 146 |
| | Blair, Thomas S. (*See* Cary & Blair.) | | | | | |
| | Blaisdell, James. (*See* Galt & Blaisdell.) | | | | | |
| 8, 732 | Blaisdell, William S., and C. K. Young, Factory Point, Vt., assignors to J. T. Mercer and A. L. Barron, Bellaire, Ohio. Lamp (Reissue) | June 3, 1879 | 258 | 77 | 15 | 917 |
| 218, 853 | Blake, Andrew M., Canton, Ohio, assignor of one-half interest to L. Raynolds, Burlington, Iowa. Rail-chair | Aug. 26, 1879 | 895 | 250 | 16 | 370 |
| | Blake Crusher Company. (*See* Partz, August F. W., assignor) (Reissue.) | | | | | |
| | Blake, Frank, *et al.* (*See* Lettenmyer, George, assignor.) | | | | | |
| 8, 585 | Blake, George F., Boston, Mass., assignor to G. F. Blake Manufacturing Company. Duplex pumping-engine (Reissue) | Feb. 18, 1879 | 844 | 234 | 15 | 241 |
| 213, 615 | Blake, George F., Boston, Mass. Compound steam pumping-engine | Mar. 25, 1879 | 967 | 274 | 15 | 446 |
| | Blake, Lyman R. (*See* McKay & Blake.) (Reissue.) | | | | | |
| 217, 324 | Blake, Lyman R., Boston, Mass. Boot and shoe nailing machine | July 8, 1879 | 442 | 130 | 16 | 68 |
| | Blake Manufacturing Company, George F. (*See* Blake, George F., assignor.) (Reissue.) | | | | | |
| 217, 323 | Blake, Norman N., Johnsonville, Ill. Fence | July 8, 1879 | 441 | 130 | 16 | 68 |
| 211, 317 | Blake, Richard C., assignor to Blake Steam Gauge Company, Hamilton, Ohio. Pressure-gage | Jan. 14, 1879 | 294 | 87 | 15 | 39 |
| | Blake, Robert, *et al.* (*See* Angell, Albert, assignor.) | | | | | |
| | Blake Steam-Gauge Company. (*See* Blake, Richard C., assignor.) | | | | | |
| 221, 768 | Blake, Theodore A., New Haven, Conn. Stone-crusher | Nov. 18, 1879 | 726 | 202 | 16 | 930 |
| | Blake, W. B., *et al.* (*See* McCormick, Thomas D., assignor.) | | | | | |
| 218, 156 | Blake, William S., Boston, Mass. Clamp for chandelier-tubes | Aug. 5, 1879 | 59 | 16 | 16 | 228 |
| 219, 677 | Blakeman, Henry, Jefferson City, Mont. Safety-hook | Sept. 16, 1879 | 717 | 199 | 16 | 520 |
| 219, 141 | Blakeman, William N., jr., New York, N. Y. Composition for bed-stuffing | Sept. 2, 1879 | 93 | ..... | 16 | 424 |
| 219, 142 | Same.....Treating bed, cushion, and like stuffings and carpet-linings | Sept. 2, 1879 | 94 | ..... | 16 | 425 |
| | Blakeslee, Charles S. (*See* Coombs & Blakeslee.) | | | | | |
| 219, 202 | Blancard, Christian, Jersey City Heights, N. J. Die for manufacturing jeweler's settings | Sept. 2, 1879 | 156 | 47 | 16 | 432 |
| 211, 958 | Blanchard, Albert D., Hutchinson, Kans. Wheel-plow | Feb. 4, 1879 | 158 | 45 | 15 | 147 |
| 223, 027 | Blanchard, Alfred, Chelsea, Mass. Wick-trimmer | Dec. 30, 1879 | 1069 | 305 | 16 | 1198 |
| 222, 375 | Blanchard, Dudley, assignor to self and J. H. O'Rourke, Brooklyn, N. Y. Turn-bridge and turn-table | Dec. 9, 1879 | 292 | 81 | 16 | 1059 |
| 217, 982 | Blanchard, George A., Concord, N. H. Butter-worker | July 29, 1879 | 1202 | 345 | 16 | 195 |
| 216, 016 | Bland, Henry, Luton, Bedford County, England, assignor to Willcox & Gibbs Sewing-Machine Company, New York, N. Y. Sewing-machine | June 3, 1879 | 7 | 2, 3 | 15 | 885 |
| 221, 505 | Same.....Machine for sewing straw braids | Nov. 11, 1879 | 430 | 117 | 16 | 880 |
| 8, 706 | Blaney, Elias, Marblehead, assignor, by mesne assignments, to Salem Manufacturing Company, Salem, Mass. Machine for shaping the soles of boots and shoes (Reissue.) | May 13, 1879 | 515 | 152 | 15 | 772 |
| 218, 157 | Blaney, William H., Attleborough, Mass. Button and stud | Aug. 5, 1879 | 60 | 16 | 16 | 228 |
| | Blankenstein, Julius. (*See* Schwarz & Spohr, assignors.) | | | | | |
| 220, 795 | Blatt, Charles P., assignor to self and J. F. Wagner, Elizabeth, N. J. Aerator and refrigerator for beer and other liquids | Oct. 21, 1879 | 689 | 182 | 16 | 742 |
| 216, 304 | Blattner, Henry, and F. Adam, Saint Louis, Mo. Hydrometer | June 10, 1879 | 336 | 99 | 15 | 934 |
| 217, 855 | Blavier, Clovis P., Paris, France. Rattan-cutter | July 29, 1879 | 1067 | 306 | 16 | 177 |
| 219, 439 | Blend, Lyman H., Oneonta, N. Y. Passive-motion walking-machine | Sept. 9, 1879 | 448 | 125 | 16 | 477 |
| 221, 506 | Blessing, Charles A., Philadelphia, Pa. Cock or valve | Nov. 11, 1879 | 432 | 117 | 16 | 880 |
| 221, 507 | Same.....Cock or faucet | Nov. 11, 1879 | 433 | 117, 118 | 16 | 880 |
| 222, 123 | Blethen, Alonzo C., Lynn, Mass. Nose-clamp for eyeglasses | Dec. 2, 1879 | 8 | 2 | 16 | 1009 |
| 218, 699 | Blewett, Allen, Brookville, Miss. Toy pistol | Aug. 19, 1879 | 690 | 196 | 16 | 333 |
| 219, 203 | Blewett, Benjamin B., New York, N. Y. Picket-stake | Sept. 2, 1879 | 157 | 47 | 16 | 432 |
| 218, 476 | Bliesner, William, Saint Louis, Mo. Combined gas and vapor stove | Aug. 12, 1879 | 434 | 121 | 16 | 289 |
| | Bligh, Samuel. (*See* Fern & Bligh.) | | | | | |
| 222, 621 | Blighton, William V. K., Tonawanda, N. Y. Thill-coupling | Dec. 16, 1879 | 601 | 171 | 16 | 1110 |
| 217, 049 | Blinn, Joseph S., New Haven, Conn. Sash-holder | July 1, 1879 | 136 | 40 | 16 | 20 |
| 214, 612 | Bliss, Edwin S., Richburg, N. Y. Bin for flour, &c | Apr. 22, 1879 | 1058 | 297 | 15 | 632 |
| 217, 725 | Bliss, Eliphalet W., Brooklyn, N. Y. Machinery for shaping sheet-metal | July 22, 1879 | 919 | 263 | 16 | 151 |
| 222, 982 | Bliss, George N., Boston, Mass. Drying-machine | Dec. 30, 1879 | 1017 | 291 | 16 | 1191 |
| 213, 733 | Bliss, Jonathan, assignor of one-half interest to G. L. Winn, Jersey City, N. J. Treatment of albumen for the production of molded articles | Apr. 1, 1879 | 5 | ..... | 15 | 473 |
| | Bliss & Williams. (*See* Jordan, Edmund, assignor.) | | | | | |
| 211, 884 | Blissard, John C., Birmingham, England. Metallic and non-metallic box | Feb. 4, 1879 | 71 | 21 | 15 | 135 |
| 217, 050 | Block, Marx, Chattanooga, Tenn. Manufacture of graduated glassware | July 1, 1879 | 137 | 41 | 16 | 20 |
| 211, 548 | Block, Siegfried, and E. Koch, Berlin, Prussia. Cigarette-machine | Jan. 21, 1879 | 551 | 156 | 15 | 73 |
| | Block, Williard T. (*See* Deakin, Thomas J., assignor.) | | | | | |
| 212, 586 | Blodgett, Aaron D., Newton, Mass. Thermostat and manual circuit-closer | Feb. 25, 1879 | 918 | 254 | 15 | 259 |
| 214, 613 | Blodgett, John W., Chicago, Ill. Button-hole attachment for sewing-machines | Apr. 22, 1879 | 1059 | 297 | 15 | 632 |
| 218, 477 | Blodgett, John W., and B. F. Felix, Chicago, Ill. Cheese-cutter | Aug. 12, 1879 | 435 | 121 | 16 | 289 |
| 218, 478 | Same.....same | Aug. 12, 1879 | 436 | 121 | 16 | 289 |
| 222, 858 | Blodgett, John W., Chicago, Ill. Button-hole attachment for sewing-machines | Dec. 23, 1879 | 875 | 252 | 16 | 1160 |
| 222, 446 | Bloedel, Henry, Fond du Lac, Wis. Cultivator | Dec. 9, 1879 | 372 | 105 | 16 | 1069 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216, 137 | Bloem, Gustav, Düsseldorf, Prussia, Germany. Blasting-fuse | June 3, 1879 | 136 | 40 | 15 | 902 |
| 218, 854 | Blood, Eben D., and I. E. Shepardson, Taunton, Mass. Music-stand | Aug. 26, 1879 | 896 | 250 | 16 | 371 |
| 211, 959 | Blood, Edwin J., Mukwonago, Wis., assignor of one-half interest to H. H. Crocker, Chicago, Ill. Velocipede | Feb. 4, 1879 | 158 | 45 | 15 | 147 |
| 211, 960 | Same ..... same | Feb. 4, 1879 | 159 | 46 | 15 | 147 |
| 217, 257 | Blood, Edwin J., Mukwonago, Wis. Horse-collar | July 8, 1879 | 376 | 111 | 16 | 60 |
| 221, 024 | Blood, Edwin J., Mukwonago, Wis., assignor to self, G. Lanz, and C. A. Whitney, Chicago, Ill., and P. Dick, Saint Peter, Minn. Machine for cutting and creasing straps | Oct. 28, 1879 | 966 | 257 | 16 | 788 |
| | Blood, James A., *et al.* (*See* Benton, John C., assignor.) | | | | | |
| 216, 371 | Blood, Oliver H., New York, N. Y. Show-case | June 10, 1879 | 418 | 120 | 15 | 944 |
| | Bloom, Isaac F. (*See* Stigers, Bloom & Boyer.) | | | | | |
| 216, 017 | Bloom, Jacob E., Cincinnati, Ohio. Military accouterments | June 3, 1879 | 11 | 3 | 15 | 886 |
| 213, 383 | Bloom, John C., Kalamazoo, Mich. Draft-equalizer | Mar. 18, 1879 | 717 | 201 | 15 | 406 |
| | Bloom, Moses, *et al.* (*See* Sullivan, Nicholas, assignor.) | | | | | |
| 215, 868 | Bloomer, Charles G., Pawtuxet, R. I. Button and stud | May 27, 1879 | 1036 | 302 | 15 | 858 |
| 216, 138 | Bloomfield, John H., Concordia, Entre Rios, Argentine Republic. Telegraph insulator | June 3, 1879 | 137 | 41 | 15 | 902 |
| 221, 439 | Blose, John H., Clarke County, Ohio. Drain-pipe | Nov. 11, 1879 | 351 | 96 | 16 | 870 |
| 211, 216 | Blount, Alexander C., Pensacola, Fla. Gas-regulator | Jan. 7, 1879 | 149 | 45 | 15 | 20 |
| 211, 493 | Blount, Alexander C., Pensacola, Fla., and E. D. Gilbert, Philadelphia, Pa. Piston water-meter | Jan. 21, 1879 | 488 | 138 | 15 | 65 |
| 214, 807 | Blowers, Russel B., Woodland, Cal. Fruit-drier | Apr. 29, 1879 | 1287 | 360 | 15 | 669 |
| 220, 696 | Blue, Dennis S., Fremont, Ohio. Pitman for harvesters | Oct. 21, 1879 | 570 | 152 | 16 | 727 |
| | Blumenburg, Israel R. (*See* Wood, William P. and W. T., assignors.) | | | | | |
| 212, 535 | Blundell, Henry, Providence, R. I. Punching-machine | Feb. 25, 1879 | 861 | 238 | 15 | 252 |
| 213, 862 | Blunt, Edmund, Brooklyn, assignor to A. E. Schuyler, New York, N. Y. Device for preventing the escape of sewer-gas from basin-overflows | Apr. 1, 1879 | 145 | 43 | 15 | 491 |
| | Blunt, Kate S. (*See* Blunt, William S., assignor.) | | | | | |
| 219, 845 | Blunt, William S., Bay Ridge, N. Y., assignor to K. S. Blunt. Hammer-guard for pistols | Sept. 23, 1879 | 911 | 252 | 16 | 556 |
| 222, 374 | Blunt, William S., assignor to K. S. Blunt, Bay Ridge, N. Y. Pump | Dec. 9, 1879 | 291 | 81 | 16 | 1053 |
| | Bly, Ezra G. (*See* Searl & Bly.) | | | | | |
| 219, 797 | Blymyer, John S., Cincinnati, Ohio. Evaporating-pan | Sept. 23, 1879 | 864 | 238 | 16 | 549 |
| | Blymyer, J. S. (*See* Kenney, Seth H., assignor.) | | | | | |
| 215, 562 | Blythe, Thomas H., and S. B. Morey, San Francisco, Cal. Horizontal rotary ore-roaster | May 20, 1879 | 686 | 202 | 15 | 804 |
| 8, 733 | Boalt, Francis B., Bainbridge, N. Y. Hay-press (Reissue) | June 3, 1879 | 260 | 77 | 15 | 917 |
| 216, 825 | Bobo, Isaac F., County Line, Tenn. Cotton-chopper | June 24, 1879 | 943 | 268 | 15 | 1032 |
| 219, 679 | Bobzien, John C., Chicago, Ill. Grate-bar for boiler-furnaces | Sept. 16, 1879 | 719 | 199 | 16 | 521 |
| | Böckel, Hermann. (*See* Müller & Böckel.) | | | | | |
| 216, 934 | Böckman, Marcus, Brooklyn, N. Y. Potato-planter | July 1, 1879 | 7 | 2 | 16 | 3 |
| 8, 964 | Bodenstein, Otto, New York, N. Y. Ornamentation of fire-arms (Reissue) | Nov. 11, 1879 | 599 | 167 | 16 | 904 |
| 215, 869 | Bodine, J. Nixon, Bridgeton, N. J., assignor to Cohansey Glass Company, Philadelphia, Pa. Mold for glass jars | May 27, 1879 | 1037 | 302 | 15 | 858 |
| | Boehl, Werner. (*See* Getzschmann, Amandus, assignor.) | | | | | |
| 212, 536 | Boeringer, Peter, Saint Paul, Minn. Optometer | Feb. 25, 1879 | 862 | 238 | 15 | 252 |
| 8, 993 | Boesch, Emil, San Francisco, Cal. Street-lamp (Reissue) | Dec. 9, 1879 | 528 | 149 | 16 | 1090 |
| 211, 961 | Boettger, Rudolf, Frankfort-on-the-Main, Germany. Bronzing wood, porcelain, glass, metal, &c | Feb. 4, 1879 | 160 | ..... | 15 | 147 |
| 212, 887 | Bogaerts, Henri, Bois-le-Duc, Holland. Reproducing oil-paintings on panels or other surfaces | Mar. 4, 1879 | 134 | ..... | 15 | 314 |
| 216, 552 | Bogardus, Adam H., Elkhart, Ill. Pyrotechnic signal-cartridge | June 17, 1879 | 620 | 176 | 15 | 980 |
| | Bogardus, Frank P. (*See* Curtis, Henry M., assignor.) | | | | | |
| 216, 645 | Bogart, George A., assignor of one-half interest to C. L. Griswold, Chester, Conn. Wagon-jack | June 17, 1879 | 722 | 207 | 15 | 994 |
| 214, 614 | Boger, John, Powhatan Point, Ohio. Bosom-board | Apr. 22, 1879 | 1059 | 297 | 15 | 632 |
| 218, 222 | Same ..... Distance-instrument | Aug. 5, 1879 | 130 | 36 | 16 | 238 |
| | Boggis, Robert, *et al.* (*See* Lyman, Fordyce A., assignor.) | | | | | |
| | Bogue, Charles E. (*See* Mason, Sylvester G., assignor.) | | | | | |
| 216, 646 | Bohlen, John, assignor to self and J. Manchester, Big Rapids, Mich. Fastener for clothes-lines, &c | June 17, 1879 | 723 | 207 | 15 | 995 |
| 213, 092 | Bohm, Carl A. O. and G. A. P., Fredersdorf, near Berlin, Prussia. Process and apparatus for preparing maize-mash from whole kernels | Mar. 11, 1879 | 393 | 109 | 15 | 355 |
| | Bohm, Gottlob A. P. (*See* Bohm, Carl A. O. and G. A. P.) | | | | | |
| 214, 483 | Bohner, George, Chicago, Ill. Lamp and reflector support | Apr. 22, 1879 | 904 | 255 | 15 | 613 |
| 216, 018 | Same ..... Extension chandelier | June 3, 1879 | 14 | 3 | 15 | 886 |
| 215, 870 | Bohonon, Bartlett, West Fairlee, Vt. Leather-cutting punch | May 27, 1879 | 1038 | 303 | 15 | 858 |
| 215, 871 | Bohsert, Frederic, New York, N. Y. Adjustable invalid-chair | May 27, 1879 | 1039 | 303 | 15 | 858 |
| | Boice, James T. (*See* Howell, James H., assignor.) | | | | | |
| 218, 479 | Bolchini, Charles E., Milan, Italy, assignor to A. Stephani, New York, N. Y., and W. G. Moehring, Philadelphia, Pa. Paper box | Aug. 12, 1879 | 437 | 122 | 16 | 289 |
| 219, 440 | Boles, Warren H., and G. B. Hall; said Hall assignor to J. H. Pettit and W. C. Reid, Fort Plain, N. Y. Automatic pressure-vent for beer-barrels | Sept. 9, 1879 | 449 | 125 | 16 | 477 |
| 217, 674 | Bolinger, John B., assignor of part interest to N. G. Heymas and D. Kellogg, Jackson, Mich. Gate hinge and roller | July 22, 1879 | 863 | 246 | 16 | 144 |
| | Bolinger, Reuben. (*See* Wilson & Bolinger.) | | | | | |
| | Bolitho, Edwin. (*See* Gifford, William E., assignor.) | | | | | |
| 217, 767 | Bolles, John W., Newark, N. J., assignor to C. G. Emery, Brooklyn, N. Y. Preparing paper for wrappers for cigars, &c | July 22, 1879 | 956 | ..... | 16 | 156 |
| | Bolliger, Rudolph. (*See* Frederick, Edwin R., assignor.) | | | | | |
| 221, 906 | Bollinger, Oliver J., York, Pa. Millstone supporting and driving device | Nov 25, 1879 | 910 | 254, 255 | 16 | 964 |
| 212, 349 | Bolton, Charles E., and F. H. Strieby, Cleveland, Ohio. Package or box-filler | Feb. 18, 1879 | 615 | 172, 173 | 15 | 210 |
| 218, 658 | Bolton, Charles E., F. H. Strieby, and M. Rankin, Cleveland, Ohio. Box and package filler | Aug. 19, 1879 | 647 | 183 | 16 | 327 |
| 221, 440 | Bolton, George W., Detroit, Mich. Car-coupling | Nov. 11, 1879 | 352 | 97 | 16 | 870 |
| 223, 107 | Bolton, James, Chicago, Ill. Tuck-marker for sewing-machines | Dec. 30, 1879 | 1166 | 328 | 16 | 1210 |
| 8, 945 | Bolton, Ogden, Canton, Ohio. Manufacture of steel (Reissue) | Oct. 28, 1879 | 1086 | ..... | 16 | 804 |
| 214, 088 | Same ..... same | Apr. 8, 1879 | 432 | ..... | 15 | 534 |
| 217, 051 | Bommer, Lorenz, Brooklyn, N. Y. Spring-hinge | July 1, 1879 | 138 | 41 | 16 | 20 |
| | Bonbrack, Lewis S. (*See* Jones & Bonbrack.) | | | | | |
| 220, 516 | Bond, Henry F., Northborough, Mass. Machine for creaming milk | Oct. 14, 1879 | 350 | 92 | 16 | 691 |
| | Bond, Joseph D. (*See* Bishop, Thomas T., assignor.) | | | | | |
| | Bond, Van H. (*See* Toops & Braddock, assignors.) | | | | | |
| 217, 325 | Bond, William H., Greensborough, Ind. Gate | July 8, 1879 | 443 | 130 | 16 | 69 |
| 217, 768 | Bonham, Harriet E., Saint Joseph, Mo. Ear-muff | July 22, 1879 | 957 | 275 | 16 | 156 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214, 752 | Bonnaud, Jean B. G., Paris, France. Colored photographic pictures | Apr. 29, 1879 | 1219 | ..... | 15 | 660 |
| 212, 434 | Bonwill, William G. A., Philadephia, Pa. Dental plugger | Feb. 18, 1879 | 717 | 198 | 15 | 224 |
| 220, 204 | Booth, Ebenezer H., West Colesville, N. Y. Platform-gear for vehicles | Sept. 30, 1879 | 1331 | 367 | 16 | 623 |
| | Booth, George, *et al.* (*See* Gardner, Charles J., assignor.) | | | | | |
| | Booth, James E. (*See* Sherlock & Booth.) | | | | | |
| | Boots, Caleb S. (*See* Young & Boots.) | | | | | |
| 221, 769 | Booker, David, assignor to self and F. A. Mays, Edom, Tex. Pruning-implement | Nov. 18, 1879 | 728 | 203 | 16 | 930 |
| 215, 103 | Boon, Martin W., Galesburg, Ill. Fluting-machine | May 6, 1879 | 133 | 39 | 15 | 719 |
| 212, 587 | Boone, Thomas R., Rochester, N. Y. Tailor's measure | Feb. 25, 1879 | 919 | 254 | 15 | 259 |
| 221, 441 | Bopp, Christian, Indianapolis, Ind. Toy | Nov. 11, 1879 | 353 | 97 | 16 | 870 |
| 215, 204 | Borchardt, Hugo, Bridgeport, Conn. Shirt-neck shaper | May 13, 1879 | 273 | 80 | 15 | 740 |
| 218, 615 | Bordwell, Joseph, assignor to D. S. Morgan, Brockport, N. Y. Self-raker | Aug. 19, 1879 | 600 | 169, 170 | 16 | 321 |
| | Börendt, Aurel. (*See* Lehmann & Börendt.) | | | | | |
| 211, 549 | Born, George J., assignor to F. S. Bissell, Pittsburg, Pa. Broiler attachment for stoves, ranges, &c | Jan. 21, 1879 | 552 | 156 | 15 | 73 |
| 211, 550 | Same.....Broiler attachment for stoves, ranges, &c | Jan. 21, 1879 | 553 | 156, 157 | 15 | 74 |
| 219, 846 | Borneman, August, Lancaster, Ohio. Truss-bridge | Sept. 23, 1879 | 912 | 252 | 16 | 556 |
| 214, 089 | Borton, Stockton, assignor to O. F. Davis, Philadelphia, Pa. Sewing-machine | Apr. 8, 1879 | 433 | 122 | 15 | 534 |
| 220, 746 | Bozart, Louis W., Springfield, Ohio. Wire fence | Oct. 21, 1879 | 624 | 167 | 16 | 734 |
| | Boss, Albert. (*See* Heberline & Boss.) | | | | | |
| 219, 614 | Boss, Martin P., Oakland, Cal. Ore-roasting furnace | Sept. 16, 1879 | 638 | 177 | 16 | 510 |
| | Bossé, Charles L. (*See* Whitney, Edwin R., assignor.) | | | | | |
| | Same.....(*See* Whitney, Edwin R., assignor.) | | | | | |
| | Boston Machine Company. (*See* Fletcher, Karl, assignor.) | | | | | |
| 215, 040 | Bostwick, Charles F., and A. K. Riblets, Erie, Pa. Crib-bed | Mar. 6, 1879 | 62 | 19 | 15 | 710 |
| 211, 962 | Bostwick, Chauncey B., Pittsburg, Pa. Window-screen | Feb. 4, 1879 | 160 | 46 | 15 | 147 |
| 216, 935 | Bostwick, Joseph, Mishawaka, Ind. Refrigerator | July 1, 1879 | 8 | 3 | 16 | 4 |
| | Bostwick, Walter W. (*See* Billings and Maxwell, assignors.) | | | | | |
| | Same.....(*See* Maddox & Humphries, assignors.) | | | | | |
| 221, 892 | Bostwick, Walter W., Cincinnati, Ohio. Audiphone | Nov. 18, 1879 | 876 | 245 | 16 | 950 |
| 218, 422 | Boswel, Frederick C., Clear Spring, Md. Fountain | Aug. 12, 1879 | 368 | 100 | 16 | 281 |
| 211, 693 | Boswell, John K., Saint Louis, Mo. Heating, cooking, and drying apparatus | Jan. 28, 1879 | 735 | 205 | 15 | 101 |
| 217, 675 | Boswell, William, Flint, Mich. Mop-wringer | July 22, 1879 | 864 | 246 | 16 | 144 |
| 216, 504 | Bosworth, Charles F., Milford, Conn. Machine for sewing straw braid | June 17, 1879 | 570 | 163 | 15 | 974 |
| 221, 770 | Boszhardt, George H., Ida Grove, Iowa. Attachment for stove-pipe damper-rods | Nov. 18, 1879 | 729 | 203 | 16 | 930 |
| 220, 956 | Boteler, John W., Washington, D. C. Waiter for pitchers | Oct. 28, 1879 | 887 | 236 | 16 | 777 |
| 216, 372 | Botsford, Andrew H., assignor to P. Helm, Saint Louis, Mo. Earth-auger | June 10, 1879 | 419 | 120 | 15 | 945 |
| | Botsford, Eugene N. (*See* Botsford, Wallace M. and E. N.) | | | | | |
| 211, 129 | Botsford, Wallace M. and E. N., West Stratford, Conn. Scroll-sawing machine | Jan. 7, 1879 | 57 | 19 | 15 | 8 |
| | Bott, Arthur. (*See* Adams & Bott.) | | | | | |
| 214, 090 | Bott, Joseph E., assignor of one-half interest to C. Adling, Nottingham, England. Injector-condenser | Apr. 8, 1879 | 434 | 122, 123 | 15 | 534 |
| 213, 164 | Bottoms, Thomas J., Thomasville, Ga., assignor to R. M. Thompson, Purdy, McNairy County, Tenn. Automatic fan | Mar. 11, 1876 | 480 | 133 | 15 | 366 |
| | Botts, Sidney J., *et al.* (*See* McConoughey, Hulbert N., assignor).....(Reissue.) | | | | | |
| 211, 648 | Bouchard, Adolphe, assignor, by mesne assignments, of two-thirds interest to R. J. Connolley and S. H. Houston, New Orleans, La. Reflector | Jan. 28, 1879 | 685 | 192 | 15 | 94 |
| | Boughner, John W. (*See* Rees, John, assignor.) | | | | | |
| 215, 085 | Boughton, Claudius V., Titusville, Pa. Ball-target | May 6, 1879 | 115 | 34 | 15 | 717 |
| | Bouldin, William, jr. (*See* Groff, William S., assignor.) | | | | | |
| 219, 204 | Bourke, William, New York, N. Y. Sleeve-button | Sept. 2, 1879 | 158 | 47 | 16 | 433 |
| 222, 232 | Same.....Separable button | Dec. 2, 1879 | 137 | 34 | 16 | 1027 |
| 8, 762 | Bourne, Edward, Pittsburg, Pa. Securing fish-plates to railway-rails.....(Reissue) | June 17, 1879 | 808 | 231, 232 | 15 | 1007 |
| | Bourne, Thomas. (*See* Peyton & Bourne.) | | | | | |
| 215, 041 | Bourquin, Eugene A., New York, N. Y. Micrometer-gage | May 6, 1879 | 63 | 19, 20 | 15 | 710 |
| 216, 826 | Bourry, Ernest A., St. Gallen, Switzerland. Dynamometrical governor | June 24, 1879 | 944 | 269 | 15 | 1033 |
| 220, 052 | Bouscay, Eloi, assignor to self, M. D. Williams, and N. S. C. Perkins, Norwalk, Ohio. Feed mechanism for sewing-machines | Sept. 30, 1879 | 1157 | 318, 319 | 16 | 598 |
| | Bousfield, Edward T. (*See* Howard & Bousfield.) | | | | | |
| 217, 326 | Bousset, Victorien, Mores-du-Jura, France. Escapement for watches | July 8, 1879 | 444 | 131 | 16 | 69 |
| 218, 659 | Bouvier, Edmond, assignor of one-half interest to C. H. Bithorn, Pensacola, Fla. Solution for preserving timber | Aug. 19, 1879 | 646 | ..... | 16 | 327 |
| 211, 963 | Bovey, George C., Columbus, assignor of one-half interest to G. B. Kerper, Cincinnati, Ohio. Street-car heater | Feb. 4, 1879 | 160 | 46 | 15 | 147 |
| 214, 548 | Bovey, George C., Columbus, Ohio., assignor to A. Woodward, Shelburne Falls, Mass. Window-cleaner | Apr. 22, 1879 | 989 | 278 | 15 | 623 |
| 215, 872 | Bowdoin, Rufus P., Brooklyn, N. Y. Device for converting motion | May 27, 1879 | 1041 | 303 | 15 | 858 |
| 216, 651 | Bowen, Francis C., Brooklyn, N. Y. Food-holder for bird-cages | June 17, 1879 | 728 | 209 | 15 | 995 |
| 217, 575 | Bowen, Frank A., Putnam, Conn. Stripper-spring for carding-engines | July 15, 1879 | 731 | 209 | 16 | 117 |
| 221, 771 | Bowen, James C., Mandarin, Fla. Refrigerator | Nov. 18, 1879 | 729 | 203 | 16 | 930 |
| 214, 615 | Bowen, James H., Philadelpha, Pa. Toy | Apr. 22, 1879 | 1060 | 297 | 15 | 632 |
| 214, 091 | Bowen, Joseph B., Leavenworth, Kans. Composition roofing | Apr. 8, 1879 | 436 | ..... | 15 | 534 |
| 220, 747 | Bower, Delorem P., Leon, assignor of one-half interest to C. E. Flanders, Decatur, Iowa. Bee-hive | Oct. 21, 1879 | 625 | 167 | 16 | 735 |
| | Bower, Henry. (*See* Gill, Jabez H., assignor.) | | | | | |
| 222, 175 | Bower, Henry, Philadelphia, Pa. Apparatus for the manufacture of ferrocyanide of potassium | Dec. 2, 1879 | 66 | 16 | 16 | 1018 |
| 211, 455 | Bowers, Edward H., Boston, Mass. Joint for carpenter's rules | Jan. 21, 1879 | 450 | 127 | 15 | 61 |
| 219, 798 | Bowers, George A., assignor to Cragin Brothers & Chandler, Chicago, Ill. Pan-forming machine | Sept. 23, 1879 | 865 | 238, 239 | 16 | 519 |
| | Bowers, James. (*See* Daloz, Lawrence H., assignor.) | | | | | |
| 220, 014 | Bowers, James, Newark, N. J. Corset | Sept. 30, 1879 | 1102 | 305 | 16 | 591 |
| 213, 805 | Bowers, Joseph R., Concord, N. H. Fire-proof arch for brick-kilns | Apr. 1, 1879 | 79 | 26 | 15 | 483 |
| | Bowhannan, J. Valentine. (*See* White & Bowhannan.) | | | | | |
| | Bowhay, Egbert. (*See* Locke & Bowhay.) | | | | | |
| | Bowker, George W. (*See* Richmond, Henry B., assignor.) | | | | | |
| | Bowker, Sewall H. (*See* Chase & Bowker.) | | | | | |
| | Bowles Extra Rifle Company. (*See* Bowles, John, assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr's | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 213, 616 | Bowles, John, assignor to Bowles Extra Rifle Company, Washington, D. C. Fire-arm | Mar. 25, 1879 | 968 | 274, 275 | 15 | 456 |
| | Bowles, Talbot M. (*See* Findley, James W., assignor.) | | | | | |
| 212, 178 | Bowles, Talbot M., Cook's Point, and J. W. Farmer, assignors of one-third interest to T. M. Hunt, Caldwell, Tex. Planter and cultivator | Feb. 11, 1879 | 410 | 111, 112 | 15 | 180 |
| 218, 423 | Bowles, William H., Emden, Ill. Adjustable roller and stalk-cutter | Aug. 12, 1879 | 369 | 101 | 16 | 281 |
| | Bowman, Albert B. (*See* Welch, James E., assignor.) | | | | | |
| 211, 885 | Bowman, Amos, Seattle, Wash. Railway-track | Feb. 4, 1879 | 72 | 21 | 15 | 135 |
| 211, 694 | Bowman, Jacob C., Providence, assignor of one-half interest to J. F. Shuyder, Scranton, Pa. Revolving screen | Jan. 28, 1879 | 737 | 205 | 15 | 101 |
| 211, 964 | Bowman, Teman, Alum Wells, Va. Grinding-mill | Feb. 4, 1879 | 162 | 46, 47 | 15 | 147 |
| | Bown, Samuel E. (*See* Bown, William T. and S. E.) | | | | | |
| 217, 258 | Bown, William T. and S. E., Pittsburg, Pa. Coffee roaster and purifier | July 8, 1879 | 376 | 111 | 16 | 60 |
| 222, 447 | Bowne, Eureka C., New York, N. Y. Street sweeping apparatus | Dec. 9, 1879 | 373 | 106 | 16 | 1069 |
| 215, 086 | Bowsher, Nelson P., assignor to South Bend Iron Works, South Bend, Ind. Vehicle-wheel-hub | May 6, 1879 | 116 | 34 | 15 | 717 |
| 219, 680 | Same.....Rolling colter for plows | Sept. 16, 1879 | 720 | 200 | 16 | 521 |
| 218, 222 | Box, Alfred, Philadelphia, Pa.. Hoisting-pulley and worm-gear apparatus | Aug. 5, 1879 | 132 | 36 | 16 | 238 |
| 222, 176 | Boyce, George H., assignor to S. D. Mason, Attleborough, Mass. Metallic stock for bracelets | Dec. 2, 1879 | 67 | 16 | 16 | 1018 |
| | Boyce, James. (*See* Keys, Erasmus L., assignor.) | | | | | |
| | Boyce, Joseph. (*See* Baird, James O., assignor.) | | | | | |
| | Boyd, A. W., *et al.* (*See* Hartley, Roger, assignor.) | | | | | |
| | Boyd, B. F., *et al.* (*See* Starkey, William, assignor.) | | | | | |
| 220, 119 | Boyd, George W., Springfield, Ohio. Burial-case | Sept. 30, 1879 | 1233 | 339 | 16 | 609 |
| | Boyd, Jeremiah. (*See* Smith, James T., assignor.) | | | | | |
| | Boyd, John. (*See* Crowley, Roy O., assignor.) | | | | | |
| 213, 085 | Boyd, John, Galveston, Tex. Construction of roofs | Mar. 11, 1879 | 320 | 89 | 15 | 346 |
| 221, 279 | Boyd, John, La Grange, Ind. Hay-rack | Nov. 4, 1879 | 152 | 42 | 16 | 834 |
| 221, 772 | Boyd, John and T. A., Glasgow, Scotland. Machine for winding yarn | Nov. 18, 1879 | 730 | 203 | 16 | 931 |
| 212, 888 | Same.....same | Mar. 4, 1879 | 135 | 39 | 15 | 314 |
| 217, 769 | Same.....same | July 22, 1879 | 958 | 275 | 16 | 157 |
| 218, 855 | Boyd, Robert H., New Salem, Ohio. Windmill | Aug. 26, 1879 | 897 | 251 | 16 | 371 |
| | Boyd, Samuel M. (*See* Alexander, Abram, assignor.) | | | | | |
| | Boyd, Thomas A. (*See* Boyd, John and T. A.) | | | | | |
| 222, 653 | Boyd, Thomas L., Chicago, Ill. Furnace for singeing hogs | Dec. 16, 1879 | 639 | 183 | 16 | 1116 |
| 222, 654 | Same.....Apparatus for singeing hogs | Dec. 16, 1879 | 640 | 183 | 16 | 1116 |
| 220, 269 | Boyd, Washington H., Godfrey, Ill., assignor of one-half interest to J. T. Garland, Saint Louis, Mo. Cover for quadrants | Oct. 7, 1879 | 65 | 17 | 16 | 643 |
| 222, 124 | Boyd, William S., 3d, Philadelphia, Pa. Button for boots and shoes | Dec. 2, 1879 | 8 | 3 | 16 | 1010 |
| 222, 859 | Same.....Tinner's fire-pot | Dec. 23, 1879 | 877 | 252 | 16 | 1160 |
| 8, 717 | Boyden, William A., New York, N. Y., assignor, by mesne assignments, to C. J. Dougherty. Metallic piston-packing.....Reissue | May 20, 1879 | 846 | 247 | 15 | 825 |
| 212, 299 | Boyer, Franklin J., Sharon Hill, Pa. Wash-boiler | Feb. 18, 1879 | 554 | 155 | 15 | 203 |
| 215, 087 | Boyer, Jacob J., Hebron, Nebr. Bag-fastener | May 6, 1879 | 117 | 35 | 15 | 717 |
| 217, 443 | Boyer, Josiah E., Dayton, Ohio. Fire-back | July 15, 1879 | 592 | 169 | 16 | 99 |
| | Boyer, Thomas J. (*See* Stigers, Bloom & Boyer.) | | | | | |
| 218, 919 | Boyington, Henry A., Manchester, N. H. Shuttle-spindle | Aug. 26, 1879 | 968 | 272 | 16 | 381 |
| 219, 342 | Boyington, Levi C., Chicago, Ill. Cabinet-bed | Sept. 9, 1879 | 337 | 95 | 16 | 463 |
| 221, 150 | Boyle, James C., Sycamore, Ill. Lid or cover for vessels | Nov. 4, 1879 | 13 | 3 | 16 | 814 |
| 221, 151 | Boyle, Robert K., Brooklyn, N. Y. Recorder for long telegraph-lines | Nov. 4, 1879 | 14 | 4 | 16 | 814 |
| 218, 224 | Boynett, Edward G., New York, N. Y. Chronograph | Aug. 5, 1879 | 133 | 36 | 16 | 238 |
| 8, 692 | Boynton, Charles W., Chicago, Ill. Grain-drying kiln.....(Reissue) | May 6, 1879 | 248 | 73 | 15 | 734 |
| 213, 542 | Same.....Drying-kiln | Mar. 25, 1879 | 888 | 253, 254 | 15 | 436 |
| 211, 616 | Boynton, Edward S., Bridgeport, Conn. Book-binding | Jan. 28, 1879 | 646 | 181 | 15 | 89 |
| | Boynton, Jesse, *et al.* (*See* Estes, William A., assignor.) | | | | | |
| 213, 968 | Boynton, Newell M., assignor to Loring Blake Organ Company, Worcester, Mass. Organ-action | Apr. 8, 1879 | 271 | 78, 79 | 15 | 516 |
| 213, 734 | Bozorth, John, Philadelphia, Pa. Machine for trimming wooden boxes | Apr. 1, 1879 | 6 | 2 | 15 | 473 |
| 217, 726 | Bracelin, Patrick M., Davenport, Iowa. Car-coupling | July 22, 1879 | 920 | 263 | 16 | 151 |
| 218, 424 | Brach, Isidor, Philadelphia, Pa. Water-filter | Aug. 12, 1879 | 370 | 101 | 16 | 281 |
| 217, 576 | Bracher, Thomas W., New York, N. Y. Sweat-band for hats and caps | July 15, 1879 | 732 | 209 | 16 | 117 |
| 218, 480 | Same.....same | Aug. 12, 1879 | 437 | 122 | 16 | 290 |
| 220, 570 | Same.....Machine for producing brims on sweat-bands for hats and caps | Oct. 14, 1879 | 422 | 109 | 16 | 699 |
| 221, 508 | Same.....Machine for sewing sweat-linings into hats | Nov. 11, 1879 | 434 | 118 | 16 | 880 |
| 221, 718 | Same.....Preparing fabrics for cutting into bias strips | Nov. 18, 1879 | 672 | 188 | 16 | 922 |
| 222, 233 | Same.....Sweat-band for hats and caps | Dec. 2, 1879 | 138 | 35 | 16 | 1027 |
| 8, 924 | Brada, Charles, New York, N. Y. Rocking-chair.....(Reissue) | Oct. 7, 1879 | 282 | 75, 76 | 16 | 674 |
| 212, 652 | Bradberry, William, Darrtown, Ohio. Reciprocating churn | Feb. 25, 1879 | 985 | 273 | 15 | 268 |
| 218, 616 | Bradberry, William T., Allegheny, Pa. Fire-back | Aug. 19, 1879 | 606 | 170 | 16 | 321 |
| 222, 860 | Bradberry, William T., Allegheny, assignor to H. Anshutz & Co., Pittsburg, Pa. Combined fire-screen and blower | Dec. 23, 1879 | 878 | 252 | 16 | 1160 |
| | Bradbury, Frank B. (*See* House & Bradbury.) | | | | | |
| 218, 109 | Braddick, Wendell V., North Belle Vernon, Pa. Cooking-stove | Aug. 5, 1879 | 3 | 1, 2 | 16 | 221 |
| | Braddock, Joseph. (*See* Toops & Braddock.) | | | | | |
| 217, 923 | Braden, Samuel M., Ligonier, Ind. Wheat-heater | July 29, 1879 | 1146 | 327 | 16 | 188 |
| 216, 647 | Bradford, Albert, assignor to J. Reichel, Eaton, Ohio. Change-box | June 17, 1879 | 724 | 207 | 15 | 995 |
| 221, 661 | Bradford, Hezekiah, and J. B. Wilford, Philadelphia, Pa., assignors to said Bradford. Ore-separator | Nov. 18, 1879 | 605 | 170 | 16 | 913 |
| 212, 653 | Bradford, Julien M., assignor of one-half interest to Z. K. Harmon, Portland, Me. Electrical heat and moisture regulator for factories | Feb. 25, 1879 | 986 | 273 | 15 | 268 |
| 222, 234 | Same.....Electric heat and vapor governor for spinning and weaving rooms | Dec. 2, 1879 | 139 | 35 | 16 | 1027 |
| 221, 025 | Bradford, William, assignor of one-half interest to H. W. Rakker, Springfield, Ill. Wagon-tramway | Oct. 28, 1879 | 967 | 257 | 16 | 788 |
| 214, 092 | Bradford, William A., assignor to self, L. H. and J. M. Noble, Goshen, Ind. School-desk | Apr. 8, 1879 | 436 | 123 | 15 | 534 |
| 212, 123 | Bradish, Nelson P., Jerseyville, Ill. Adjustable rocking-chair | Feb. 11, 1879 | 351 | 96 | 15 | 173 |
| | Bradley & Hubbard Manufacturing Company. (*See* Butler, John W., assignor.) | | | | | |
| | Same.....(*See* Seidensticker, F. Robert, assignor.) | | | | | |
| 219, 799 | Bradley, Byron C., Chicago, Ill. Sulky-plow | Sept. 23, 1879 | 867 | 239 | 16 | 550 |
| 219, 800 | Bradley, Byron C., and C. A. Hague, Chicago, Ill. Sulky-plow | Sept. 23, 1879 | 868 | 239, 240 | 16 | 550 |
| | Bradley, Charles T., *et al.* (*See* Shaw, Elijah, assignor).....(Reissue) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 221, 210 | Bradley, Dudley W., Brooklyn, assignor to S. Thomas Clock Company, New York, N. Y. Striking-clock | Nov 4 1879 | 75 | 20 | 16 | 822 |
| 218, 425 | Bradley, Frederick A., New Haven, Conn. Top-prop nut | Aug. 12 1879 | 371 | 101 | 16 | 281 |
| 220, 797 | Bradley, George, and A. H. Sherratt, assignors to themselves and J. H. Sherratt, Rockford, Ill. Car-coupling | Oct. 21, 1879 | 692 | 183 | 16 | 742 |
| 8, 890 | Bradley, Gilbert W., Sunderland, Vt. Making wooden boxes (Reissue) | Sept. 9, 1879 | 575 | ..... | 16 | 494 |
| 211, 130 | Same ..... same | Jan. 7, 1879 | 58 | ..... | 15 | 8 |
| 212, 651 | Same ..... Device for filling veneer boxes with butter | Feb. 25, 1879 | 984 | 273 | 15 | 268 |
| 217, 259 | Bradley, Henry A., New York, N. Y. Burner for liquid hydrocarbons | July 8, 1879 | 378 | 111 | 16 | 60 |
| 214, 093 | Bradley, Jeremy, Cedar Falls, Iowa. Window-blind opener | Apr. 8, 1879 | 437 | 123, 124 | 15 | 535 |
| 220, 910 | Bradley, Jerome, Philadelphia, Pa. Pipe-coupling | Oct. 28, 1879 | 822 | 220 | 16 | 769 |
| 211, 831 | Bradley, John, assignor of one-half interest to W. H. Pearson, Lowell, Mass. Loop-wheel for knitting-machines | Feb. 4, 1879 | 3 | 1 | 15 | 127 |
| 215, 205 | Bradley, Milton, Springfield, Mass. Paper-cutting machine | May 13, 1879 | 274 | 80 | 15 | 740 |
| 218, 700 | Same ..... Toy car and station | Aug. 19, 1879 | 690 | 196, 197 | 16 | 334 |
| 213, 036 | Bradley, Smith W., Cherryvale, Kans. Domestic boiler | Mar. 11, 1879 | 322 | 90 | 15 | 346 |
| 219, 064 | Bradmon, Samuel J., Mason, Mich., assignor of one-half interest to J. B. Dwinell. Wash-board | Sept. 2, 1879 | 7 | 3 | 16 | 413 |
| 215, 563 | Bradshaw, Benjamin, New York, N. Y. Heel for boots and shoes | May 20, 1879 | 687 | 202 | 15 | 804 |
| 214, 236 | Brady, Edwin L., New York, N. Y. Tea-kettle | Apr. 15, 1879 | 605 | 172 | 15 | 566 |
| | Brady, Gilbert A. (*See* Warner, Francis F., assignor.) | | | | | |
| 214, 234 | Brady, Gilbert A., Chicago, Ill., assignor of one-half interest to C. W. Ferguson, Janesville, Wis. Indicator | Apr. 15, 1879 | 663 | 171 | 15 | 566 |
| 219, 681 | Brady, James, Brooklyn, N. Y. Wire-cutter | Sept. 16, 1879 | 722 | 200 | 16 | 521 |
| 214, 875 | Brady, James S., Clintondale, N. Y. Damper for stoves and furnaces | Apr. 29, 1879 | 1361 | 379 | 15 | 678 |
| 217, 327 | Brady, Lawrence, assignor to M. Haydon, Philadelphia, Pa. Power-hammer | July 8, 1879 | 445 | 131 | 16 | 69 |
| 217, 260 | Brady, Levi C., Homer City, Pa. Gate | July 8, 1879 | 379 | 112 | 16 | 60 |
| 222, 448 | Brady, Oliver G., New York, N. Y. Peak or brim for hats and caps | Dec. 9, 1879 | 374 | 106 | 16 | 1070 |
| 212, 089 | Brady, Patrick, Newark, N. J. Filter | Feb. 11, 1879 | 313 | 86 | 15 | 167 |
| 222, 125 | Brady, Patrick, assignor to T. T. Brady, Chicago, Ill. Metal coupling for ropes | Dec. 2, 1879 | 9 | 3 | 16 | 1019 |
| | Brady, Thomas T. (*See* Brady, Patrick, assignor.) | | | | | |
| | Bragg, Conant & Co. (*See* Conant, William H., assignor.) | | | | | |
| 219, 903 | Bragonier, Alfred C., Middletown, Md. Dust-fender for car-windows | Sept. 23, 1879 | 971 | 269 | 16 | 565 |
| 218, 110 | Brahn, James, Jersey City, N. J. Railway-switch stand | Aug. 5, 1879 | 5 | 2 | 16 | 221 |
| | Braidwood, William. (*See* Francis & Braidwood.) | | | | | |
| 211, 217 | Brainard, Benjamin C., South Hadley, Mass. Weft-fork | Jan. 7, 1879 | 151 | 45 | 15 | 27 |
| | Brainard, Frederick. (*See* Lewis, Burdette A., assignor.) | | | | | |
| 217, 052 | Brainerd, Charles E., assignor to self and W. H. Newcomer, Tracr, Iowa. Thill-coupling | July 1, 1879 | 140 | 41 | 16 | 20 |
| 222, 810 | Brainerd, Frank W., and J. S. Fifield, Freeport, Ill. Bill-file | Dec. 23, 1879 | 815 | 233 | 16 | 1152 |
| | Brainerd, Payson A. (*See* Lull & Brainerd.) | | | | | |
| | Braisington, John H. (*See* Alters, Joseph K., assignor.) | | | | | |
| 215, 088 | Brake, George, Lansing, Mich. Baker's oven | May 6, 1879 | 118 | 35 | 15 | 717 |
| | Braley, A. P. (*See* Braley, Ephraim, assignor.) | | | | | |
| 219, 205 | Braley, Ephraim, Waltham, Me., assignor to A. P. Braley. Machine for cutting patterns | Sept. 2, 1879 | 159 | 48 | 16 | 433 |
| 218, 920 | Bramble, Cyrus, Lodi, N. Y., assignor of three-fourths interest to N. M. Mathews, C. E. Baker, and C. A. Woodworth. Timber-joint | Aug. 26, 1879 | 969 | 272 | 16 | 381 |
| | Bramble, David D., *et al.* (*See* Leavitt, William D., assignor.) | | | | | |
| 214, 988 | Bramble, James, Leverington, assignor to T. P. Paxson, Manayunk, Pa. Automatic clearer for spinning mules | May 6, 1879 | 8 | 3 | 15 | 703 |
| 211, 374 | Bramble, William H., Decatur, Ill. Lock | Jan. 14, 1879 | 355 | 103 | 15 | 46 |
| 220, 796 | Bramer, Frank, Little Falls, N. Y. Mower | Oct. 21, 1879 | 690 | 182, 183 | 16 | 742 |
| | Brammar, George. (*See* Abbey & Brammar.) | | | | | |
| 212, 435 | Bramwell, William C., Hyde Park, Mass. Burr-conveyor for carding-machines | Feb. 18, 1879 | 718 | 198 | 15 | 224 |
| 216, 373 | Bramwell, William C., Hyde Park, assignor to Harwood & Quincy, Boston, Mass. Mechanism for feeding carding-engines, &c. | June 10, 1879 | 420 | 120 | 15 | 945 |
| 218, 921 | Same ..... Apparatus for conveying sliver from one carding-engine to another | Aug. 26, 1879 | 969 | 273 | 16 | 381 |
| 215, 564 | Branch, Henry A., Hillsdale, Mich. Utilizing tar and coke-dust in the manufacture of gas | May 20, 1879 | 688 | 202 | 15 | 804 |
| | Branch, Joseph W. (*See* Milligan, John F., assignor.) | | | | | |
| 215, 873 | Branchler, Henry, and J. F. Sindoef, Greensburg, Pa. Mail-bag dropper | May 27, 1879 | 1042 | 304 | 15 | 858 |
| 222, 003 | Brand, Junius A., Norwich, Conn. Bomb-lance | Nov. 25, 1879 | 1019 | 286 | 16 | 978 |
| 223, 108 | Brand, Theodor, Sonneberg, Germany. Speaking picture-book | Dec. 30, 1879 | 1167 | 328 | 16 | 1211 |
| 216, 720 | Brandeis, Ludwig, Brooklyn, N. Y. Valve | June 24, 1879 | 820 | 234 | 15 | 1017 |
| 220, 517 | Same ..... Attachment for kitchen-boilers | Oct. 14, 1879 | 351 | 93 | 16 | 691 |
| 216, 255 | Brandt, Carl, Goersnitz, Germany. Button | June 10, 1879 | 276 | 82 | 15 | 927 |
| | Brandt, F. Herrman. (*See* Marsh & Brandt.) | | | | | |
| | Brandt, Jacob S. (*See* Sharp & Brandt.) | | | | | |
| | Brandt, Simon L. (*See* Sharer, Michael W., assignor.) | | | | | |
| | Braner, J. P. (*See* Finck, Henry, assignor.) | | | | | |
| | Branford Lock Works. (*See* Coleman, Cornelius C., assignor.) | | | | | |
| 212, 180 | Brannen, Michael B., assignor to self and J. L. Williams, Shenandoah, Pa. Relief-piston for pumps | Feb. 11, 1879 | 412 | 112 | 15 | 181 |
| 214, 989 | Branson, James L., Chicago, Ill. Knitting-machine | May 6, 1879 | 9 | 4 | 15 | 704 |
| 222, 861 | Brasch, Carl, Cleveland, Ohio. Hobby-horse | Dec. 23, 1879 | 878 | 252 | 16 | 1161 |
| | Braswell, Jacob. (*See* Brooks & Braswell.) | | | | | |
| | Braudhuber, Robert. (*See* Williams, Samuel S., assignor.) | | | | | |
| 219, 682 | Brauer, Louis, assignor of one-half interest to C. Saake, Philadelphia, Pa. Extension-chandelier | Sept. 16, 1879 | 723 | 200 | 16 | 521 |
| | Braun, Henry J. (*See* Braun, Theodore J. and H. J.) | | | | | |
| 213, 317 | Braun, Joseph, Rochester, Pa., assignor of one-half interest to D. K. Hill, Chicago, Ill. Sad-iron | Mar. 18, 1879 | 650 | 184 | 15 | 397 |
| 213, 384 | Braun, Joseph, Rochester, Pa. Device for shaping and pressing garments | Mar. 18, 1879 | 717 | 201 | 15 | 406 |
| | Braun, Mathias. (*See* Hartmann & Braun.) | | | | | |
| 222, 344 | Braun, Theodore J. and H. J., Saint Louis, Mo. Inflatable form for displaying articles | Dec. 9, 1879 | 263 | 73 | 16 | 1055 |
| 211, 292 | Braun, Wilhelm, Carlsbad, Austria, assignor to J. Weber, Uster, Switzerland. Roller apparatus for crushing and grinding grain | Jan. 14, 1879 | 290 | 73 | 15 | 33 |
| 216, 553 | Same ..... Porcelain roll for grain-crushing machines | June 17, 1879 | 621 | 176 | 15 | 980 |
| 214, 235 | Braunfeld, Henry E., Baltimore, Md. Thill-coupling | Apr. 15, 1879 | 604 | 171 | 15 | 566 |
| 214, 753 | Same ..... Single-tree coupling | Apr. 29, 1879 | 1220 | 342 | 15 | 660 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214,355 | Braunsdorf, Julius E., Pearl River, N. Y. Spinning-spindle and mechanism for driving the same | Apr. 15, 1879 | 757 | 212 | 15 | 585 |
| 214,356 | Same.....Spindle-driving mechanism for spinning-machines | Apr. 15, 1879 | 758 | 212 | 15 | 586 |
| | Bray, Edward L. (*See* Gates, Cecil L., assignor.) | | | | | |
| | Bray, Edward P., *et al.* (*See* Wayland, James, assignor.) | | | | | |
| 212,124 | Bray, Mellen, Newton, Mass. Machine for separating and setting shoe-lace studs | Feb. 11, 1879 | 352 | 96, 97 | 15 | 173 |
| 212,125 | Same.....Machine for cleansing and drying small metallic articles | Feb. 11, 1879 | 356 | 97 | 15 | 173 |
| 212,181 | Same.....Machine for manufacturing shoe-lace studs | Feb. 11, 1879 | 413 | 113, 114 | 15 | 181 |
| 216,719 | Same.....Rivet | June 24, 1879 | 819 | 234 | 15 | 1017 |
| 222,568 | Same.....Machine for riveting mail-bags | Dec. 16, 1879 | 532 | 151, 152 | 16 | 1101 |
| 218,701 | Bray, Thomas J., Pittsburg, Pa. Coupling for pipes, &c. | Aug. 19, 1879 | 692 | 197 | 16 | 334 |
| | Bray, William D. (*See* Phillips, George C., assignor.) | | | | | |
| 219,904 | Brazeal, Charles H., assignor to self and R. A. Ewing, Tye River Depot, Va. Smut-machine | Sept. 23, 1879 | 972 | 269 | 16 | 565 |
| 219,615 | Breach, James J., South Weymouth, Mass. Apparatus for grading patterns | Sept. 16, 1879 | 639 | 177, 178 | 16 | 510 |
| 216,649 | Brear, Abel, Sangatuck, Conn. Evaporating-pan | June 17, 1879 | 725 | 208 | 15 | 995 |
| 211,375 | Breckenridge, Joseph W., assignor to self, J. F. Marks, and J. A. Stein, La Fayette, Ind. Pneumatic stencil-pen | Jan. 14, 1879 | 357 | 103 | 15 | 46 |
| | Breckenridge, William R. (*See* Yount, Andrew, assignor.) | | | | | |
| 214,357 | Breeden, Joseph, Birmingham, England. Holder for globes and shades for gas and other lights | Apr. 15, 1879 | 759 | 212 | 15 | 586 |
| 222,655 | Breeding, William P., assignor of one-half interest to C. H. Horne, Philadelphia, Pa. Galvanizing pipe and tubing | Dec. 16, 1879 | 641 | 183 | 16 | 1116 |
| 222,235 | Breese, Ambrose, Bellevue, Iowa. Watch-case | Dec. 2, 1879 | 141 | 35 | 16 | 1028 |
| 217,328 | Breidenbach, Peter, Kenton, Ohio. Double-acting force-pump | July 8, 1879 | 446 | 131 | 16 | 69 |
| 220,334 | Breinig, Revere M., assignor to L. Richardson, Brooklyn, N. Y. Varnish | Oct. 7, 1879 | 137 | ..... | 16 | 654 |
| 218,225 | Brekke, Lewis O., assignor of one-half interest to W. H. Manning, Decorah, Iowa. Grain-binder | Aug. 5, 1879 | 134 | 36, 37 | 16 | 238 |
| 221,280 | Brekke, Lewis O., assignor to W. H. Manning, Decorah, Iowa. Draft-equalizer | Nov. 4, 1879 | 153 | 42 | 16 | 834 |
| 211,551 | Brem, Charles F., Charlotte, N. C. Car-coupling | Jan. 21, 1879 | 554 | 157 | 15 | 74 |
| 216,505 | Bremaker, Charles, Louisville, Ky. Engine for preparing stock for making paper-pulp | June 17, 1879 | 572 | 164 | 15 | 974 |
| | Bremer, Edward J., *et al.* (*See* Weber, Theodore A., assignor.) | | | | | |
| 216,139 | Brenner, Ernest W., assignor of one-half interest to O. Larose, Fort Totten, Dak. Stamp-canceler | June 3, 1879 | 138 | 41 | 15 | 902 |
| 219,206 | Brent, Nathaniel F., Stillwater, Minn. Car-coupling | Sept. 2, 1879 | 160 | 48 | 16 | 433 |
| 215,503 | Brenton, William, Polhathic St. Germans, Cornwall County, England. Safety-bolt | May 20, 1879 | 622 | 182 | 15 | 795 |
| | Breon, George. (*See* Nixon, Francis M., assignor.) | | | | | |
| 222,376 | Bretonneau, Alexis, fils Mortagne-sur-Sevre, France. Expansion-valve for steam-engines | Dec. 9, 1879 | 294 | 82 | 16 | 1059 |
| 211,494 | Brettell, Edward W., Baltimore, Md. Call-bell | Jan. 21, 1879 | 490 | 139 | 15 | 66 |
| 215,042 | Breul, Richard, Bridgeport, Conn. Button | May 6, 1879 | 65 | 20 | 15 | 711 |
| 214,876 | Brevoort, William H., Vincennes, Ind. Vehicle-axle lubricator | Apr. 29, 1879 | 1361 | 379 | 15 | 678 |
| | Brewer, Benjamin B. (*See* Waterhouse, Addison G., assignor.) | | | | | |
| 216,140 | Brewer, Benjamin B., and B. B. Ward, Sacramento, Cal. Hydraulic propeller | June 3, 1879 | 139 | 41 | 15 | 903 |
| 215,089 | Brewer, Charles W., Racine, Wis. Agraffe for piano-fortes | May 6, 1879 | 118 | 35 | 15 | 717 |
| 216,648 | Brewer, Nelson W., Williamsport, Pa. Whiffletree | June 17, 1879 | 725 | 208 | 15 | 995 |
| 216,374 | Brewer, Wesley S., Richmond, Ind. Drag-saw | June 10, 1879 | 424 | 121 | 15 | 945 |
| | Brewster & Co., J. B. (*See* Morgan, James L., assignor.) | | | | | |
| 219,683 | Brewster, Daniel D., Z. C., and R. A., Unadilla, N. Y. Apparatus for manufacturing buckwheat-flour | Sept. 16, 1879 | 724 | 200, 201 | 16 | 521 |
| 219,382 | Brewster, Robert, London, England. Apparatus for the treatment of celluloid and vulcanite in the manufacture of dental plates, &c | Sept. 9, 1879 | 382 | 107 | 16 | 468 |
| | Brewster, Roscoe A. (*See* Brewster, Daniel D., Z. C., and R. A.) | | | | | |
| | Brewster, Zeno C. (*See* Brewster, Daniel D., Z. C., and R. A.) | | | | | |
| 213,165 | Brice, William A., Paris, France. Device for lowering and detaching boats | Mar. 11, 1879 | 480 | 133 | 15 | 366 |
| | Brichman, Alexander. (*See* Callie, Alexander, assignor.) | | | | | |
| 223,109 | Brick, Alfred H., Winchenden, Mass. Convertible chair | Dec. 30, 1879 | 1168 | 329 | 16 | 1211 |
| 212,889 | Bridenthal, Harry H., jr., Latrobe, Pa. Road-engine | Mar. 4, 1879 | 137 | 39 | 15 | 314 |
| 215,090 | Bridewell, Richard F., San Francisco, Cal. Stamp-battery for quartz-mills | May 6, 1879 | 119 | 35 | 15 | 717 |
| | Bridge, James P., *et al.* (*See* Mayo & Noyes, assignors.) | | | | | |
| 216,141 | Bridge, James P., Tyngsborough, Mass. Sewing-machine needle | June 3, 1879 | 140 | 41 | 15 | 903 |
| | Bridgeport Brass Company. (*See* Lincoln, William O., assignor.) | | | | | |
| 219,383 | Bridges, Frank L., Braddocks, Pa. Railway-switch | Sept. 9, 1879 | 385 | 107, 108 | 16 | 469 |
| 218,922 | Bridges, John, assignor to self, H. N. and M. M. Kellogg, Leon, Iowa. Water-governor for boilers | Aug. 26, 1879 | 971 | 273 | 16 | 382 |
| 219,442 | Bridges, Lorenzo S., Woodville, Mass. Mechanism for setting and finishing shoe-sole edges | Sept. 9, 1879 | 451 | 125 | 16 | 477 |
| 221,509 | Bried, Charles, Newark, N. J. Fastening for mail-bags | Nov. 11, 1879 | 436 | 118 | 16 | 881 |
| 221,510 | Same.....Steam-boiler | Nov. 11, 1879 | 437 | 118 | 16 | 881 |
| 212,351 | Brieder, Charles W., Niles, assignor of one-half interest to J. Reed & Sons, Warren, Ohio. Stove-oven door and shelf | Feb. 18, 1879 | 617 | 173 | 15 | 211 |
| 220,957 | Brigg, William W., Charlotte, N. C. Saw-cleaner for cotton-gins | Oct. 28, 1879 | 886 | 237 | 16 | 777 |
| 212,836 | Briggle, Jacob, Washington, Pa. Horse-tail protector | Mar. 4, 1879 | 65 | 19 | 15 | 306 |
| | Briggs, Arthur E. (*See* Anderson & Briggs.) | | | | | |
| 218,702 | Briggs, Arthur E., assignor to Post & Co., Cincinnati, Ohio. Telephone and microphone switch | Aug. 19, 1879 | 694 | 197 | 16 | 334 |
| | Briggs, Hiram G. (*See* Briggs, Philander W. and H. G.) | | | | | |
| | Briggs, James W. (*See* Mayo, Charles H., assignor.) | | | | | |
| 222,449 | Briggs, Josiah, Newark, N. J., assignor to E. Maynz, Boston, Mass. Lacing-hook | Dec. 9, 1879 | 375 | 106 | 16 | 1070 |
| | Briggs, Myron C. (*See* Culver, Jones & Briggs.) | | | | | |
| 214,094 | Briggs, Philander W., and H. G., Howell, Mich. Grain-drill gage | Apr. 8, 1879 | 438 | 124 | 15 | 535 |
| 217,329 | Briggs, Richard H., and J. H. Dougherty, Whistler, Ala. Chuck for boring car-brasses | July 8, 1879 | 448 | 131 | 16 | 69 |
| 222,126 | Briggs, William M., Stoughton, assignor to self and J. Tisdale, Norwood, Mass. Calculator | Dec. 2, 1879 | 10 | 3 | 16 | 1010 |
| 215,788 | Brigham, William V., Newton, assignor of one-half interest to Carter, Rice & Co., Boston, Mass. Coin-package | May 27, 1879 | 940 | 276 | 15 | 846 |
| 213,969 | Bright, Charles A. H., Bridgeport, Conn. Tramp safe-guard | Apr. 8, 1879 | 273 | 79 | 15 | 516 |
| 217,261 | Bright, Richard A., jr., Providence, R. I. Cigar-bunch-making machine | July 8, 1879 | 379 | 112 | 16 | 60 |
| 216,256 | Brightman, John C., and J. B. Burrell, Fall River, Mass. Box-loop for harness | June 10, 1879 | 277 | 82 | 15 | 927 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume | | Official Gazette. | |
|---|---|---|---|---|---|---|
| | | | Spec. | Dr'g. | Vol. | Page. |
| 213, 017 | Brightman, Latham, assignor to Cleveland Rolling Mill Company, Cleveland, Ohio. Wire-splicing machine | Mar. 25, 1879 | 972 | 275 | 15 | 446 |
| | Brighty, William. (*See* Paine, Brighty & Pulner.) | | | | | |
| 217, 983 | Bringier, Louis A., Ascension Parish, La. Back-band for plow-harness | July 29, 1879 | 1203 | 345 | 16 | 196 |
| 214, 095 | Brinkerhoff, Jacob, Auburn, N. Y. Barbed fence | Apr. 8, 1879 | 439 | 124 | 15 | 535 |
| 216, 778 | Brinkerhoff, Jacob and W. M., Auburn, N. Y. Fence-hook | June 24, 1879 | 889 | 252 | 15 | 1026 |
| 216, 779 | Same.....Metallic fence-twister | June 24, 1879 | 890 | 253 | 15 | 1026 |
| 219, 143 | Brinkerhoff, Jacob and W. M., Auburn, N. Y., assignor to Washburn & Moen Manufacturing Company, Worcester, Mass. Barbed fence | Sept. 2, 1879 | 96 | 28 | 16 | 425 |
| | Brinkerhoff, Warren M. (*See* Brinkerhoff, Jacob and W. M.) | | | | | |
| 8, 983 | Brinser, Solomon C., Middletown, Pa. Horse-rake.....(Reissue) | Dec. 2, 1879 | 255 | 69, 70 | 16 | 1041 |
| 212, 350 | Brinton, Caleb, Chicago, Ill. Cover for barrels | Feb. 18, 1879 | 616 | 173 | 15 | 211 |
| 221, 391 | Same.....Auger | Nov. 11, 1879 | 298 | 81 | 16 | 862 |
| 211, 552 | Brisbane, Margaret L., New York, N. Y. Dish for refrigerating and preserving food. | Jan. 21, 1879 | 555 | 157 | 15 | 74 |
| 215, 317 | Brison, Joseph, assignor of one-half interest to E. F. Hay, Wheeling, W. Va. Toy pistol | May 13, 1879 | 409 | 121 | 15 | 757 |
| | Bristol Brass and Clock Company. (*See* Brown & Taplin, assignors.) | | | | | |
| 214, 096 | Bristol, Charles B., New Haven, Conn. Trace-buckle | Apr. 8, 1879 | 439 | 124 | 15 | 535 |
| 218, 923 | Same.....Breast-strap hook | Aug. 26, 1879 | 972 | 273 | 16 | 382 |
| 217, 856 | Brittain, William J., Half Rock, Mo. Stalk-cutter | July 29, 1879 | 1067 | 307 | 16 | 177 |
| 222, 862 | Brittan, Atwell C., Theresa, N. Y. Rocking-chair | Dec. 23, 1879 | 880 | 253 | 16 | 1161 |
| 220, 958 | Britton, Merritt C. W. C., New York, N. Y. Spark-arrester | Oct. 28, 1879 | 888 | 237 | 16 | 778 |
| | Brizendine, Thomas J. (*See* Mathis, Alfred W., assignor.) | | | | | |
| 212, 890 | Brochocki, Thomas D., Boulogne, France. Bleaching compound | Mar. 4, 1879 | 139 | ..... | 15 | 314 |
| | Brock, Matthias. (*See* Copeland & Brock.) | | | | | |
| | Same .....(*See* Copeland, Woodward & Brock.) | | | | | |
| | Same.....(*See* Woodward & Brock.) | | | | | |
| 214, 754 | Brock, Matthias, E. Woodward, Boston, and G. W. Copeland, Malden, Mass., assignors to Copeland Lasting Machine Company, Hartford, Conn. Gang-tacking machine | Apr. 29, 1879 | 1221 | 342, 343 | 15 | 660 |
| 217, 984 | Brock, William E., New York, N. Y. Building | July 29, 1879 | 1204 | 345, 346 | 16 | 196 |
| 215, 206 | Brocksieper, Frederick W., assignor to Sargent & Co., New Haven, Conn. Keeper for door-latches | May 13, 1879 | 276 | 81 | 15 | 740 |
| 217, 771 | Brodie, James H., Richmond, near Melbourne, Victoria, Australia. Thill-coupling | July 22, 1879 | 961 | 276 | 16 | 157 |
| 215, 431 | Broden, William H., Webb's Landing, Cal. Target | May 20, 1879 | 534 | 158 | 15 | 783 |
| 217, 770 | Broden, William H., Oakland, Cal. Sight for fire-arms | July 22, 1879 | 959 | 275 | 16 | 157 |
| 8, 816 | Brombacher, Charles, Tarrytown, N. Y. Shears for cutting paper.....(Reissue) | July 22, 1879 | 1051 | 301 | 16 | 169 |
| 216, 142 | Bronson, Mathuel A., Streator, assignor to E. L. Doud, Plainfield, and W. S. Jackson, Streator, Ill. Bed-spring | June 3, 1879 | 141 | 42 | 15 | 903 |
| 213, 318 | Brook, Edward, and A. Wilson, Middlesborough-on-Tees, England. Gas-generating furnace | Mar. 18, 1879 | 651 | 184 | 15 | 397 |
| 211, 695 | Brook, George, jr., and J. Stake, Huddersfield, England. Wool-combing machine | Jan. 28, 1879 | 737 | 205, 206 | 15 | 101 |
| 221, 026 | Brookbank, Charles H., Connersville, Ind. Grain-separator | Oct. 28, 1879 | 967 | 257 | 16 | 788 |
| 211, 376 | Brooke, Horace L., Baltimore, Md. Plant and process for the manufacture of charcoal and hyroligneous acid | Jan. 14, 1879 | 358 | 104 | 15 | 46 |
| | Brooke, John C. (*See* Nichols, Joseph H., assignor.) | | | | | |
| 216, 257 | Brooke, John H., Cincinnati, Ohio. Pattern for garments | June 10, 1879 | 277 | 82 | 15 | 927 |
| 222, 656 | Brooke, Samuel W., Newark, Ohio. Meal-chest | Dec. 16, 1879 | 641 | 184 | 16 | 1116 |
| 217, 053 | Brooke, St. Pierre, Saint Louis, Mo. Grain steamer and drier | July 1, 1879 | 141 | 41 | 16 | 21 |
| 220, 697 | Brookes, Rose E., Chicago, Ill. Dress-button | Oct. 21, 1879 | 571 | 152 | 16 | 727 |
| 211, 832 | Brooks, Asa T., and W. T. Munger, assignors to Russell & Erwin Manufacturing Company, New Britain, Conn. Lock | Feb. 4, 1879 | 4 | 1 | 15 | 127 |
| 218, 703 | Brooks, Charles A., Lenox, Iowa. Trace-supporter | Aug. 19, 1879 | 695 | 197 | 16 | 334 |
| | Brooks, Hiram W., *et al.* (*See* Shaw, Ai B., assignor).....(Reissue.) | | | | | |
| 8, 554 | Brooks, Isaac, Dover, N. H., assignor to Sawyer Woolen Mills. Cloth-shearing machine.....(Reissue) | Jan. 28, 1879 | 894 | 251 | 15 | 121 |
| | Brooks, James W, trustee. (*See* Chase, Charles W., assignor.) | | | | | |
| | Brooks, James W., *et al.*, trustees. (*See* Goddu, Louis, assignor.) | | | | | |
| | Same.....(*See* Richardson, Elton F., assignor.) | | | | | |
| | Brooks, James W., trustee. (*See* Saloshinsky, Herman, assignor) .....(Reissue.) | | | | | |
| | Brooks, James W., *et al.*, trustees. (*See* Wilbur, Andrew J., assignor.) | | | | | |
| 221, 027 | Brooks, John B, Birmingham, Warwick County, England. Suspenders | Oct. 28, 1879 | 968 | 257, 258 | 16 | 788 |
| 223, 110 | Same.....Traveling-bag fastener | Dec. 30, 1879 | 1169 | 329 | 16 | 1211 |
| 215, 043 | Brooks, Luther F., Medford, Mass. Fastening for a guard-chain or scarf | May 6, 1879 | 66 | 20 | 15 | 711 |
| | Brooks, S. N., administrator. (*See* Yale, Linus, jr.).....(Reissue.) | | | | | |
| 214, 097 | Brooks, Theodore S., Garrison, N. Y. Apparatus for heating buildings by compressed air | Apr. 8, 1879 | 440 | 125 | 15 | 535 |
| 222, 236 | Brooks, Willard P., Topeka, Kans. Washing-machine | Dec. 2, 1879 | 142 | 35, 36 | 16 | 1028 |
| 216, 143 | Brooks, William B., and J. Braswell, Warren, Ark. Fastening for ropes | June 3, 1879 | 141 | 42 | 15 | 903 |
| 221, 442 | Broome, Henry, Springfield, Ohio. Pipe-joint | Nov. 11, 1879 | 354 | 97 | 16 | 870 |
| | Broome, Lewis H. (*See* Davies & Chidester, assignors.) | | | | | |
| 213, 970 | Brosemann, Ernst, New York, N. Y. Trimming | Apr. 8, 1879 | 274 | 79 | 15 | 516 |
| | Brosius, Samuel G. (*See* Blackburn & Brosius.) | | | | | |
| | Brotherhood, Alfred. (*See* Brown, Henry, assignor.) | | | | | |
| 211, 649 | Brott, George F., Washington, D. C. Cylindrical and coil boiler | Jan. 28, 1879 | 686 | 193 | 15 | 94 |
| 212, 436 | Broughton, John, Brooklyn, N. Y. Self-closing cock and faucet, &c. | Feb. 18, 1879 | 719 | 199 | 15 | 224 |
| 218, 481 | Same.....Hermetically-sealed metal can | Aug. 12, 1879 | 438 | 122 | 16 | 290 |
| 220, 335 | Broughton, John, assignor to D. H. Fitzgerald, Brooklyn, N. Y. Sash-fastener | Oct. 7, 1879 | 138 | 38 | 16 | 654 |
| 217, 985 | Browell, Jeremiah, San Francisco, Cal. Sectional chimney | July 29, 1879 | 1205 | 346 | 16 | 196 |
| 222, 811 | Brower, Bloomfield, New York, N. Y. Inkstand | Dec. 23, 1879 | 817 | 234 | 16 | 1152 |
| 213, 319 | Brown, Aaron B. and W. P., Worcester, Mass. Coating metals | Mar. 18, 1879 | 653 | ..... | 15 | 397 |
| 214, 360 | Brown, Aaron B., Worcester, Mass. Composition for cleansing the surfaces of metals. | Apr. 15, 1879 | 762 | ..... | 15 | 586 |
| 215, 875 | Same.....Lubricating material for use in wire-drawing | May 27, 1879 | 1044 | ..... | 15 | 858 |
| 221, 028 | Brown, Aaron B. and W. P., Worcester, Mass. Composition for coating metals | Oct. 28, 1879 | 970 | ..... | 16 | 788 |
| | Brown, A. Swan. (*See* Grassler, William F., assignor.) | | | | | |
| 213, 167 | Brown, Benoni S., New York, N. Y. Hand-piece for dental engines | Mar. 11, 1879 | 482 | 133 | 15 | 366 |
| | Brown & Brothers. (*See* White, Le Roy S., assignor.) | | | | | |
| 219, 144 | Brown, Caleb E., Jackson, Mich. Attachment for plows | Sept. 2, 1879 | 97 | 29 | 16 | 425 |
| 220, 337 | Brown, Calvin, Maro Island, Cal. Lime and cement kiln | Oct. 7, 1879 | 141 | 38 | 16 | 654 |
| 222, 004 | Same.....Manufacture of artificial hydraulic or Portland cement | Nov. 25, 1879 | 1020 | ..... | 16 | 978 |
| 217, 772 | Brown, Charles, Vermont, Ill. Hog-cholera compound | July 22, 1879 | 961 | ..... | 16 | 157 |
| 221, 029 | Brown, Charles A., Troy, N. Y. Shirt | Oct. 28, 1879 | 970 | 258 | 16 | 788 |
| 220, 698 | Brown, Charles B., Georgetown, D. C. Coffee and rice huller | Oct. 21, 1879 | 572 | 152 | 16 | 727 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 217,676 | Brown, Charles E., Salem, Mass. Wheel-fender for railway-cars | July 22, 1879 | 865 | 246 | 16 | 144 |
| | Brown, Charles F. (*See* Lombard, Charles E., assignor.) | | | | | |
| | Same.....(*See* Manny, C. Otto, assignor.) | | | | | |
| 212,654 | Brown, Charles H., East Bridgewater, Mass. Heel-shave | Feb. 25, 1879 | 987 | 274 | 15 | 268 |
| | Brown, Charles L. (*See* Werner, John A., assignor.) | | | | | |
| 217,444 | Brown, Charles T., Chicago, Ill. Type-writing machine | July 15, 1879 | 592 | 169, 170 | 16 | 99 |
| | Brown Cotton Gin Company. (*See* Brown, Israel F., assignor.) | | | | | |
| 218,809 | Brown, Darius C., Lowell, Mass. Wire heddle and frame | Aug. 26, 1879 | 828 | 235 | 16 | 363 |
| | Brown, Elijah. (*See* Miller, Tallmadge & Brown.) | | | | | |
| | Brown, Elizabeth A. (*See* Tripp, Thomas, assignor.) | | | | | |
| 219,207 | Brown, Felix, New York, N. Y. Pulley | Sept. 2, 1879 | 161 | 49 | 16 | 433 |
| 220,338 | Brown, Felix S., Jersey City, N. J. Suspender-end | Oct. 7, 1879 | 143 | 39 | 16 | 654 |
| | Brown, Frederick E., *et al.* (*See* Wardill, Charles F., assignor.) | | | | | |
| 216,596 | Brown, Freeman, assignor to L. E. Hastings, Haverhill, Mass. Friction compound for belts | June 17, 1879 | 675 | ..... | 15 | 988 |
| | Brown, George, *et al.* (*See* Cunningham, Herman E., assignor.) | | | | | |
| | Same.....(*See* Forrester, Isaac N., assignor.) | | | | | |
| | Same.....(*See* Hartmann, Ernest L., assignor.) | | | | | |
| | Same.....(*See* Howard, James S., assignor.) | | | | | |
| | Same.....(*See* Kershaw, Thomas, assignor.) | | | | | |
| | Brown, George. (*See* Perkins & Brown.) | | | | | |
| | Same .....same.....(Reissue.) | | | | | |
| | Brown, George, *et al.* (*See* Stamour, John B., assignor.) | | | | | |
| | Brown, George B. (*See* Lafferty & Brown.) | | | | | |
| 214,359 | Brown, George P., Baltimore, Md. Medicated candy | Apr. 15, 1879 | 762 | ..... | 15 | 586 |
| 213,972 | Brown, George W., Galesburg, Ill. Corn-planter | Apr. 8, 1879 | 275 | 80 | 15 | 516 |
| 215,207 | Same.....same | May 13, 1879 | 277 | 81 | 15 | 740 |
| 212,437 | Brown, George W., and A. Taplin, Forestville, assignors to Bristol Brass and Clock Company, Bristol, Conn. Shade-holder for lamps | Feb. 18, 1879 | 720 | 199 | 15 | 225 |
| 214,877 | Brown, Gilbert, West Pittston, Pa. Churn | Apr. 29, 1879 | 1362 | 379 | 15 | 678 |
| 216,936 | Brown, Harrison H., Ladoga, Wis. Sad-iron heater | July 1, 1879 | 10 | 3 | 16 | 4 |
| | Brown, Hattie S. (*See* Crossman, Charles P., assignor.) | | | | | |
| | Brown, Heman M. (*See* Baker, Abner S., assignor.) | | | | | |
| 222,622 | Brown, Henry, assignor to self and A. Brotherhood, Charleston, S. C. Nautical alarm-bell | Dec. 16, 1879 | 601 | 171 | 16 | 1110 |
| 217,263 | Brown, Henry M., Lore City, Ohio. Churn | July 8, 1879 | 381 | 112 | 16 | 61 |
| | Brown, Henry S., *et al.* (*See* Goodman, Henry, assignor.) | | | | | |
| | Brown, Hiram B. (*See* Brown, Silas H., assignor.) | | | | | |
| | Brown, Isaiah. (*See* Mackbee, Samuel, assignor.) | | | | | |
| 220,336 | Brown, Israel F., assignor to Brown Cotton Gin Company, New London, Conn. Feeder for cotton-gins | Oct. 7, 1879 | 140 | 38 | 16 | 654 |
| 220,270 | Brown, James B., New York, and J. Pentreath, Yonkers, N. Y. Plow-point | Oct. 7, 1879 | 66 | 18 | 16 | 643 |
| 213,618 | Brown, James H., Ottawa, Ill. Hog-ringing implement | Mar. 25, 1879 | 973 | 275 | 15 | 446 |
| 218,226 | Brown, James J., Madison, Wis. Heating apparatus | Aug. 5, 1879 | 137 | 37, 38 | 16 | 239 |
| | Brown, James M. (*See* Woolsey, John B., assignor.) | | | | | |
| 211,377 | Brown, James O., Benton, Me. Harvester-cutter | Jan. 14, 1879 | 359 | 104 | 15 | 46 |
| 215,789 | Brown, James O., Benton, assignor of one-half interest to H. W. Spratt, Orrington, Me. Guard-finger | May 27, 1879 | 940 | 276 | 15 | 846 |
| 219,905 | Brown, James O., Benton, Me. Rail-joint | Sept. 23, 1879 | 973 | 270 | 16 | 565 |
| 222,237 | Brown, James T., Saranac, Mich. Fire-pot for soldering iron-heaters | Dec. 2, 1879 | 143 | 36 | 16 | 1028 |
| 214,616 | Brown, James W., Mayfield, Ky. Propeller for vessels | Apr. 22, 1879 | 1061 | 298 | 15 | 632 |
| 215,432 | Same.....Vibrating propeller | May 20, 1879 | 536 | 158 | 15 | 784 |
| 220,015 | Brown, James W., and W. D. Doremus, Washington, D. C. Stamp-canceler | Sept. 30, 1879 | 1102 | 305 | 16 | 591 |
| 216,306 | Brown, John, Boston, Mass. Shoe upper | June 10, 1879 | 339 | 99 | 15 | 935 |
| 220,216 | Brown, John, Memphis, Tenn. Cotton-press | Oct. 7, 1879 | 5 | 2 | 16 | 635 |
| | Brown, John A. (*See* Ladd, George W., assignor.) | | | | | |
| 215,565 | Brown, John A., Ann Arbor, Mich. Hay rake and tedder | May 20, 1879 | 689 | 202 | 15 | 804 |
| 215,318 | Brown, John F., Brooklyn, N. Y. Retainer for extension-tubes of chandeliers | May 13, 1879 | 410 | 121 | 15 | 758 |
| 215,790 | Brown, John H., assignor to Kursheedt Manufacturing Company, New York, N. Y. Plaiting-machine | May 27, 1879 | 941 | 276, 277 | 15 | 846 |
| 221,662 | Brown, John M., Swarthmore, Pa. Harness mechanism for looms | Nov. 18, 1879 | 607 | 170 | 16 | 914 |
| 215,504 | Brown, John S., Galveston, Tex. Spur | May 20, 1879 | 623 | 182 | 15 | 795 |
| 221,211 | Same..... Sheet-metal hame | Nov. 4, 1879 | 76 | 20 | 16 | 322 |
| 219,065 | Brown, Joseph M., Florence, Tex. Combined planter and cultivator | Sept. 2, 1879 | 8 | 3 | 16 | 414 |
| 214,485 | Brown, Joseph M., and G. Craw, Oconomowoc, Wis.; said Craw assignor to said Brown. Clothes-reel | Apr. 22, 1879 | 907 | 256 | 15 | 613 |
| 8,812 | Brown, Joseph R., and W. A. Fosket, New Haven, Conn., assignors to Providence Steam and Gas Pipe Company. Automatic fire-extinguisher. (Reissue) | July 15, 1879 | 853 | 243 | 16 | 133 |
| 8,833 | Same.....Automatic fire-extinguisher.....(Reissue) | Aug. 5, 1879 | 285 | 78 | 16 | 258 |
| 211,696 | Brown, Leroy, Waitsburg, Wash. Sulky-plow | Jan. 28, 1879 | 738 | 206 | 15 | 101 |
| 216,996 | Brown, Lewis E., Cincinnati, Ohio. Scoop, sifter, and strainer combined | July 1, 1879 | 73 | 22 | 16 | 12 |
| | Brown, Lucian, *et al.* (*See* Forrester, Isaac N., assignor.) | | | | | |
| | Same .....(*See* Hartmann, Ernest L., assignor.) | | | | | |
| | Same .....(*See* Howard, James S., assignor.) | | | | | |
| | Same .....(*See* Kershaw, Thomas, assignor.) | | | | | |
| | Brown, Lucien, *et al.* (*See* Cunningham, Herman E., assignor.) | | | | | |
| | Same .....(*See* Stamour, John B., assignor.) | | | | | |
| | Brown, Luther J. (*See* Gleason, Dexter, assignor.) | | | | | |
| | Brown, Manson S. (*See* Avery, Ezra W., assignor.) | | | | | |
| | Brown, M. Campbell. (*See* Dow & Brown.) | | | | | |
| 216,506 | Brown, M. Campbell, Cleveland, Ohio. Oil-car | June 17, 1879 | 573 | 164 | 15 | 974 |
| 216,375 | Brown, Mercer, Vermillion Grove, Ill. Sulky-plow attachment | June 10, 1879 | 427 | 121 | 15 | 946 |
| 221,282 | Brown, Mercilcus P., Fayetteville, Mo. Corn-planter | Nov. 4, 1879 | 155 | 42 | 16 | 834 |
| | Brown, N. B., *et al.* (*See* Sanford, Sylvester, assignor.) | | | | | |
| | Brown, Orvil P., *et al.* (*See* Hyatt, Edmun, assignor.) | | | | | |
| 221,281 | Brown, Richard, Ayr, Ayr County, Scotland. Manufacture of chrome-steel | Nov. 4, 1879 | 154 | ..... | 16 | 831 |
| 221,392 | Brown, Samuel, Philadelphia, Pa. Lathe attachment for turning lathe-centers | Nov. 11, 1879 | 299 | 82 | 16 | 862 |
| 215,874 | Brown, Samuel, assignor to self and W. Moored, Burnip's Corners, Mich. Neck-yoke coupling for vehicles | May 27, 1879 | 1043 | 304 | 15 | 858 |
| 216,305 | Brown, Samuel, assignor of one-half interest to B. F. Shibe, Philadelphia, Pa. Machine for making balls out of leather scraps and similar material | June 10, 1879 | 338 | 99 | 15 | 934 |
| | Brown, Samuel C. (*See* Agnew, Daniel, assignor.) | | | | | |
| | Brown, Samuel N. (*See* Guard, Chauncey H., assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Brown & Sharpe Manufacturing Company. (*See* Carleton, Cyrus, assignor.) | | | | | |
| 214, 808 | Brown, Silas H., Lansingburg, assignor to H. B. Brown, Troy, N. Y. Hydrant | Apr. 29, 1879 | 1288 | 360 | 15 | 669 |
| 211, 553 | Brown, Silas M., Marengo, Ohio. Bosom-board | Jan. 21, 1879 | 556 | 157 | 15 | 74 |
| | Brown, Simeon B. (*See* Hurd, Warren, assignor.) | | | | | |
| | Brown, Thomas. (*See* McCaw & Brown.) | | | | | |
| 217, 986 | Brown, Thomas, Cedar Rapids, Iowa. Grain-drier | July 29, 1879 | 1207 | 346 | 16 | 196 |
| 221, 511 | Brown, Thomas G., New York, N. Y. Bracelet | Nov. 11, 1879 | 438 | 119 | 16 | 881 |
| | Brown, Thomas H. (*See* Williams & Brown.) | | | | | |
| 222, 238 | Brown, Thomas T., assignor of two-thirds interest to L. Snydacker and E. Voss, Chicago, Ill. Bung and bush | Dec. 2, 1879 | 144 | 36 | 16 | 1028 |
| 219, 384 | Brown, Thomas Y., Reading, Pa. Gun-wiper | Sept. 9, 1879 | 386 | 108 | 16 | 469 |
| 219, 385 | Same.....same | Sept. 9, 1879 | 387 | 108 | 16 | 469 |
| 214, 484 | Brown, T. Yardley, Reading, Pa. Gun-wiper | Apr. 22, 1879 | 905 | 256 | 15 | 613 |
| | Brown, Wendell P. (*See* Brown, Aaron B. and W. P.) | | | | | |
| 216, 079 | Brown, William, Smithville, N. J. Pulley | June 3, 1879 | 80 | 23 | 15 | 895 |
| 216, 650 | Brown, William B., Wheat Ridge, Ohio. Ventilator | June 17, 1879 | 728 | 208 | 15 | 995 |
| | Brown, William H. (*See* Reynolds & Brown.) | | | | | |
| | Same.....(*See* Seymour, Frederick J., assignor.) | | | | | |
| 214, 617 | Brown, William H., Waterbury, Conn. Utensil for mixing and imbibing liquids | Apr. 22, 1879 | 1062 | 298 | 15 | 632 |
| 222, 450 | Brown, William H., Waterbury, and F. J. Seymour, Wolcottville, Conn. Steam-boiler | Dec. 9, 1879 | 376 | 106 | 16 | 1070 |
| 216, 144 | Brown, William J., jr., Philadelphia, Pa. Machine for inserting and clinching metallic staples | June 3, 1879 | 142 | 42 | 15 | 903 |
| 218, 227 | Same.....Device for inserting and clinching metallic staples | Aug. 5, 1879 | 138 | 38 | 16 | 239 |
| 214, 878 | Brown, William M., Marinette, Wis. Saw-filing machine | Apr. 29, 1879 | 1363 | 379 | 15 | 678 |
| 216, 145 | Brown, William P., Zanesville, Ohio. Plow and cultivator coupling | June 3, 1879 | 144 | 43 | 15 | 903 |
| 216, 146 | Same.....Plow attachment | June 3, 1879 | 145 | 43 | 15 | 903 |
| 216, 147 | Same.....Support for wagon-seats | June 3, 1879 | 146 | 43 | 15 | 903 |
| 220, 463 | Same.....Cultivator | Oct. 14, 1879 | 288 | 77 | 16 | 683 |
| 220, 571 | Same.....same | Oct. 14, 1879 | 424 | 110 | 16 | 700 |
| | Brown, William W. (*See* Titus, George M., assignor.) | | | | | |
| | Browne, Arthur W. (*See* Johnston & Browne.) | | | | | |
| 218, 660 | Browne, Charles H., Jackson, Mich. Millstone-dressing machine | Aug. 19, 1879 | 649 | 183, 184 | 16 | 327 |
| | Browne, George. (*See* Perkins & Browne.) | | | | | |
| 222, 005 | Browne, George, Philadelphia, Pa. Soldering-machine | Nov. 25, 1879 | 1021 | 286 | 16 | 978 |
| | Browne, Hugh M. (*See* Bailis, William, assignor.) | | | | | |
| 215, 876 | Browne, James E., Elizabeth, N. J. Velocipede | May 27, 1879 | 1044 | 304 | 15 | 858 |
| | Browne, William H. (*See* Whiteford, John, assignor.) | | | | | |
| 213, 037 | Brownell, Andrew S., Watertown, Mass. Coupling for pipes | Mar. 11, 1879 | 322 | 90 | 15 | 346 |
| | Brownell, Anna J. (*See* Brownell, Willis L., assignor.) | | | | | |
| 213, 971 | Brownell, Merritt, Rushville, N. Y. Evaporator | Apr. 8, 1879 | 274 | 79 | 15 | 516 |
| 213, 166 | Brownell, William H., Brooklyn, N. Y. Artist's kit | Mar. 11, 1879 | 481 | 133 | 15 | 366 |
| 221, 212 | Brownell, William L., Kalamazoo, Mich. Indicator | Nov. 4, 1879 | 77 | 20 | 16 | 822 |
| 220, 748 | Brownell, Willis L., assignor to A. J. Brownell, Brooklyn, N. Y. Copper-lined boiler | Oct. 21, 1879 | 626 | 167 | 16 | 735 |
| 222, 239 | Browning, Edward L., Mayfield, Ky., assignor of one-half interest to J. E. Ashcroft, Saint Louis, Mo. Water-elevator | Dec. 2, 1879 | 144 | 36 | 16 | 1028 |
| 220, 271 | Browning, John M., Ogden City, Utah. Breech-loading fire-arm | Oct. 7, 1879 | 67 | 18 | 16 | 644 |
| 214, 358 | Browning, Perry E., Browningsville, Ky. Grain-drill | Apr. 15, 1879 | 760 | 212, 213 | 15 | 586 |
| 217, 262 | Browning, Zara C., and J. F. Hay, Montrose, Ill. Weather-strip | July 8, 1879 | 380 | 112 | 16 | 61 |
| 213, 003 | Brownwell, James M., Bedford County, Tenn. Corn-planter | Mar. 11, 1879 | 395 | 109 | 15 | 355 |
| 216, 597 | Brubaker, Daniel, Oswego, N. Y. Dressing millstones | June 17, 1879 | 675 | 192 | 15 | 988 |
| | Bruce, Enoch G., *et al.* (*See* Hodges, James C., assignor.) | | | | | |
| 211, 131 | Bruce, Esther J., New York, N. Y. Change-counter | Jan. 7, 1879 | 58 | 19 | 15 | 8 |
| | Bruce, Levi N., *et al.* (*See* Hodges, James C., assignor.) | | | | | |
| | Bruce, O. M., *et al.* (*See* Laflin, William G., assignor.) | | | | | |
| 221, 773 | Brückner, William, San Francisco, Cal. Ore reducing and pulverizing apparatus | Nov. 18, 1879 | 731 | 204 | 16 | 931 |
| 214, 549 | Bruen, John T., Brooklyn, N. Y. Extension-slide support for chandeliers | Apr. 22, 1879 | 990 | 279 | 15 | 623 |
| 214, 618 | Same.....Extension chandelier | Apr. 22, 1879 | 1063 | 298 | 15 | 633 |
| 216, 507 | Same.....Ironing and seam-opening machine | June 17, 1879 | 574 | 164 | 15 | 974 |
| 218, 924 | Same.....Drop-light and hanger | Aug. 26, 1879 | 972 | 273 | 16 | 382 |
| 222, 006 | Brument, Louis A., and S. Goldberg, New York, N. Y. Portable decorative balcony for windows | Nov. 25, 1879 | 1022 | 286 | 16 | 978 |
| | Brundred, Benjamin F. (*See* Edelen, William R., assignor.) | | | | | |
| | Same.....(*See* Wareham, Francis M., assignor.) | | | | | |
| | Brundred, William J. (*See* Culmer, John W., assignor.) | | | | | |
| 218, 704 | Bruner, James B., San Francisco, Cal. Safe-spindle | Aug. 19, 1879 | 695 | 198 | 16 | 334 |
| 212, 787 | Bruner, James W., Wheeling, W. Va. Corn planter | Mar. 4, 1879 | 8 | 2 | 15 | 298 |
| | Bruner, Philetus D. (*See* Moore & Bruner.) | | | | | |
| 219, 616 | Brunner, Burroughs P., San Francisco, Cal. Machinery for reducing old steel railway-rails to merchantable bars | Sept. 16, 1879 | 641 | 178 | 16 | 511 |
| | Brunner, Edward H. (*See* Leinbach, Wolle & Brunner.) | | | | | |
| 212, 537 | Brunner, Julius, New York, N. Y. Bell-toy | Feb. 25, 1879 | 863 | 238 | 15 | 252 |
| 220, 798 | Bruns, Hinrich, Bremerhaven, Germany. Boat-lowering apparatus | Oct. 21, 1879 | 693 | 183 | 16 | 742 |
| 215, 877 | Brunton, David W., Silver Peak, Nev. Revolving ore-roaster | May 27, 1879 | 1046 | 304 | 15 | 859 |
| 216, 148 | Same.....Ore-roasting furnace | June 3, 1879 | 146 | 43 | 15 | 903 |
| 212, 182 | Brunton, John D., and F. H. J. Trier, Battersea, England. Stone-dressing machine | Feb. 11, 1879 | 419 | 114, 115 | 15 | 182 |
| 8, 718 | Brush, Charles F., Cleveland, Ohio. Electric lamp.....(Reissue) | May 20, 1879 | 847 | 248 | 15 | 825 |
| 212, 183 | Same.....Electric-light regulator | Feb. 11, 1879 | 422 | 115, 116 | 15 | 182 |
| 217, 677 | Same.....Dynamo-electric machine | July 22, 1879 | 866 | 247 | 16 | 144 |
| 219, 208 | Same.....Electric lamp | Sept. 2, 1879 | 162 | 49 | 16 | 433 |
| 219, 209 | Same.....same | Sept. 2, 1879 | 166 | 50 | 16 | 434 |
| 219, 210 | Same.....Carbon for electric lamps | Sept. 2, 1879 | 170 | 51 | 16 | 434 |
| 219, 211 | Same.....Electric lighting device | Sept. 2, 1879 | 172 | 51 | 16 | 434 |
| 219, 212 | Same.....Electric-light apparatus | Sept. 2, 1879 | 174 | 51, 52 | 16 | 434 |
| 219, 213 | Same.....Regulating device for electric lamps | Sept. 2, 1879 | 175 | 52, 53 | 16 | 434 |
| 216, 937 | Bryan, Clark W., Great Barrington, Mass. Calendar | July 1, 1879 | 11 | 3 | 16 | 4 |
| 219, 066 | Bryan, Frank H., Troy, N. Y. Mowing-machine | Sept. 2, 1879 | 9 | 3 | 16 | 414 |
| 219, 441 | Bryan, James, and H. Mather, New York, N. Y. Lock-cock for gas-meters | Sept. 9, 1879 | 450 | 125 | 16 | 477 |
| 220, 339 | Bryan, Joseph, Boston, Mass. Boot and shoe stretcher | Oct. 7, 1879 | 143 | 39 | 16 | 654 |
| | Bryant, Bradley S. (*See* Giles & Bryant.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214,100 | Bryant, Charles J., assignor of one-half interest to G. D. Capen, Saint Louis, Mo. Machine for filling meat-cans | Apr. 8, 1879 | 444 | 26 | 15 | 535 |
| 218,228 | Bryant, Edson L., assignor to Wallace & Sons, Ansonia, Conn. Suspension-lamp | Aug. 5, 1879 | 139 | 38 | 16 | 239 |
| 218,426 | Bryant, Edson L., Ansonia, Conn., and W. F. Russell, East Orange, N. J., assignors to Wallace & Sons, Ansonia, Conn. Reflector | Aug. 12, 1879 | 371 | 101 | 16 | 281 |
| 217,577 | Bryant, James T., Richmond, Va. Feed-water cleaner | July 15, 1879 | 733 | 209 | 16 | 118 |
| 218,364 | Bryant, John W., La Porte, Ind. Manufacture of papier-maché articles | Aug. 12, 1879 | 300 | 82 | 16 | 271 |
| 212,891 | Bryant, Orrin, Westfield, assignor to H. A. Chapin, Springfield, Mass. Whip-rolling machine | Mar. 4, 1879 | 140 | 39 | 15 | 314 |
| 213,277 | Bryant, Robert H., Chicago, Ill. Upholstering-tuft | Mar. 18, 1879 | 608 | 171 | 15 | 391 |
| | Bryant, Samuel D. (*See* Watkins & Bryant.) | | | | | |
| 214,879 | Bryce, Charles K., Pittsburg, Pa. Glass-mold and method for removing articles therefrom | Apr. 29, 1879 | 1364 | 380 | 15 | 678 |
| 223,111 | Bryden, George, Hartford, Conn. Manufacture of horseshoes | Dec. 30, 1879 | 1170 | 329, 330 | 16 | 1211 |
| 212,184 | Bryson, Michael A., Saint Louis, Mo. Bosom-pad | Feb. 11, 1879 | 425 | 116 | 15 | 182 |
| 212,538 | Same.....Pannier | Feb. 25, 1879 | 864 | 239 | 15 | 252 |
| | Buchanan, James. (*See* Johnston, James L., assignor.) | | | | | |
| 213,863 | Buchanan, Sterling C., Camden, Ark. Liniment | Apr. 1, 1879 | 146 | ..... | 15 | 491 |
| 212,126 | Buchanan, William, Yonkers, N. Y. Switch-signaling apparatus | Feb. 11, 1879 | 357 | 97 | 15 | 173 |
| 220,799 | Buchanan, William T., Bonham, Tex. Compound for destroying trees, roots, &c | Oct. 21, 1879 | 695 | ..... | 16 | 743 |
| 211,833 | Buchtel, Joseph, Portland, Oreg. Electric-signal fire-hose | Feb. 4, 1879 | 5 | 2 | 15 | 127 |
| 211,084 | Buchter, Henry, Louisville, Ky. Machine for forming square chair-legs | Jan. 7, 1879 | 7 | 3 | 15 | 1 |
| 222,657 | Buck, D. Azro A., assignor to self and E. A. Locke, Waterbury, Conn. Stem-winding attachment for watches | Dec. 16, 1879 | 642 | 184 | 16 | 1117 |
| 222,658 | Same.....Watch-dial | Dec. 16, 1879 | 643 | 184 | 16 | 1117 |
| 214,990 | Buck, George, Hartford, Conn. Track-cleaner | May 6, 1879 | 10 | 4 | 15 | 704 |
| 214,098 | Buck, Henry A., assignor of one-half interest to H. Whiton, West Stafford, Conn. Breech-loading fire-arm | Apr. 8, 1879 | 441 | 125 | 15 | 535 |
| 212,655 | Buck, Horatio B., and D. H. Irland, Springfield, Ill. Coffin and other articles of paper-pulp | Feb. 25, 1879 | 988 | 274 | 15 | 268 |
| | Buckeye Engine Company. (*See* Church, William L., assignor.) | | | | | |
| 217,508 | Buckhout, Oscar K., Kalamazoo, Mich. Ammunition-case | July 15, 1879 | 658 | 187 | 16 | 108 |
| 216,019 | Buckingham, Catharinus P., Chicago, Ill. Rest and holder for pointing harrow-teeth | June 3, 1879 | 15 | 4 | 15 | 886 |
| | Buckingham, John M., *et al.* (*See* Kreis, Martin, assignor.) | | | | | |
| 216,721 | Buckler, David, Listowel, Ontario, Canada. Optical toy | June 24, 1879 | 820 | 234 | 15 | 1017 |
| 219,145 | Buckley, Andrew, Slickaway, Ky. Horse-detacher | Sept. 2, 1879 | 97 | 29 | 16 | 425 |
| 8,603 | Buckley, Chauncey, and L. L. Sawyer, Meriden, Conn. Curtain-roller and bracket. (Reissue) | Mar. 4, 1879 | 297 | 84 | 15 | 335 |
| 217,578 | Same.....Curtain-fixture | July 15, 1879 | 734 | 210 | 16 | 118 |
| 219,386 | Same.....same | Sept. 9, 1879 | 388 | 108 | 16 | 469 |
| 217,055 | Buckley, Oliver H., Stevens Plains, Me. Tea and coffee strainer | July 1, 1879 | 145 | 43 | 16 | 21 |
| 216,997 | Buckman, Alexander, assignor of one-half interest to F. P. Hardee, Castleton, N. Y. Wire bale-tie | July 1, 1879 | 74 | 22 | 16 | 12 |
| 212,438 | Buckman, George R., assignor to W. Sellers, Philadelphia, Pa. Injector for steam-boilers | Feb. 18, 1879 | 721 | 199 | 15 | 225 |
| 217,054 | Buckman, Ira, Brooklyn, N. Y. Spiral-spring hinge | July 1, 1879 | 142 | 42 | 16 | 21 |
| 217,924 | Buckman, William F., Fraser, Mich. Bag-holder | July 29, 1879 | 1147 | 328 | 16 | 188 |
| 211,697 | Bucknall, Hamilton L., 58 Seymour street, Portman Square, Middlesex County, England. Railway sleeper | Jan. 28, 1879 | 740 | 206, 207 | 15 | 102 |
| 215,433 | Bucknam, Ezra T., and H. C. Langrehr, San Francisco, Cal. Fog-horn | May 20, 1879 | 537 | 159 | 15 | 784 |
| 212,127 | Buckner, James, jr., Boston, Mass. Railway-track | Feb. 11, 1879 | 359 | 98 | 15 | 174 |
| 216,149 | Buckshaum, Charles, Brooklyn, N. Y. Cigar maker's table | June 3, 1879 | 147 | 44 | 15 | 904 |
| 212,892 | Budd, Henry, assignor to self and S. W. Budd, Philadelphia, Pa. Padlock | Mar. 4, 1879 | 142 | 40 | 15 | 314 |
| 213,168 | Budd, John, Philadelphia, Pa. Pea-shelling machine | Mar. 11, 1879 | 483 | 134 | 15 | 366 |
| 220,800 | Budd, John and S. W., Philadelphia, Pa. Pea-sheller | Oct. 21, 1879 | 695 | 184 | 16 | 743 |
| | Budd, Samuel W. (*See* Budd, Henry, assignor.) | | | | | |
| | Same.....(*See* Budd, John and S. W.) | | | | | |
| | Budd, Walter J. (*See* Wiegand, S. Lloyd, assignor.) | | | | | |
| 215,566 | Budd, William E., Chatham, N. J. Mowing-machine | May 20, 1879 | 690 | 203 | 15 | 804 |
| 217,727 | Budd, William E., and J. W. Ogden, Chatham, N. J. Gun-wad | July 22, 1879 | 921 | 264 | 16 | 151 |
| 218,926 | Budde, Bernhard, New York, N. Y. Bottle-capping machine | Aug. 26, 1879 | 975 | 274 | 16 | 382 |
| 220,340 | Budke, John F., Leechburg, Pa. Barrel, cask, &c | Oct. 7, 1879 | 144 | 39 | 16 | 654 |
| 211,617 | Budlong, Jerome J., Oswego, Ill. Manger | Jan. 28, 1879 | 647 | 181 | 15 | 89 |
| 215,567 | Budlong, Simeon, and W. O. Talcott, Providence, R. I. Belt-fastener | May 20, 1879 | 693 | 293 | 15 | 805 |
| 216,827 | Same.....same | June 24, 1879 | 945 | 269 | 15 | 1033 |
| 222,659 | Budlong, William G., assignor to Eureka Mailing Machine Company, Providence, R. I. Boot and shoe pegging machine | Dec. 16, 1879 | 644 | 184, 185 | 16 | 1117 |
| 221,512 | Buell, Charles E., New Haven, Conn. Telephone-alarm system | Nov. 11, 1879 | 439 | 119 | 16 | 881 |
| | Buerk, Jacob E. (*See* Jensen, Conrad, assignor.) | | | | | |
| 218,705 | Buermann, August, Newark, N. J. Spur | Aug. 19, 1879 | 696 | 198 | 16 | 334 |
| 218,925 | Same.....same | Aug. 26, 1879 | 974 | 274 | 16 | 382 |
| | Buffalo Dental Manufacturing Company. (*See* Alling & ReQua, assignors.) | | | | | |
| | Same.....(*See* Snow, George B., assignor.) | | | | | |
| | Buffalo Scale Company. *See* Houghton, Alfred A., assignor.) | | | | | |
| | Same.....(*See* Usher, John H., assignor.) | | | | | |
| 215,791 | Buffham, George R., Brooklyn, N. Y. Ventilator | May 27, 1879 | 944 | 277 | 15 | 846 |
| 217,857 | Buffington, Lewis C., assignor to self and C. B. Murray, Cincinnati, Ohio. Paper-folding machine | July 29, 1879 | 1068 | 307 | 16 | 178 |
| 222,007 | Bugbee, George G., assignor to self and A. J. Moore, Gonzales, Tex. Buckle | Nov. 25, 1879 | 1023 | 286 | 16 | 978 |
| | Bugbey, Benjamin N. (*See* Wible, Elias A., assignor.) | | | | | |
| 214,237 | Bühler, John G., and W. B. Pye, assignors of one-third interest to F. S. Hanson, Chicago, Ill. Grain-drier | Apr. 15, 1879 | 606 | 172 | 15 | 566 |
| 217,330 | Bull, Ole, Bergen, Oos County, Norway. Insulating attachment for violins | July 8, 1879 | 449 | 132 | 16 | 69 |
| | Bull, William. (*See* Hall, Thomas P., assignor.) | | | | | |
| 217,678 | Bullard, Ezekiel W., Barre, Mass. Churn | July 22, 1879 | 868 | 247 | 16 | 144 |
| 215,878 | Bulloch, Walter H., Chicago, Ill. Microscope | May 27, 1879 | 1046 | 305 | 15 | 859 |
| | Bullock, Charles K. (*See* Custer, Christian, assignor.) | | | | | |
| 221,393 | Bullock, E. Koyl, Detroit, Mich. Corset | Nov. 11, 1879 | 299 | 82 | 16 | 862 |
| 219,443 | Bullock, James W., assignor to self and W. C. Gray, Boston, Mass. Detachable table-leg | Sept. 9, 1879 | 452 | 126 | 16 | 477 |
| | Bullock, William R. (*See* Wiard & Bullock.) | | | | | |
| | Same.....(*See* Wiard, Bullock & Hall.) | | | | | |
| 214,880 | Bulluck, David W., Tarborough, N. C. Cotton-sack protector | Apr. 29, 1879 | 1366 | 380 | 15 | 679 |
| 217,196 | Bultz, John D., and J. L. Baker, Jacksonborough, Ohio. Vehicle-wheel hub | July 8, 1879 | 312 | 92 | 16 | 51 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Drg. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214, 755 | Bump, Franklin P., Chicago, Ill. Wrench for inserting bung-bushes | Apr. 29, 1879 | 1224 | 343 | 15 | 660 |
| | Bumpus, Ira C. (*See* Robbins & Bumpus.) | | | | | |
| 221, 663 | Bundock, Henry F., and E. T. Mapel, Sacramento, Cal. Compound for drain-tiles | Nov. 18, 1879 | 608 | 170 | 16 | 914 |
| 214, 486 | Bundy, Willard L., Auburn, N. Y. Sleeve-button | Apr. 22, 1879 | 907 | 256 | 15 | 613 |
| 217, 264 | Same.....Napkin-holder | July 8, 1879 | 382 | 113 | 16 | 61 |
| 222, 377 | Same.....Calendar-clock | Dec. 9, 1879 | 295 | 82 | 16 | 1059 |
| | Bunger, Michael E., *et al.* (*See* Frederick, Levi W., assignor.) | | | | | |
| 221, 513 | Bunker, Edgar E., Dubuque, Iowa. Stove-back | Nov. 11, 1879 | 440 | 119 | 16 | 881 |
| | Bunker, William I. (*See* Beirsdorf & Bunker.) | | | | | |
| 215, 568 | Bunnell, Jesse H., Brooklyn, N. Y. Telegraph switch-board | May 20, 1879 | 695 | 204 | 15 | 805 |
| 219, 685 | Burbank, Abner, assignor, by mesne assignments, to D. Wing and A. J. Burbank, Rochester, N. Y. Oil-stove | Sept. 16, 1879 | 727 | 201 | 16 | 522 |
| | Burbank, Alice J., *et al.* (*See* Burbank, Abner, assignor.) | | | | | |
| | Burbank, James B., *et al.* (*See* Caisse, Maxime, assignor.) | | | | | |
| | Burbank, Simeon B., *et al.* (*See* Caisse, Maxime, assignor.) | | | | | |
| | Burch & Curtis. (*See* Gillinn, Adam, assignor.) | | | | | |
| 211, 318 | Burchard, Edwards M., Washington, D. C. Knock-down butter-box | Jan. 14, 1879 | 295 | 88 | 15 | 39 |
| | Burchardt, Carl T. (*See* Nedden, Franz Z., assignor.) | | | | | |
| 220, 121 | Bürchardt, Max, Mount Vernon, N. Y. Antiseptic compound | Sept. 30, 1879 | 1235 | ..... | 16 | 609 |
| 222, 451 | Same.....Antiseptic and deodorizing compound | Dec. 9, 1879 | 378 | ..... | 16 | 1070 |
| 217, 265 | Burchfield, Augustus, Medina, Minn. Portable forge | July 8, 1879 | 382 | 113 | 16 | 61 |
| 216, 828 | Burden, James A., Troy, N. Y. Machine for making horse and mule shoes | June 24, 1879 | 948 | 269, 270 | 15 | 1033 |
| 211, 698 | Burdick, Edwin L., Sing Sing, N. Y. Uniting supplementary pieces of casting | Jan. 28, 1879 | 741 | 207 | 15 | 102 |
| 214, 809 | Burdick, Orrin H., Auburn, N. Y. Vegetable-cutter | Apr. 29, 1879 | 1290 | 361 | 15 | 669 |
| 212, 128 | Burdick, William H., Ashaway, R. I. Boot-jack | Feb. 11, 1879 | 359 | 98 | 15 | 174 |
| 217, 580 | Burdine, Will H., and C. D. Cowgill, Terre Haute, Ind. Elevator-bucket | July 15, 1879 | 737 | 210 | 16 | 118 |
| 222, 569 | Bürger, Franz, Washington, D. C. Gas-engine | Dec. 16, 1879 | 537 | 152 | 16 | 1101 |
| 222, 660 | Same.....same | Dec. 16, 1879 | 647 | 185, 186 | 16 | 1117 |
| 213, 865 | Burgess, Andrew, Owego, N. Y. Magazine-gun | Apr. 1, 1879 | 147 | 43 | 15 | 491 |
| 213, 866 | Same.....Magazine fire-arm | Apr. 1, 1879 | 149 | 44 | 15 | 492 |
| 213, 867 | Same.....same | Apr. 1, 1879 | 149 | 44 | 15 | 492 |
| 213, 868 | Same.....same | Apr. 1, 1879 | 150 | 44 | 15 | 492 |
| 213, 869 | Same.....same | Apr. 1, 1879 | 151 | 45 | 15 | 492 |
| 216, 080 | Same.....same | June 3, 1879 | 80 | 23 | 15 | 895 |
| 217, 987 | Same.....Magazine-gun | July 29, 1879 | 1208 | 346, 347 | 16 | 196 |
| 222, 008 | Same.....Magazine fire-arm | Nov. 25, 1879 | 1024 | 287 | 16 | 978 |
| 221, 152 | Burgess, Charles M., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Spring coal-tongs | Nov. 4, 1879 | 16 | 4 | 16 | 814 |
| 217, 579 | Burgess, Daniel, Noblesville, and J. M. Russell, Arcadia, Ind. Spark-arrester | July 15, 1879 | 736 | 210 | 16 | 118 |
| 213, 493 | Burgess, Josiah, Zanesville, Ohio. Soldering-iron heater | Mar. 25, 1879 | 833 | 235, 236 | 15 | 429 |
| 212, 893 | Burgess, Richard O., Providence, assignor of one-half interest to C. Horton, Woonsocket, R. I. Tension device for thread-spools | Mar. 4, 1879 | 143 | 40 | 15 | 314 |
| 220, 572 | Burgess, William H., Rich Square, N. C. Well-tube and device for inserting the same | Oct. 14, 1879 | 424 | 110 | 16 | 700 |
| 214, 487 | Burghardt, John H., Stockbridge, Mass., assignor to self and W. A. Miles, Copake Iron Works, N. Y. Plow | Apr. 22, 1879 | 909 | 256 | 15 | 614 |
| 215, 091 | Burgner, Aaron, and K. Parker, Clearport, Ohio. Self-adjusting drill-hoe | May 6, 1879 | 129 | 36 | 15 | 718 |
| 217, 509 | Burhans, Nelson H., assignor of one-half interest to W. J. Turck, Rondout, N. Y. Wood-paper-pulp machinery | July 15, 1879 | 659 | 188 | 16 | 108 |
| 213, 973 | Burk, Henry, Philadelphia, Pa. Presser-foot attachment for sewing-machines | Apr. 8, 1879 | 277 | 80 | 15 | 516 |
| 218, 365 | Burkarth, Michael J., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Bracket | Aug. 12, 1879 | 301 | 82 | 16 | 271 |
| 217, 858 | Burke, Ashbel C., Portage, Ohio. Device for converting motion | Apr. 15, 1879 | 763 | 213 | 15 | 586 |
| 223, 029 | Burkhardt, Charles G., Buffalo, N. Y. Adjustable bearing | July 29, 1879 | 1072 | 308 | 16 | 178 |
| 213, 320 | Burkhardt, Gottfried, Buffalo, N. Y. Manufacturing starch | Dec. 30, 1879 | 1071 | 306 | 16 | 1199 |
| 214, 361 | Burkhardt, Gustav, and R. S. Hopkins, Homer, Ill. Clothes-rubber | Mar. 18, 1879 | 653 | ..... | 15 | 397 |
| 218, 617 | Burlingame, Albert H., Sparta, Ill. Hanger for plow-colters | Aug. 19, 1879 | 607 | 171 | 16 | 321 |
| 221, 515 | Burlingame, William, Exeter, N. H. Blow-off valve for steam-radiators | Nov. 11, 1879 | 441 | 120 | 16 | 882 |
| 216, 652 | Burnap, Charles F., Cincinnati, Ohio, and T. Cope, Covington, Ky. Lamp | June 17, 1879 | 730 | 209 | 15 | 995 |
| | Burnet, William H. (*See* Sears & Burnet.) | | | | | |
| 211, 085 | Burnett, Charles C., Cleveland, Ohio. Fire-kindler | Jan. 7, 1879 | 8 | 3 | 15 | 2 |
| | Burnett, Oswald J. (*See* Pierson & Burnett.) | | | | | |
| 212, 656 | Burnham, Alfred S., Parkersburg, Iowa. Spring bed-bottom | Feb. 25, 1879 | 988 | 274 | 15 | 268 |
| | Burnham, Lycurgus, *et al.* (*See* Reynolds, Davis B., assignor.) | | | | | |
| | Burnham, Parker. (*See* Bennett & Burnham.) | | | | | |
| | Burnham, Walter S. (*See* Decker, John, assignor.) | | | | | |
| 219, 684 | Burnham, Walter S., Ashtabula, Ohio. Combined door bolt and check | Sept. 16, 1879 | 726 | 201 | 16 | 522 |
| 221, 514 | Same.....Egg-tester | Nov. 11, 1879 | 441 | 119 | 16 | 882 |
| | Burns, Albert A. (*See* Streit & Burns.) | | | | | |
| | Burns, Calvin W. (*See* Johnson & Burns, assignors.) | | | | | |
| | Burns, Charles E. (*See* Johnson & Burns.) | | | | | |
| | Burns, Charles M., jr. (*See* Burns, Frank, assignor.) | | | | | |
| 212, 185 | Burns, Frank, assignor to C. M. Burns, jr., Philadelphia, Pa. Governor for engines | Feb. 11, 1879 | 426 | 116 | 15 | 182 |
| | Burns, James. (*See* Nugent & Burns.) | | | | | |
| 222, 863 | Burns, James, San Antonio, Tex. Mold for sewer-building | Dec. 23, 1879 | 881 | 253 | 16 | 1161 |
| 217, 445 | Burns, James E., Philadelphia, Pa. Tin box | July 15, 1879 | 594 | 170 | 16 | 99 |
| 214, 019 | Burns, Peter, Syracuse, N. Y. Hame-clip | Apr. 8, 1879 | 331 | 95 | 15 | 524 |
| 214, 020 | Same..... Harness-saddle | Apr. 8, 1879 | 332 | 95 | 15 | 524 |
| | Burns, Robert H. (*See* Motter, Jacob V., assignor.) | | | | | |
| 8, 956 | Burns, William H., assignor, by mesne assignments, to J. H. Pronty and S. S. Sprague, Worcester, Mass. Loom-temple (Reissue) | Nov. 4, 1879 | 283 | 76 | 16 | 852 |
| 8, 957 | Same.....same (Reissue) | Nov. 4, 1879 | 284 | 76 | 16 | 852 |
| 214, 090 | Burr, Henry A., Wilmington, N. C. Cotton-bale tie | Apr. 8, 1879 | 443 | 125 | 15 | 535 |
| 222, 378 | Burr, Sanford S., Chicago, Ill. Interconvertible crib and bedstead | Dec. 9, 1879 | 297 | 82 | 16 | 1060 |
| 222, 379 | Same.....Folding bedstead | Dec. 9, 1879 | 298 | 82 | 16 | 1060 |
| | Burrage, Charles R. (*See* Howse, Henry L., assignor.) | | | | | |
| | Burrell, David H., *et al.* (*See* Dougherty, John B., assignor.) | | | | | |
| | Same..... (*See* Naylor, James, jr., assignor.) | | | | | |
| | Burrell, Ives & Co., *et al.* (*See* Dougherty, John B., assignor.) | | | | | |
| | Same.....(*See* Naylor, James, jr., assignor.) | | | | | |
| | Burrell, John B. (*See* Brightman & Burrell.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Burrell, Louis F., *et al.* (*See* Schlott, John H., assignor.) | | | | | |
| 212, 539 | Burrell, Louis F., Chicago, Ill. Bolt | Feb. 25, 1879 | 865 | 239 | 15 | 252 |
| | Burridge, Thomas H. (*See* Thomas, Taylor & Burridge.) | | | | | |
| 219, 214 | Burris, Micajah E., New York, N. Y. Vest-shirt | Sept. 2, 1879 | 179 | 53 | 16 | 435 |
| | Burritt, Harvey. (*See* Webbert, David, assignor.) | | | | | |
| 219, 067 | Burroughs, Henry R., Chicago, Ill. Barbed fence | Sept. 2, 1879 | 11 | 4 | 16 | 414 |
| 220, 217 | Burroughs, Joseph C., Clinton, Mich. Horse-boot | Oct. 7, 1879 | 6 | 2 | 16 | 636 |
| 220, 218 | Burrows, Frank, Georgetown, D. C. Fire-escape | Oct. 7, 1879 | 7 | 2 | 16 | 636 |
| | Burrows, George S. (*See* Goddard & Burrows.) | | | | | |
| 8, 690 | Burrows, James, Manchester, N. H. Needle (Reissue) | Apr. 29, 1879 | 1469 | 408 | 15 | 693 |
| 217, 266 | Burrows, William T., Nashua, Iowa. Wagon-rack | July 8, 1879 | 384 | 113, 114 | 16 | 61 |
| 221, 775 | Same.....Mechanism for converting reciprocating into rotary motion | Nov. 18, 1879 | 734 | 204 | 16 | 931 |
| 222, 249 | Burrows, William T., assignor of one-half interest to S. H. Waddell, Nashua, Iowa. Draft-equalizer | Dec. 2, 1879 | 145 | 37 | 16 | 1028 |
| 220, 272 | Burry, William C., Pittsburg, Pa. Egg-beating machine | Oct. 7, 1879 | 68 | 18 | 16 | 644 |
| 218, 111 | Burt, George E., Harvard, Mass. Traction mechanism for propelling machinery | Aug. 5, 1879 | 6 | 2, 3 | 16 | 221 |
| 220, 120 | Same .... Lawn-mower | Sept. 30, 1879 | 1234 | 340 | 16 | 609 |
| | Burt, John E. (*See* Heymann & Burt.) | | | | | |
| 8, 854 | Burt, Jonathan, and L. F. Dunn, Lenox, N. Y., assignors to C. A. Shaw, Salem, Mass. Device for cutting green corn from the cob (Reissue) | Aug. 19, 1879 | 807 | 229 | 16 | 349 |
| 213, 543 | Burt, Richard W., Peoria, Ill. Windmill | Mar. 25, 1879 | 890 | 254 | 15 | 436 |
| 221, 774 | Burt, Samuel S., Marquette, Mich. Elevated railway | Nov. 18, 1879 | 733 | 204 | 16 | 931 |
| 217, 925 | Burton, Bethel, Brooklyn, N. Y. Elevated railway | July 29, 1879 | 1147 | 328 | 16 | 188 |
| 220, 959 | Burton, Byron B., and L. Lynde; said Burton assignor to J. J. Wightman, Cleveland, Ohio. Steam-boiler-flue cleaner | Oct. 28, 1879 | 888 | 237 | 16 | 778 |
| 214, 021 | Burton, George D., New Ipswich, N. H. Street-lamp | Apr. 8, 1879 | 333 | 95 | 15 | 524 |
| | Burton, George W., *et al.* (*See* Proseus, Alfred, assignor.) | | | | | |
| 216, 598 | Burton, Joseph, Newark, assignor of one-half interest to A. Faulkner, Jersey City, N. J. Shuttle-motion for looms | June 17, 1879 | 576 | 165 | 15 | 974 |
| 211, 834 | Burton, Matthew, Batavia, Ill. Spring-bolster for vehicles | Feb. 4, 1879 | 6 | 2 | 15 | 127 |
| 219, 146 | Burton, Robert W., Price's Forks, Va. Altitude attachment for distance-instruments | Sept. 2, 1879 | 98 | 29 | 16 | 425 |
| 213, 864 | Burton, Stephen R., Avondale, J. T., Peet, and W. Caven, assignors to Redway & Burton, Cincinnati, Ohio. Stove-hearth | Apr. 1, 1879 | 146 | 43 | 15 | 491 |
| 215, 716 | Same.....Long-center and reservoir-cover for stoves | May 27, 1879 | 863 | 253 | 15 | 836 |
| 212, 186 | Burwell, Armistead, Mecklenburg County, Va. Water-wheel | Feb. 11, 1879 | 426 | 117 | 15 | 183 |
| 218, 927 | Bury, William A., Grosse Isle, Mich. Spring bed-bottom | Aug. 26, 1879 | 976 | 274 | 16 | 382 |
| 213, 806 | Busell, James H., Boston, Mass. Heel-trimming machine | Apr. 1, 1879 | 80 | 26 | 15 | 483 |
| 219, 215 | Busey, Jerome F., Beck's Mills, Pa. Die for welding chain-links | Sept. 2, 1879 | 179 | 53 | 16 | 435 |
| | Bush, George A. (*See* Morton, Albanus W., assignor.) | | | | | |
| 212, 588 | Bushnell, George A., and M. Calhoun, Cimarron, N. Mex. Fruit-picker | Feb. 25, 1879 | 920 | 254 | 15 | 260 |
| 216, 829 | Bushnell, Solon H., Fairport, N. Y. Horse hay-rake | June 24, 1879 | 949 | 270 | 15 | 1033 |
| 213, 321 | Bushor, Dennis, Effingham, Ill. Tube-expander | Mar. 18, 1879 | 654 | 185 | 15 | 397 |
| 218, 482 | Buskett, James L., Saint Louis, Mo. Cultivator | Aug. 12, 1879 | 440 | 122 | 16 | 290 |
| 220, 519 | Buss, John H., Brunswick, assignor to J. M. Corliss & Son, Troy, N. Y. Cuff | Oct. 14, 1879 | 354 | 93 | 16 | 691 |
| 220, 573 | Same ..... same | Oct. 14, 1879 | 426 | 110 | 16 | 700 |
| 219, 847 | Busteed, Richard, Brooklyn, N. Y. Railway-car | Sept. 23, 1879 | 913 | 252 | 16 | 557 |
| 214, 756 | Bustin, William H., Boston, Mass. Hame-tug | Apr. 29, 1879 | 1224 | 343 | 15 | 661 |
| 213, 870 | Buswell, Turner, Solon, Me. Fastener for harness-saddle pads | Apr. 1, 1879 | 153 | 45 | 15 | 492 |
| 217, 198 | Butcher, Joseph, New York, N. Y. Station-indicator | July 8, 1879 | 314 | 93 | 16 | 52 |
| 220, 699 | Butler, Calvin L., Greenfield, Mass. Pocket-knife | Oct. 21, 1879 | 572 | 153 | 16 | 728 |
| | Butler, Cephas, *et al.* (*See* Pedlar, Charles B., assignor.) | | | | | |
| 8, 588 | Butler, Ebenezer, Salina, assignor to Moser & Lyon, Syracuse, N. Y. Slate-frame. (Reissue) | Feb. 18, 1879 | 847 | 235 | 15 | 242 |
| | Butler, Francis G. (*See* Ford & Butler.) | | | | | |
| 8, 724 | Butler, Francis G., Bellows Falls, Vt., assignor to Vermont Farm Machine Company. Milk-setting apparatus (Reissue) | May 27, 1879 | 1176 | 342 | 15 | 876 |
| 215, 092 | Butler, Francis G., assignor to Vermont Farm Machine Company, Bellows Falls, Vt. Hay-tedder fork | May 6, 1879 | 121 | 36 | 15 | 718 |
| 219, 387 | Same .... Churn | Sept. 9, 1879 | 390 | 109 | 16 | 469 |
| 213, 974 | Butler, George, Cincinnati, Ohio. Car-coupling | Apr. 8, 1879 | 277 | 80 | 15 | 517 |
| 216, 653 | Butler, George P., Butler Centre, Iowa, assignor of one-half interest to J. McCarty. Bridle-bit | June 17, 1879 | 731 | 209 | 15 | 996 |
| 214, 238 | Butler, Hiram E., assignor of one-half interest to L. Case and A. Rex, Philadelphia, Pa. Lamp-globe | Apr. 15, 1879 | 608 | 173 | 15 | 566 |
| | Butler, James C. (*See* Paddock, William S., assignor.) | | | | | |
| | Butler, John. (*See* Van Wagenen & Butler.) | | | | | |
| 217, 331 | Butler, John, New York, N. Y. Electrical rheostat | July 8, 1879 | 452 | 132 | 16 | 70 |
| 211, 219 | Butler, John P., Athens, Tenn. Straw-cutter | Jan. 7, 1879 | 153 | 46 | 15 | 21 |
| 222, 009 | Butler, John W., New Britain, assignor to Bradley & Hubbard Manufacturing Company, West Meriden, Conn. Call-bell | Nov. 25, 1879 | 1025 | 287 | 16 | 979 |
| 219, 687 | Butler, Manlove, assignor of one-half interest to P. C. McGannon, Vernon, Ind. Plow | Sept. 16, 1879 | 728 | 202 | 16 | 522 |
| | Butler, Orange, *et al.* (*See* Harrison, Jonathan W., assignor.) | | | | | |
| 218, 706 | Butler, William, Philadelphia, Pa. Bolt-trimmer | Aug. 19, 1879 | 696 | 198 | 16 | 334 |
| 216, 830 | Butler, William P., Rock Island, Ill. Manufacturing glasses for street and other lamps | June 24, 1879 | 951 | 271 | 15 | 1033 |
| | Butt, George, *et al.* (*See* Beckwith, Charles E., assignor.) | | | | | |
| | Butterfield, Joseph B. (*See* Gardner & Butterfield.) | | | | | |
| | Butterworth, Charles C. (*See* Butterworth, James, assignor.) | | | | | |
| 211, 966 | Butterworth, James, assignor to self and C. C. Butterworth, Philadelphia, Pa. Cloth-pressing machine | Feb. 4, 1879 | 165 | 47 | 15 | 147 |
| 222, 452 | Button, Theodore E., Waterford, N. Y. Feed-water regulator | Dec. 9, 1879 | 378 | 107 | 16 | 1070 |
| 211, 218 | Buttrick, Charles G., and T. B. Flanders, Holyoke, Mass. Spindle-bearing | Jan. 7, 1879 | 152 | 45 | 15 | 21 |
| | Butts, Samuel F., *et al.* (*See* Severance, George W., assignor.) | | | | | |
| 217, 844 | Butts, Samuel F., assignor to Quaker Mill Company, Ravenna, Ohio. Oat-meal machine | July 22, 1879 | 1044 | 299 | 16 | 167 |
| 219, 686 | Same.....Oat-meal machine | Sept. 16, 1879 | 728 | 201 | 16 | 522 |
| 217, 510 | Butts, William, Petaluma, Cal. Fruit-drier | July 15, 1879 | 660 | 188 | 16 | 108 |
| 214, 619 | Butts, Willie J., Willow Green, N. C. Cotton-press | Apr. 22, 1879 | 1065 | 298 | 15 | 633 |
| 217, 197 | Butz, Edward M., Allegheny, Pa. Ash-receiver | July 8, 1879 | 313 | 92 | 16 | 52 |
| | Buxton, Alfred. (*See* Swinden & Buxton.) | | | | | |
| | Buzby, John W. (*See* Buzby, Winslow E. and J. W.) | | | | | |
| 215, 093 | Buzby, Winslow E. and J. W., Shamong, N. J. Telegraph key and switch | May 6, 1879 | 122 | 36 | 15 | 718 |
| | Buzzell & Co., John G. (*See* Dunham, George B., assignor) (Reissue.) | | | | | |
| | Buzzell, John G. (*See* Emerson, Buzzell & Collyer.) | | | | | |
| | Bye, Martin. (*See* Johnson & Bye.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Byers, A. T. (*See* Hullinger, Lee, assignor.) | | | | | |
| 8,806 | Byers, John F., Ravenna, assignor, by mesne assignments, to S. A. Fuller, trustee, Cleveland, Ohio. Oat-meal machine (Reissue) | July 15, 1879 | 847 | 241 | 16 | 132 |
| | Byington, A. Homer. (*See* Blackman, Ebenezer, assignor.) | | | | | |
| | Same same (Reissue.) | | | | | |
| | Bynum, Robert H., *et al.* (*See* Gibbs, James E., assignor.) | | | | | |
| | Byram, Francis N. (*See* Harlin & Byram.) | | | | | |
| 217,581 | Byram, Frank A., and J. Fox, Philadelphia, Pa. Feeding attachment for circular-knitting machines | July 15, 1879 | 737 | 210 | 16 | 118 |
| 220,801 | Byram, Silas, Middletown, Ind., and W. R. Hansford, Hicksville, Ohio. Spark-arrester | Oct. 21, 1879 | 696 | 184 | 16 | 743 |
| 215,569 | Byrd, John M., and W. H. Perkins, Mayfield, Ky. Bee-hive | May 20, 1879 | 696 | 204 | 15 | 805 |
| 217,679 | Byrkit, Martha, Knightstown, Ind. Combined lap-table, work-box, and work-stand | July 22, 1879 | 870 | 248 | 16 | 144 |
| 8,537 | Byrne, Christopher, Conneant, Ohio. Locomotive head-light (Reissue) | Jan. 7, 1879 | 245 | 71 | 15 | 32 |
| 212,589 | Byron, John M., assignor of one-half interest to B. S. Cressy, Boston, Mass. Constructing cornices of paper, &c | Feb. 25, 1879 | 920 | 254 | 15 | 260 |
| 217,267 | Cadman, Isaac P., assignor of one-half interest to W. R. Smith, Beloit, Wis. Draft-equalizer | July 8, 1879 | 385 | 114 | 16 | 61 |
| 215,208 | Cadot, Etienne C., Paris, France. Key-board for piano-fortes | May 13, 1879 | 278 | 81 | 15 | 740 |
| 217,199 | Cadwalader, Jesse K., Bernadotte, Ill. Spring-seat for wagons | July 8, 1879 | 316 | 93 | 16 | 52 |
| 214,239 | Cady, Benjamin F., Syracuse, N. Y. Washing-machine | Apr. 15, 1879 | 608 | 173 | 15 | 566 |
| 219,617 | Cady, Frank P., assignor to Hogen Elbow Company, Cleveland, Ohio. Pipe-elbow machine | Sept. 16, 1879 | 642 | 178 | 16 | 511 |
| 220,960 | Cady, Monroe M., Dubuque, Iowa. Carriage-top | Oct. 28, 1879 | 889 | 237 | 16 | 778 |
| 219,444 | Cady, Solon P., Peterborough, N. Y. Envelope | Sept. 9, 1879 | 452 | 126 | 16 | 477 |
| 222,453 | Caffall, Robert M., Saint Louis, Mo. Disinfectant and deodorizer | Dec. 9, 1879 | 379 | ..... | 16 | 1070 |
| | Caffrey, Charles S. (*See* Doble & Paul, assignors.) | | | | | |
| 220,802 | Cagle, Jacob W., and J. W. Nichols, Greenville, S. C. Baling-press | Oct. 21, 1879 | 697 | 184 | 16 | 743 |
| 212,352 | Cahill, John P., Oakland, Cal. Sewer-trap | Feb. 18, 1879 | 618 | 173 | 15 | 211 |
| 218,856 | Cahill, Mortimer, Sterling, Ill. Sulky-plow | Aug. 26, 1879 | 898 | 251 | 16 | 371 |
| | Cahoone, Edwin R., *et al.* (*See* Greene, William A., assignor.) | | | | | |
| 211,650 | Cahoone, Edwin R., and N. Teas, Newark, N. J.; said Teas assignor to said Cahoone. Hame-tug | Jan. 28, 1879 | 688 | 193 | 15 | 94 |
| 211,886 | Cahoone, Edwin R., and N. Teas, Newark, N. J., assignors to said Cahoone. Winker for bridles | Feb. 4, 1879 | 73 | 21 | 15 | 135 |
| 212,129 | Cahoone, Edwin R., Newark, N. J. Harness-pad | Feb. 11, 1879 | 360 | 98 | 15 | 174 |
| 212,130 | Cahoone, Edwin R., and N. Teas, Newark, N. J., assignors to said Cahoone. Bridle | Feb. 11, 1879 | 361 | 98 | 15 | 174 |
| 220,273 | Cahoone, Edwin R., Newark, N. J. Harness-saddle | Oct. 7, 1879 | 69 | 19 | 16 | 644 |
| 223,030 | Same Brow-band for bridles | Dec. 30, 1879 | 1072 | 306 | 16 | 1199 |
| 219,216 | Cain, Absalom W., Harrisburg, Ill. Car-coupling | Sept. 2, 1879 | 181 | 54 | 16 | 435 |
| | Cain, George W. (*See* Hildebrand & Cain.) | | | | | |
| 218,708 | Cain, George W., Newport, N. H. Lightning-conductor | Aug. 19, 1879 | 699 | 199 | 16 | 334 |
| 214,881 | Cain, Harry, assignor of one-half interest to G. C. Jennison, Philadelphia, Pa. Pipe-coupling | Apr. 29, 1879 | 1366 | 380 | 15 | 679 |
| 213,975 | Cain, James H., Cana, N. C. Mill-pick | Apr. 8, 1879 | 278 | 81 | 15 | 517 |
| 212,590 | Cain, John, Sandy Lake, Pa., assignor of one-third interest to I. Eberman. Injector | Feb. 25, 1879 | 921 | 255 | 15 | 260 |
| 221,516 | Cain, Thomas J., assignor, by mesne assignments, to A. Adams, Cleveland, Ohio. Hose-reel | Nov. 11, 1879 | 442 | 120 | 16 | 882 |
| 222,570 | Caisse, Maxime, assignor to J. B. and S. B. Burbank, Danville, Quebec; said J. B. and S. B. Burbank assignors of one-half interest to A. J. Cleveland, Richmond, Canada. Churn | Dec. 16, 1879 | 538 | 153 | 16 | 1102 |
| 216,654 | Caldwell, Charles S., assignor to A. A. Hyde, Wichita, Kans. Copy-holder | June 17, 1879 | 731 | 209 | 15 | 996 |
| 217,511 | Caldwell, Clark, Philadelphia, Pa. Stove-oven | July 15, 1879 | 662 | 188 | 16 | 110 |
| 218,158 | Caldwell, Clark, Philadelphia, Pa. Cover for cook-holes in stoves | Aug. 5, 1879 | 61 | 16 | 16 | 228 |
| 216,780 | Caldwell, Edwin, Marion, Ind. Churn | June 24, 1879 | 891 | 253 | 15 | 1026 |
| 211,132 | Caldwell, John A., Brownsville, Tenn. Instrument for scribing stair-curves | Jan. 7, 1879 | 59 | 19 | 15 | 8 |
| 217,057 | Caldwell, John K., Philadelphia, Pa. Brick and the art of making the same | July 1, 1879 | 147 | 43 | 16 | 21 |
| 214,550 | Caldwell, William G., Cincinnati, Ohio. Child's embroidered cap | Apr. 22, 1879 | 991 | 279 | 15 | 623 |
| | Calhoun, Madison. (*See* Bushnell & Calhoun.) | | | | | |
| 221,030 | Calkins, Thomas L., New York, and F. O. Badger, Brooklyn, N. Y. Machine for polishing buttons, &c | Oct. 28, 1879 | 971 | 258 | 16 | 788 |
| 215,262 | Calkins, William R., Great Barrington, Mass. Water-wheel curb | May 13, 1879 | 341 | 99 | 15 | 749 |
| 218,661 | Callahan, Cornelius, assignor of two-thirds interest to E. E. Sibley, Chelsea, Mass. Hose | Aug. 19, 1879 | 652 | 184 | 16 | 328 |
| 222,770 | Same same | Dec. 23, 1879 | 767 | 221 | 16 | 1145 |
| | Callahan, Edward A. (*See* Field, George B., assignor.) | | | | | |
| | Callen, Anson W., *et al.* (*See* Histed, Thaddeus C., assignor.) | | | | | |
| | Calm, Elizabeth. (*See* Jannasch, Hugo, assignor.) | | | | | |
| | Calmus, Daniel F. (*See* Loper, Jonathan M., assignor.) | | | | | |
| 214,488 | Calvert, Callender I., Philadelphia, Pa. Rein-hook | Apr. 22, 1879 | 910 | 257 | 15 | 614 |
| | Calvert, John. (*See* Morison, William C., assignor.) | | | | | |
| | Calvert, Moses, *et al.* (*See* Morgan, William J., assignor.) | | | | | |
| | Cambria Iron Company. (*See* Jones, Daniel N., assignor.) | | | | | |
| 213,435 | Cameron, Adam S., deceased, by J. Matthews, executor, New York, N. Y. Valve-gear for steam-engines | Mar. 18, 1879 | 765 | 215 | 15 | 412 |
| 220,341 | Cameron, Elizabeth W. M., Brooklyn, N. Y. Napkin and analogous articles | Oct. 7, 1879 | 145 | 39 | 16 | 654 |
| | Cameron, Robert. (*See* Moore & Cameron.) | | | | | |
| 221,443 | Cameron, Tilman A. H., Slater, Mo. Washing-machine | Nov. 11, 1879 | 355 | 97 | 16 | 870 |
| 214,362 | Camichel, John, New York, N. Y. Clock for utilizing watch-movements | Apr. 15, 1879 | 764 | 213 | 15 | 586 |
| | Cammack, William, *et al.* (*See* Atkinson, Mahlon B., assignor) (Reissue.) | | | | | |
| | Cammack, William, *et al.* (*See* Hann & Atkinson, assignors.) | | | | | |
| 221,776 | Camp, Charles B., White Pigeon, Mich. Clothes-wringer | Nov. 18, 1879 | 734 | 204 | 16 | 931 |
| 215,570 | Camp, Chester, Lyndon, assignor of one-half interest to W. Camp, Machias, N. Y. Fence | May 20, 1879 | 698 | 204 | 15 | 805 |
| 215,319 | Camp, Erasmus T., Edwardsville, Ala. Churn | May 13, 1879 | 410 | 122 | 15 | 758 |
| 221,213 | Camp, Hiram, assignor to New Haven Clock Company, New Haven, Conn. Clock-pendulum | Nov. 4, 1879 | 78 | 21 | 16 | 823 |
| 211,618 | Camp, Horace B., Cuyahoga Falls, Ohio. Manufacture of roofing and paving tiles | Jan. 28, 1879 | 648 | 182 | 15 | 89 |
| 222,241 | Camp, Ira M., Navasota, Tex. Bale-tie | Dec. 2, 1879 | 146 | 37 | 16 | 1028 |
| | Camp, Welcom. (*See* Camp, Chester, assignor.) | | | | | |
| | Camp, William S., *et al.* (*See* Wallace, Thomas, assignor.) | | | | | |
| 217,334 | Campbell, Abraham A., Washington, D. C. Skirt-elevator | July 8, 1879 | 456 | 133 | 16 | 70 |
| 222,864 | Campbell, Alexander B., Albion, Wis. Harrow-coupling | Dec. 23, 1879 | 882 | 253 | 16 | 1161 |
| 222,177 | Campbell, Angus D., Chicago, Ill. Bed-bottom | Dec. 2, 1879 | 68 | 16 | 16 | 1018 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 219, 343 | Campbell, Augustine, Perth Amboy, N. J. Pottery-shapes for building-blocks to resemble stone | Sept. 19, 1879 | 338 | 96 | 16 | 463 |
| 220, 749 | Same.....Drain-tile | Oct. 21, 1879 | 627 | 168 | 16 | 735 |
| 217, 582 | Campbell, Charles A. J., Brooklyn, N. Y. Detachable shoe for horses | July 15, 1879 | 739 | 211 | 16 | 118 |
| 222, 242 | Campbell, Charles C. and F. Flat Lick, Ky. Stove-pipe thimble | Dec. 2, 1879 | 147 | 37 | 16 | 1028 |
| 218, 159 | Campbell, Charles L., Terre Haute, Ind. Cattle-food from distillery-slops | Aug. 5, 1879 | 62 | ..... | 16 | 229 |
| 217, 335 | Campbell, Daniel E., assignor to W. H. Plimpton, Natick, Mass. Cartridge capping and loading implement | July 8, 1879 | 457 | 133 | 16 | 70 |
| | Campbell, Fleming. (See Campbell, Charles C. and F.) | | | | | |
| 213, 278 | Campbell, Frank M., Saint Louis, Mo. Adjustable grain-spout | Mar. 18, 1879 | 609 | 172 | 15 | 391 |
| | Campbell, George H., *et al.* (*See* Starratt, Burpee R., assignor.) | | | | | |
| 219, 217 | Campbell, George W., West New Brighton, N. Y. Oil-press plate | Sept. 2, 1879 | 182 | 54 | 16 | 425 |
| 217, 332 | Campbell, James L., West Elizabeth, Pa. Dough-tray | July 8, 1879 | 453 | 132 | 16 | 70 |
| 217, 333 | Same.....Incubator | July 8, 1879 | 454 | 133 | 16 | 70 |
| 221, 214 | Same.....same | Nov. 4, 1879 | 78 | 21 | 16 | 823 |
| 214, 882 | Campbell, James W., New York, N. Y. Adjustable window-cornice | Apr. 29, 1879 | 1367 | 380 | 15 | 679 |
| 216, 376 | Same.....Truss for window-cornices | June 10, 1879 | 428 | 121 | 15 | 946 |
| 211, 967 | Campbell, John C., Syracuse, N. Y. Draft-bar for sleighs | Feb. 4, 1879 | 165 | 47 | 15 | 147 |
| 217, 728 | Campbell, John S., North Plainfield, N. J. Dental-vulcanizer | July 22, 1879 | 921 | 264 | 16 | 151 |
| 221, 031 | Campbell, John S., Clayton, Ill. Device for watering stock | Oct. 28, 1879 | 974 | 259 | 16 | 789 |
| | Campbell, Jones & Co. (*See* Franz, Henry, assignor.) | | | | | |
| 8, 800 | Campbell, Marvin, South Bend, Ind. Metal bucket.....(Reissue) | July 15, 1879 | 836 | 239 | 16 | 131 |
| 218, 483 | Same.....Sheet-metal vessel | Aug. 12, 1879 | 441 | 123 | 16 | 290 |
| 213, 871 | Campbell, Peter R., Hurricane, Miss. Screw-press | Apr. 1, 1879 | 153 | 45 | 15 | 492 |
| 215, 717 | Campbell, Robert, Allegheny, Pa. Rotary engine | May 27, 1879 | 863 | 253 | 15 | 836 |
| 217, 268 | Same.....Mower | July 8, 1879 | 386 | 114, 115 | 16 | 61 |
| 216, 020 | Campbell, Robert, Pittsburg, Pa. Washing-machine | June 3, 1879 | 16 | 4 | 15 | 886 |
| 222, 623 | Campbell, Robert, Wooster, Ohio. Washing-machine | Dec. 16, 1879 | 602 | 171 | 16 | 1110 |
| | Campbell, Robert E. (*See* King and Campbell.) | | | | | |
| | Campbell, Samuel G. (*See* Mann, James P. R., assignor.) | | | | | |
| 221, 517 | Campbell, William A., and J. Hyland, Manistee, Mich. Furnace-feeder | Nov. 11, 1879 | 443 | 120 | 16 | 882 |
| 211, 619 | Campbell, William H., New York, N. Y. Perforating-stamp | Jan. 28, 1879 | 648 | 182 | 15 | 89 |
| 212, 187 | Same.....Envelope | Feb. 11, 1879 | 427 | 117 | 15 | 183 |
| 218, 366 | Campion, Michael H., Owego, N. Y. Sprinkler | Aug. 12, 1879 | 301 | 82 | 16 | 272 |
| 215, 263 | Canan, James, Allanburg, Ontario, Canada. Dredging-machine | May 13, 1879 | 342 | 100 | 15 | 749 |
| 218, 427 | Same.....Dredging-machine shovel | Aug. 12, 1879 | 372 | 102 | 16 | 281 |
| | Canby, William, *et al.* (*See* Egerton, C. Calvert, assignor.) | | | | | |
| | Same.....(*See* Hazelip, Joseph N., assignor.) | | | | | |
| | Candee & Co., L. (*See* Watkinson, George, assignor.) | | | | | |
| 216, 554 | Canfield, Frederick A., Dover, N. J. Cartridge capping and uncapping implement | June 17, 1879 | 622 | 176 | 15 | 980 |
| 219, 068 | Canfield, Horace G., Akron, Ohio. Printing-machine | Sept. 2, 1879 | 12 | 4 | 16 | 414 |
| 212, 894 | Canine, Henry R., Crawfordsville, Ind. Construction of buildings | Mar. 4, 1879 | 143 | 40 | 15 | 314 |
| | Canney, Hanson C., *et al.* (*See* Tucker, John L., assignor.) | | | | | |
| 217, 583 | Cannon, Charles W., Helena, Mont. Combination-tool | July 15, 1879 | 740 | 211 | 16 | 118 |
| 214, 277 | Cannon, Fred C., New Haven, Conn. Carriage-lamp | Apr. 15, 1879 | 658 | 183 | 15 | 573 |
| 222, 010 | Cantoni, Michele, Brookhaven, Miss. Ox yoke and bow | Nov. 25, 1879 | 1026 | 287 | 16 | 979 |
| | Cantrell, Thomas G. (*See* Hesse, Joseph, assignor).....(Reissue.) | | | | | |
| | Cantrill, James E. (*See* Barkley, John L., assignor.) | | | | | |
| 211, 968 | Capek, John V., New York, N. Y. Anglometer | Feb. 4, 1879 | 166 | 48 | 15 | 147 |
| | Capen, George D. (*See* Bryant, Charles J., assignor.) | | | | | |
| 215, 718 | Capewell, George J., Cheshire, Conn. Roll for forming metal articles | May 27, 1879 | 864 | 253 | 15 | 836 |
| 215, 719 | Same.....Machine for reducing bars of metal | May 27, 1879 | 865 | 253, 254 | 15 | 836 |
| 217, 336 | Same.....Machine for manufacturing horseshoe-nails | July 8, 1879 | 458 | 133, 134 | 16 | 70 |
| | Capewell, G. J. (*See* Murphy, Daniel H., assignor.) | | | | | |
| | Cappell, Charles. (*See* Cappell, Henry W., assignor.) | | | | | |
| 217, 337 | Cappell, Henry W., New Lisbon, Ohio., assignor of one-half interest to C. Cappell, Saint Petersburg, Pa. Rail-joint | July 8, 1879 | 462 | 135 | 16 | 71 |
| 217, 338 | Carbine, John C., Atlanta, Ga. Boiler-flue | July 8, 1879 | 463 | 135 | 16 | 71 |
| 213, 322 | Card, Benjamin F., Brooklyn, N. Y. Car-ventilator | Mar. 18, 1879 | 656 | 185 | 15 | 398 |
| 214, 022 | Same.....Folding spiral stairs | Apr. 8, 1879 | 334 | 96 | 15 | 524 |
| 218, 857 | Same.....Turnstile-register | Aug. 26, 1879 | 899 | 251 | 16 | 371 |
| 223, 112 | Same.....Meter for measuring electricity | Dec. 30, 1879 | 1173 | 330, 331 | 16 | 1211 |
| 212, 353 | Card, Edward, Pawtucket, R. I. Templet for belt-hooks | Feb. 18, 1879 | 618 | 174 | 15 | 211 |
| 220, 464 | Same.....Grate | Oct. 14, 1879 | 290 | 77 | 16 | 683 |
| | Card, Joseph P., *et al.* (*See* Wellhouse & Hagen, assignors.) | | | | | |
| 214, 620 | Card, Milton E., Cazenovia, N. Y. Ball-trap | Apr. 22, 1879 | 1066 | 299 | 15 | 633 |
| 212, 439 | Card, William L., Moberly, assignor of two-thirds interest to S. Watts, Saint Louis, and E. E. Chase, Saint Charles, Mo. Steam-brake for locomotives, &c. | Feb. 18, 1879 | 722 | 199 | 15 | 225 |
| 211, 699 | Cardiff, Patrick, assignor to self and J. M. Adams, Marshfield, Oreg. Guide for matching-machines | Jan. 28, 1879 | 742 | 207 | 15 | 102 |
| 214, 363 | Cardwell, Tolbert V., Rose Hill, Miss. Combined cotton and corn planter | Apr. 15, 1879 | 765 | 213 | 15 | 586 |
| 221, 664 | Same.....Harrow | Nov. 18, 1879 | 609 | 171 | 16 | 914 |
| 215, 792 | Carey, Augustus C. and G. R., Boston, Mass. Embossing metal for printing-surfaces. | May 27, 1879 | 945 | 277 | 15 | 846 |
| | Carey, Edward. (*See* Chrystal & Walsh, assignors.) | | | | | |
| | Carey, George R. (*See* Carey, Augustus C. and G. R.) | | | | | |
| 214, 551 | Carey, James A., and W. B. Choate, Aurora, Ill. Spout for tea and coffee pots | Apr. 22, 1879 | 992 | 279 | 15 | 623 |
| 222, 127 | Carey, John B., assignor of one-half interest to W. V. Hutchings, Boston, Mass. Railway-switch | Dec. 2, 1879 | 11 | 3 | 16 | 1010 |
| | Carey, Lemuel, jr., *et al.* (*See* Small, Samuel, assignor.) | | | | | |
| | Carey, Sylvanus, *et al.* (*See* Small, Samuel, assignor.) | | | | | |
| | Carithers, Warner B. (*See* Ashby, William, assignor).....(Reissue.) | | | | | |
| | Carleton, Charles G., *et al.* (*See* Wardell, Charles F., assignor.) | | | | | |
| 216, 998 | Carleton, Cyrus, assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Hair-clipper | July 1, 1879 | 75 | 23 | 16 | 12 |
| 214, 883 | Carleton, David C., New York, N. Y. Bridle | Apr. 29, 1879 | 1368 | 381 | 15 | 679 |
| 218, 858 | Carleton, Milo, Atchison County, Kans. Water-wheel | Aug. 26, 1879 | 901 | 251, 252 | 16 | 371 |
| 219, 618 | Carley, Harvey, Long Branch, N. J., and J. Johnson, Brooklyn, N. Y., assignors to said Johnson. Bearing-plate for piles | Sept. 16, 1879 | 644 | 179 | 16 | 511 |
| 213, 385 | Carley, Horace S., assignor to G. T. Smith, Cambridgeport, Mass. Mucilage holder and distributer | Mar. 18, 1879 | 718 | 201 | 15 | 406 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 220, 804 | Carlin, Asa, Stone's Prairie, Mo. Collar and hame attachment | Oct. 21, 1879 | 699 | 185 | 16 | 743 |
| 222, 571 | Carlin, Wayland, New York, N. Y. Toy dancer | Dec. 16, 1879 | 539 | 153 | 16 | 1102 |
| 213, 807 | Carlisle, William, Chicago, Ill. Sandpapering-machine | Apr. 1, 1879 | 82 | 26 | 15 | 483 |
| 213, 094 | Carlson, Charlotta H., Lee, England. Corset | Mar. 11, 1879 | 396 | 110 | 15 | 355 |
| 221, 444 | Carlson, Fredric O., assignor of one-half interest to C. B. Davis, Higganum, Conn. Permutation-padlock | Nov. 11, 1879 | 355 | 98 | 16 | 870 |
| 217, 339 | Carlson, Gustaf A., Red Wing, Minn. Brick-drier | July 8, 1879 | 463 | 135 | 16 | 71 |
| 217, 988 | Same..... Brick-kiln | July 29, 1879 | 1209 | 347 | 16 | 196 |
| 212, 188 | Carlson, Thure, Louisville, Ky. Plow | Feb. 11, 1879 | 428 | 117 | 15 | 183 |
| | Carlton, Cortland. (*See* Cowdery, Edwin N., assignor.) | | | | | |
| 216, 938 | Carlton, William C., and J. W. Baker, Boise City, Idaho. Perch-end for vehicles | July 1, 1879 | 12 | 4 | 16 | 4 |
| 211, 133 | Carnahan, Cyrus M., Sandy Lake, Pa. Car-coupling | Jan. 7, 1879 | 60 | 19 | 15 | 8 |
| 217, 058 | Carnes, William J., jr., Gonzales, Tex. Buckle | July 1, 1879 | 148 | 43 | 16 | 21 |
| 218, 486 | Same.....same | Aug. 12, 1879 | 443 | 123 | 16 | 290 |
| 222, 865 | Carnes, William J., sr., Gonzales, Tex. Buckle | Dec. 23, 1879 | 882 | 253 | 16 | 1161 |
| 214, 810 | Carney, James R., assignor to self and E. B. Miller, Indianapolis, Ind. Advertising-case | Apr. 29, 1879 | 1291 | 361 | 15 | 669 |
| 220, 054 | Caron, Adolphe F., and E. Julien, Paris, France. Steam-condenser | Sept. 30, 1879 | 1162 | 320 | 16 | 599 |
| 211, 319 | Carpender, George W., South Bend, Ind. Galvanic abdominal supporter | Jan. 14, 1879 | 296 | 88 | 15 | 39 |
| 221, 032 | Carpenter, Benjamin F., and G. W. Lee, Roselle, N. J.; said Lee assignor to said Carpenter. Wooden brush | Oct. 28, 1879 | 975 | 259 | 16 | 789 |
| | Carpenter, Burr E. (*See* Slyh & Carpenter.) | | | | | |
| 218, 229 | Carpenter, James, New Hope, N. Y. Iron fence-post | Aug. 5, 1879 | 139 | 38 | 16 | 239 |
| 9, 605 | Same.....same.....(Reissue) | Dec. 30, 1879 | 1276 | 361 | 16 | 1226 |
| | Carpenter, Joseph R., *et al.* (*See* Frost, Edward J., assignor.) | | | | | |
| 218, 485 | Carpenter, Jotham P., Attleborough, Mass. Ornamental chain | Aug. 12, 1879 | 442 | 123 | 16 | 290 |
| 212, 090 | Carpenter, Lewis J., Buffalo, N. Y. Sheet-metal tea-kettle | Feb. 11, 1879 | 314 | 86 | 15 | 167 |
| 214, 023 | Carpenter, Lewis J., Buffalo, N. Y., assignor to E. E. McNaughton, Cleveland, Ohio. Spinning-top | Apr. 8, 1879 | 335 | 96 | 15 | 524 |
| 8, 825 | Carpenter, William, Olathe, Kans., assignor to National Sewing Machine Company (limited), Philadelphia, Pa. Button-hole attachment for sewing-machines. (Reissue) | July 29, 1879 | 1349 | 387 | 16 | 214 |
| 219, 218 | Carpenter, William B., assignor to self and Celluloid Novelty Company, Newark, N. J. Reducing celluloid tubes to taper or other forms | Sept. 2, 1879 | 182 | 54 | 16 | 435 |
| | Carpenter, William H., *et al.* (*See* Epping, Henry, assignor.) | | | | | |
| 214, 279 | Carpenter, William W., Saint Louis, Mo. Ornamenting textile fabrics | Apr. 15, 1879 | 659 | 184 | 15 | 573 |
| 215, 505 | Carr, Charles, and J. W. Bicknell, Boston, Mass. Machine for uniting paper | May 29, 1879 | 624 | 182, 183 | 15 | 795 |
| 8, 932 | Carr, Charles J., Matlock Green, Derby County, Great Britain. Horseshoe. (Reissue) | Oct. 14, 1879 | 560 | 148 | 16 | 718 |
| 215, 879 | Carr, John, Boston, Mass. Horse-detacher | May 27, 1879 | 1047 | 305 | 15 | 859 |
| | Carr, Martin W., *et al.* (*See* Shaw, Ai B., assignor).....(Reissue.) | | | | | |
| 218, 160 | Carr, Robert S., Hamilton, Ohio. Seed-planter | Aug. 5, 1879 | 62 | 17 | 16 | 229 |
| | Carr, Thaddeus P. (*See* Carr, William and T. P.) | | | | | |
| 211, 700 | Carr, Thomas B., Wilmington, N. C. Refrigerating apparatus | Jan. 28, 1879 | 743 | 208 | 15 | 102 |
| 215, 095 | Same.....Motor for sewing-machines and other machinery | May 6, 1879 | 124 | 37 | 15 | 718 |
| 221, 518 | Carr, William and T. P., Yellow Springs, Ohio. Grain-meter | Nov. 11, 1879 | 444 | 121 | 16 | 882 |
| 222, 345 | Carr, William B., Brooklyn, N. Y. Apparatus for and method of seaming rubber goods | Dec. 9, 1879 | 264 | 73 | 16 | 1055 |
| 216, 655 | Carr, William H., Lansingburg, N. Y. Take-up for knitting-frames | June 17, 1879 | 732 | 210 | 15 | 996 |
| | Carraway, Charles W., *et al.* (*See* Carraway, Luke W., assignor.) | | | | | |
| | Carraway, James B., *et al.* (*See* Carraway, Luke W., assignor.) | | | | | |
| 220, 700 | Carraway, Luke W., Dry Grove, Miss., assignor to J. B. and C. W. Carraway. Cotton-scraper | Oct. 21, 1879 | 573 | 153 | 16 | 728 |
| | Carrier, Stephen F. (*See* Marden, Samuel, assignor.) | | | | | |
| | Carroll, Charles. (*See* Lee & Carroll.) | | | | | |
| 8, 578 | Carroll, David, Spring Creek, Pa., assignor to J. Utter, Delavan, Wis. Stump-extractor. (Reissue) | Feb. 11, 1879 | 544 | 153 | 15 | 199 |
| 218, 484 | Carroll, George W., Union City, Pa. Horn-tip for cattle | Aug. 12, 1879 | 441 | 123 | 16 | 290 |
| 220, 803 | Carroll, James, San Francisco, Cal. Washing-machine | Oct. 21, 1879 | 699 | 184 | 16 | 743 |
| | Carroll, Patrick. (*See* Fisher, John L., assignor.) | | | | | |
| 212, 837 | Carroll, Thomas J., Bridgeport, Conn. Garter | Mar. 4, 1879 | 66 | 20 | 15 | 306 |
| 218, 428 | Carroll, William T., Worcester, assignor to G. Draper & Sons, Hopedale, Mass. Bobbin | Aug. 12, 1879 | 373 | 102 | 16 | 281 |
| 8, 646 | Carruth, James A., Topeka, Kans. Perforator for printing-presses (Reissue) | Apr. 1, 1879 | 250 | 73 | 15 | 505 |
| 215, 094 | Cars, William H., Mount Vernon, N. Y. Calendar | May 6, 1879 | 123 | 37 | 15 | 718 |
| | Carsley, Samuel. (*See* Scott, Lemuel W., assignor.) | | | | | |
| 211, 620 | Carson, Howard A., Boston, Mass., assignor of one-half interest to J. H. Shedd, Providence, R. I. System and apparatus for earth-excavating | Jan. 28, 1879 | 650 | 182, 183 | 15 | 89 |
| 221, 665 | Carson, Howard A., Boston, Mass. Building subaqueous tunnels, conduits, and similar structures | Nov. 18, 1879 | 610 | 171 | 16 | 914 |
| 221, 215 | Carson, John, Brooklyn, N. Y. Chromatic printing | Nov. 4, 1879 | 80 | 21 | 16 | 823 |
| | Carson, Samuel M., *et al.* (*See* Knapp, John O., assignor.) | | | | | |
| | Carswell, Walter. (*See* Hambitzer, Joseph, assignor.) | | | | | |
| 215, 880 | Carter, Charles B., Lawrence, Mass. Making wood-pulp | May 27, 1879 | 1048 | ..... | 15 | 859 |
| 219, 566 | Same.....same | Sept. 16, 1879 | 584 | ..... | 16 | 503 |
| 219, 567 | Same.....same | Sept. 16, 1879 | 585 | ..... | 16 | 503 |
| 214, 278 | Carter, Charles H., San Francisco, Cal. Metallic lath | Apr. 15, 1879 | 659 | 184 | 15 | 573 |
| | Carter, Dinsmore & Co. (*See* Schilling, William J., assignor.) | | | | | |
| 216, 939 | Carter, Egbert P., Arcade, N. Y. Vehicle-spring | July 1, 1879 | 13 | 4 | 16 | 4 |
| 217, 926 | Carter, John W., Boston, Mass. Ink-bottle | July 29, 1879 | 1148 | 328 | 16 | 188 |
| 211, 969 | Carter, Mordecai, Plainfield, and J. F. Coppock, West Newton, Ind.; said Coppock assignor to said Carter. Automatic gate | Feb. 4, 1879 | 167 | 48 | 15 | 147 |
| 219, 906 | Carter, Nathan F., Quechee, Vt. Rotary library reference-table | Sept. 23, 1879 | 974 | 270 | 16 | 565 |
| | Carter, Rice & Co. (*See* Brigham, William V., assignor.) | | | | | |
| 216, 377 | Carter, Thomas J., Athens, Ala. Fertilizer-distributer | June 10, 1879 | 428 | 121 | 15 | 946 |
| 212, 591 | Cartmel, Robert J., Santa Rosa, Cal. Hydraulic engine | Feb. 25, 1879 | 923 | 255 | 15 | 260 |
| 211, 220 | Cartter, David K., Washington, D. C. Car-truck for street-railways | Jan. 7, 1879 | 154 | 46, 47 | 15 | 21 |
| 211, 221 | Same..... Covering for beds | Jan. 7, 1879 | 158 | 47, 48 | 15 | 21 |
| | Carver, Charles P. (*See* Vandervoort & Carver.) | | | | | |
| | Carver Gin and Machine Company. (*See* Carver, Joseph E., assignor.) | | | | | |
| 220, 053 | Carver, Henry C., Llanidloes, Montgomery County, Wales, Great Britain. Apparatus for supplying fuel to furnaces | Sept. 30, 1879 | 1158 | 319 | 16 | 598 |
| 213, 169 | Carver, Joseph E., assignor to Carver Gin and Machine Company, Memphis, Tenn. Cotton-gin saw | Mar. 11, 1879 | 485 | 134 | 15 | 367 |
| 222, 178 | Carver, Thomas F., assignor of one-half interest to C. C. McCloud and H. G. Crane, Worcester, Mass. Machine for making metal screws | Dec. 2, 1879 | 69 | 16, 17 | 16 | 1018 |
| 222, 661 | Carvill, Alphonso H., Somerville, Mass. Machine for manufacturing heel-stiffeners | Dec. 16, 1879 | 648 | 186 | 16 | 1118 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 213, 386 | Carvill, Orrin S., San Francisco, Cal. Vehicle-spring | Mar. 18, 1879 | 719 | 202 | 15 | 406 |
| 215, 320 | Cary, Alanson, New York, N. Y., and T. S. Blair, Pittsburg, Pa. Metallic fence-post | May 13, 1879 | 411 | 122 | 15 | 758 |
| 217, 667 | Cary, Alanson, New York, N. Y. Machine for barbing fence-wires | July 15, 1879 | 834 | 238 | 16 | 131 |
| 218, 662 | Cary, Charles H., Bristol, R. I. Windmill | Aug. 19, 1879 | 652 | 184 | 16 | 323 |
| 212, 354 | Cary, George W., Providence, R. I. Sash-fastener | Feb. 18, 1879 | 619 | 174 | 15 | 211 |
| 212, 355 | Same..... Jig-saw | Feb. 18, 1879 | 620 | 174 | 15 | 211 |
| 218, 810 | Cary, James C., Richfield Springs, N. Y. Device for stretching pants | Aug. 26, 1879 | 839 | 236 | 16 | 363 |
| 218, 928 | Case, Andrew P., Detroit, Mich. Lid for car-axle boxes | Aug. 26, 1879 | 977 | 274 | 16 | 383 |
| 216, 378 | Case, Edwin L., Denver, Colo. Fence-post | June 10, 1879 | 429 | 122 | 15 | 946 |
| 217, 059 | Same.....Stove-pipe joint | July 1, 1879 | 148 | 44 | 16 | 21 |
| | Case, George. (*See* Emerson & Case.) | | | | | |
| 8, 547 | Case, Jarvis, assignor to Farmers' Friend Manufacturing Company, Dayton, Ohio. Corn-planter (Reissue) | Jan. 21, 1879 | 633 | 178 | 15 | 84 |
| | Case, L., *et al.* (*See* Butler, Hiram E., assignor.) | | | | | |
| 216, 307 | Case, Orlando D., Hartford, Conn. School-desk | June 10, 1879 | 339 | 99 | 15 | 935 |
| 220, 701 | Case, Philo L., Des Moines, Iowa. Sulky-plow | Oct. 21, 1879 | 574 | 153 | 16 | 728 |
| | Case Plow Company, J. I. (*See* Wilder, Charles O., assignor.) | | | | | |
| 222, 179 | Case, Schuyler S., Indianapolis, Ind. Self-heating iron | Dec. 2, 1879 | 70 | 17 | 16 | 1018 |
| 212, 895 | Case, Stephen A., Amsterdam, N. Y. Machine for shaping springs | Mar. 4, 1879 | 144 | 40 | 15 | 314 |
| 218, 112 | Casey, Jeremiah, Binghamton, N. Y. Show-box for cigars | Aug. 5, 1879 | 7 | 3 | 16 | 222 |
| 220, 575 | Casey, Jeremiah, Allentown, Pa. Cigar-box | Oct. 14, 1879 | 428 | 111 | 16 | 700 |
| | Casey, John. (*See* Praul, John E., assignor.) | | | | | |
| 212, 788 | Casey, John, Jersey City, N. J. Check-register | Mar. 4, 1879 | 9 | 3 | 15 | 298 |
| 212, 896 | Cass, Henry W., assignor to Saint Louis Refrigerator and Wooden Gutter Company, Saint Louis, Mo. Refrigerator-door packing | Mar. 4, 1879 | 145 | 41 | 15 | 315 |
| 222, 663 | Cash, Evan F., and A. L. Baron, Bellaire, Ohio. Lantern | Dec. 16, 1879 | 651 | 187 | 16 | 1118 |
| 221, 395 | Cass, Cyrus N., Decatur, Ill. Rope-reel | Nov. 11, 1879 | 302 | 83 | 16 | 863 |
| 221, 394 | Cass, Henry W., Saint Louis, Mo. Refrigerator | Nov. 11, 1879 | 301 | 82 | 16 | 862 |
| 220, 574 | Cass, William M., and J. A. Long, Cogg Hill, Tenn. Saw-gummer | Oct. 14, 1879 | 427 | 110 | 16 | 700 |
| 220, 898 | Cassidy, Edwin B., Cincinnati, Ohio. Bakers' oven | Oct. 21, 1879 | 795 | 213 | 16 | 757 |
| 221, 777 | Cassie, George R., Boston, Mass. Paint-can | Nov. 18, 1879 | 735 | 205 | 16 | 931 |
| 221, 519 | Cassil, Philip W., New Athens, Ohio. Weather-strip | Nov. 11, 1879 | 447 | 121 | 16 | 882 |
| 219, 907 | Casson, Richard S., Round Oak Works, Brierly Hill, Stafford County, England. Pudding and heating furnace | Sept. 23, 1879 | 975 | 270, 271 | 16 | 565 |
| 219, 688 | Castle, Christopher, Cleveland, Ohio. Boiler-flue cleaner | Sept. 16, 1879 | 729 | 202 | 16 | 522 |
| 215, 264 | Castle, Lewis D., and J. W. Strong, Bridgeport, Conn. Tap | May 13, 1879 | 343 | 100 | 15 | 749 |
| 211, 293 | Castle, Orlando L., Upper Alton, Ill. Grain-binder | Jan. 14, 1879 | 251 | 74 | 15 | 33 |
| 213, 735 | Castle, Samuel D., Bridgeport, Conn. Treating furs | Apr. 1, 1879 | 7 | 2 | 15 | 474 |
| 213, 736 | Same.....Fur articles | Apr. 1, 1879 | 8 | 3 | 15 | 474 |
| 213, 737 | Same.....Finishing pelts | Apr. 1, 1879 | 8 | 3 | 15 | 474 |
| 222, 662 | Castle, Simeon B., Syracuse, N. Y. Hay-loading machine | Dec. 16, 1879 | 650 | 186, 187 | 16 | 1118 |
| 221, 520 | Castropol, Amador V. y, Madrid, Spain. Earth drilling and boring machine for artesian and other wells | Nov. 11, 1879 | 447 | 121, 122 | 16 | 882 |
| | Cate, George N. (*See* Walker, Winslow D., assignor.) | | | | | |
| 221, 666 | Cate, Silas H., Watertown, Mass. Winding attachment for watches | Nov. 18, 1879 | 611 | 131 | 16 | 914 |
| 220, 011 | Cates, John G., Russellville, Ky. Weed-turner | Nov. 25, 1879 | 1027 | 287 | 16 | 979 |
| 8, 933 | Cathcart, Rodney S., Dallas, Tex., assignor to Straub Mill Company, Cincinnati, Ohio. Millstone-driver (Reissue) | Oct. 14, 1879 | 561 | 148 | 16 | 718 |
| | Catlin, Charles A. (*See* Wilson & Catlin.) | | | | | |
| | Same.....(*See* Wilson, Jones & Catlin.) | | | | | |
| 214, 489 | Catlin, Charles A., Providence, R. I. Preserving milk | Apr. 22, 1879 | 910 | ..... | 15 | 614 |
| 221, 778 | Catlin, Robert M., Tuscarora, Nev. Water-elevator | Nov. 18, 1879 | 736 | 205 | 16 | 932 |
| 222, 983 | Cattanach, Donald D., Providence, R. I. Treating linseed and kindred oils | Dec. 30, 1879 | 1018 | 292 | 16 | 1191 |
| 218, 929 | Cavanagh, Bartholomew, Susquehanna Depot, Pa. Fire-escape ladder | Aug. 26, 1879 | 977 | 275 | 16 | 383 |
| 213, 808 | Cave, James, Canton, Mass. Knit vest or jacket for female wear | Apr. 1, 1879 | 84 | 27 | 15 | 483 |
| | Caven, William. (*See* Burton, Peet & Caven.) | | | | | |
| 215, 321 | Cavin, Henry, assignor to R. Hoe & Co., New York, N. Y. Paper-damping machine | May 13, 1879 | 412 | 122, 123 | 15 | 758 |
| 211, 554 | Cayce, John M., Franklin, Tenn. Hydrometer and liquid-meter | Jan. 21, 1879 | 557 | 158 | 15 | 74 |
| 221, 779 | Cayce, John M., Thompson's Station, Tenn. Motor | Nov. 18, 1879 | 737 | 205 | 16 | 932 |
| | Cebrian, John C. (*See* Molera & Cebrian.) | | | | | |
| | Celluloid Hat and Trimming Company. (*See* Kanouse, Charles O., assignor.) | | | | | |
| | Celluloid Manufacturing Company. (*See* Edson, Jarvis B., assignor.) | | | | | |
| | Same.....(*See* Halsey, William H., assignor.) | | | | | |
| | Same.....(*See* Hyatt, John W., assignor.) | | | | | |
| | Celluloid Novelty Company. (*See* Carpenter, William B., assignor.) | | | | | |
| | Celluloid Waterproof Cuff and Collar Company. (*See* Kanouse & Sanborn, assignors.) | | | | | |
| | Cerf, Max. (*See* Bernhardt, Ernst, assignor.) | | | | | |
| | Chadwick, Patrick J. (*See* Wells, Charles G., assignor.) | | | | | |
| | Chadwick, William. (*See* Furst & Chadwick.) | | | | | |
| 217, 859 | Chaffee, Frank W., Springfield, Mass. Freight-car door | July 29, 1879 | 1073 | 303 | 16 | 178 |
| 211, 887 | Chaffee, Reuben S., assignor of one-half interest to J. N. Reece, Springfield, Ill. Magazine for fire-arms | Feb. 4, 1879 | 74 | 21 | 15 | 135 |
| 212, 657 | Same.....Magazine fire-arm | Feb. 25, 1879 | 989 | 274 | 15 | 269 |
| 214, 490 | Challoner, George, Omro, Wis. Shingle-sawing machine | Apr. 22, 1879 | 911 | 257 | 15 | 614 |
| | Chamberlain, Albert N., *et al.* (*See* Gilchrist, Jerome E., assignor.) | | | | | |
| 213, 544 | Chamberlain, Charles C., Muskegon, Mich. Fire-escape ladder | Mar. 25, 1879 | 891 | 254 | 15 | 436 |
| 220, 521 | Chamberlain, Edmund D., Westfield, and S. J. Marden, Newark, N. J. Hand-stamp | Oct. 14, 1879 | 356 | 94 | 16 | 691 |
| | Chamberlain, Harrison. (*See* Seymour & Chamberlain.) | | | | | |
| 8, 761 | Chamberlin, Charles A., Camden, N. J., assignor, by mesne assignments, to American Chain Company (limited). Link for chains (Reissue) | June 17, 1879 | 807 | 231 | 15 | 1007 |
| | Chamberlin, Edwin. (*See* Chamberlin, Franklin, assignor.) | | | | | |
| 222, 867 | Chamberlin, Edwin, Lansingburg, assignor to Chamberlin & Randall, Troy, N. Y. Whip-socket | Dec. 23, 1879 | 884 | 254 | 16 | 1161 |
| 212, 592 | Chamberlin, Franklin, Lansingburg, assignor to self and E. Chamberlin, Troy, N. Y. Blacking-brush | Feb. 25, 1879 | 924 | 256 | 15 | 260 |
| 213, 170 | Chamberlin, George, Olean, N. Y. Collar-cap press | Mar. 11, 1879 | 485 | 134 | 15 | 367 |
| | Chamberlin, Henry E. (*See* Andrews & Chamberlin.) | | | | | |
| | Chamberlin & Randall. (*See* Chamberlin, Edwin, assignor.) | | | | | |
| | Chambers, Bering & Quinlan. (*See* Bering, Colborne & Richmond, assignors.) | | | | | |
| | Chambers, Cyrus, jr. (*See* Mendham & Chambers.) | | | | | |
| 216, 598 | Chambers, Cyrus, jr., and W. Mendham, Philadelphia, Pa. Paper-folding machine | June 17, 1879 | 676 | 193 | 15 | 988 |
| 216, 599 | Chambers, Cyrus, jr., and W. Mendham, Philadelphia, Pa.; said Mendham assignor to said Chambers. Paper-folding machine | June 17, 1879 | 677 | 193 | 15 | 988 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216, 600 | Chambers, Cyrus, jr., Philadelphia, Pa. Paper-folding machine | June 17, 1879 | 679 | 194 | 15 | 988 |
| 216, 601 | Same.....same | June 17, 1879 | 680 | 194, 195 | 15 | 989 |
| 222, 455 | Chambers, Cyrus, jr., and W. Mendham, Philadelphia, Pa.; said Mendham assignor to said Chambers. Printing and folding machine | Dec. 9, 1879 | 380 | 107, 108, 109, 110 | 16 | 1070 |
| 8, 792 | Chambers, James W., assignor to A. R. Blacklock, Baltimore, Md. Fan attachment for sewing-machines (Reissue) | June 8, 1879 | 577 | 166 | 16 | 85 |
| | Chambers, Josephus C. (*See* Moore, Jehu C., assignor.) | | | | | |
| 218, 664 | Chambers, Josephus C., Cincinnati, Ohio. Coffee-crushing roll | Aug. 19, 1879 | 655 | 185 | 16 | 328 |
| 218, 663 | Chambers, J. Wright, Baltimore, Md. Automatic attachment for key-board musical instruments | Aug. 19, 1879 | 653 | 184, 185 | 16 | 328 |
| | Champion Corn Husker Company. (*See* Webber, Josiah, jr., assignor,) | | | | | |
| | Champion Iron Fence Company. (*See* Devoe & Walker, assignors) (Reissue.) | | | | | |
| 220, 122 | Champion, Jeremiah W., Rocheport, Mo. Wheat-steamer | Sept. 30, 1879 | 1236 | 340 | 16 | 609 |
| | Champlin, William H. (*See* Fenton & Champlin.) | | | | | |
| 213, 619 | Champomier, Gabriel, Paris, France. Boot and shoe | Mar. 25, 1879 | 973 | 275 | 15 | 447 |
| 222, 812 | Chandler, George H., Lowell, Mass. Mechanism for stripping the top flats of carding machines | Dec. 23, 1879 | 818 | 234, 235 | 16 | 1152 |
| 211, 701 | Chandler, Moses, East Corinth, Me., assignor to J. G. and J. B. Mayo. Horse-hoe | Jan. 28, 1879 | 744 | 208 | 15 | 102 |
| 219, 909 | Chandler, Thomas E., assignor of one-half interest to F. Taylor, Indianapolis, Ind. Brick-machine | Sept. 23, 1879 | 977 | 272 | 16 | 566 |
| 221, 955 | Chapell, Elisha S., Pembroke, Me. Slide-valve for steam-engines | Nov. 25, 1879 | 972 | 272 | 16 | 972 |
| 221, 956 | Chapell, Elisha S., Boston, Mass. Slide-valve | Nov. 25, 1879 | 973 | 272 | 16 | 972 |
| | Chapin, Henry A. (*See* Bryant, Orrin, assignor.) | | | | | |
| 211, 222 | Chapin, Henry A., Springfield, Mass. Electro-magnetic stop-motion for spinning-machines | Jan. 7, 1879 | 160 | 48 | 15 | 21 |
| 221, 153 | Chapin, John E., New York, N. Y. Pipe and hose coupling | Nov. 4, 1879 | 17 | 4 | 16 | 815 |
| 221, 154 | Same.....Pipe-coupling for railway-cars | Nov. 4, 1879 | 18 | 5 | 16 | 815 |
| | Chapin, Myron H. (*See* Plass, Reuben H., assignor.) | | | | | |
| 211, 970 | Chapin, William W., Manistee, Mich. Machine for sawing shingles | Feb. 4, 1879 | 169 | 48 | 15 | 148 |
| 217, 340 | Chaplin, Orril R., assignor to D. C. Knowlton, Boston, Mass. Boot and shoe nailing machine | July 8, 1879 | 465 | 135, 136 | 16 | 71 |
| | Chapman, Alfred, *et al.* (*See* Watson, James, assignor.) | | | | | |
| 215, 720 | Chapman, Benjamin G., Clayville, N. Y. Machine for pulling hop-poles | May 27, 1879 | 869 | 254 | 15 | 836 |
| | Chapman Binder Company. (*See* Chapman, Edwin, assignor.) | | | | | |
| 214, 811 | Chapman, Edwin, assignor to Chapman Binder Company, Rochester, Minn. Elevator for harvesters | Apr. 29, 1879 | 1292 | 361 | 15 | 669 |
| | Chapman, James G., *et al.* (*See* Watson, James, assignor.) | | | | | |
| 216, 379 | Chapman, James H., and R. Hawthorn, Peekskill, N. Y. Device for tapping mains | June 10, 1879 | 430 | 122 | 15 | 946 |
| 212, 897 | Chapman, Jeremiah, Virginia City, Nev. Reversible gang-plow | Mar. 4, 1879 | 146 | 41 | 15 | 315 |
| 214, 884 | Chapman, John A., Whitewater, Wis. Carriage-top | Apr. 29, 1879 | 1369 | 381 | 15 | 679 |
| | Chapman, John G. (*See* Dolby, Thomas G. F., assignor.) | | | | | |
| | Chapman, Lafayette. (*See* Williams & Chapman.) | | | | | |
| 219, 219 | Chapman, Luke, assignor to Collins Company, Collinsville, Conn. Reversible sulky-plow | Sept. 2, 1879 | 183 | 54, 55 | 16 | 436 |
| 219, 220 | Same.....Reversible plow | Sept. 2, 1879 | 184 | 55 | 16 | 436 |
| 220, 520 | Chapman, Luke, Collinsville, Conn. Rotary pump | Oct. 14, 1879 | 356 | 93 | 16 | 691 |
| 9, 007 | Chapman, Luke, assignor to Collins Company, Collinsville, Conn. Die and punch for forming the eyes of adzes (Reissue) | Dec. 30, 1879 | 1278 | 361, 362 | 16 | 1227 |
| 222, 984 | Chapman, Luke, assignor of one-half interest to Collins Company, Collinsville, Conn. Plow | Dec. 30, 1879 | 1022 | 292 | 16 | 1192 |
| 215, 096 | Chapman, Maria, Dubois, Ill., assignor to self and A. Getchell, Boston, Mass. Refining copper | May 6, 1879 | 125 | ..... | 15 | 718 |
| 217, 061 | Chapman, Robert T., Louisville, Ky. Bracelet | July 1, 1879 | 149 | 44 | 16 | 22 |
| 218, 113 | Chappell, Thomas C., Baltimore, Md. Vehicle or vessel for transporting corrosive liquids and acids | Aug. 5, 1879 | 8 | 3 | 16 | 222 |
| 216, 603 | Chaquette, Ephraiem, San Francisco, Cal. Centrifugal pump | June 17, 1879 | 683 | 195 | 15 | 989 |
| 222, 380 | Same.....Dredging-machine | Dec. 9, 1879 | 299 | 83 | 16 | 1060 |
| 222, 381 | Same.....Machine for raising tailings in mines | Dec. 9, 1879 | 300 | 83 | 16 | 1060 |
| | Chazeret, Edmond E., *et al.* (*See* De Beauregard, Felix A. T., assignor.) | | | | | |
| 214, 621 | Charlesworth, David, Egmondville, Ontario, Canada. Middlings-separator | Apr. 22, 1879 | 1067 | 299 | 15 | 633 |
| 211, 379 | Charlon, Eugene, Lyons, France. Machine for washing and beating thread | Jan. 14, 1879 | 361 | 104 | 15 | 47 |
| 221, 445 | Chase, Albert D., Sea Cliff, N. Y. Screen to be used in drying vegetables, &c | Nov. 11, 1879 | 356 | 98 | 16 | 870 |
| 222, 813 | Chase, Amos F., Lynn, Mass. Carpet-lining | Dec. 23, 1879 | 820 | 235 | 16 | 1152 |
| 215, 572 | Chase, Andrew J., Boston, Mass. Purifying, circulating, and rarefying air | May 20, 1879 | 699 | 205 | 15 | 805 |
| 212, 189 | Chase, Benjamin F., assignor of one-half interest to M. Davis, San José, Cal. Quicksilver furnace and condenser | Feb. 11, 1879 | 429 | 117, 118 | 15 | 183 |
| 222, 454 | Chase, Charles F., North Weare, N. H. Nutmeg-grater | Dec. 9, 1879 | 380 | 107 | 16 | 1070 |
| | Chase, Charles L., *et al.* (*See* Waring, John B., assignor.) | | | | | |
| 215, 571 | Chase, Charles T., Thomaston, Me. Sleigh | May 20, 1879 | 698 | 205 | 15 | 805 |
| 212, 190 | Chase, Charles W., Lynn, assignor to J. W. Brooks, trustee, Boston, Mass. Burnishing-tool for boots and shoes | Feb. 11, 1879 | 430 | 118 | 15 | 183 |
| 218, 230 | Chase, Christie S., Johnstown, Ohio. Choke-bore instrument | Aug. 5, 1879 | 140 | 39 | 16 | 239 |
| | Chase, Edwin E., *et al.* (*See* Card, William L., assignor.) | | | | | |
| 212, 789 | Chase, Franklin N., Binghamton, N. Y. Indicator | Mar. 4, 1879 | 10 | 3 | 15 | 298 |
| 222, 866 | Chase, J. Herbert, Cambridge, Mass. Reed-organ action | Dec. 23, 1879 | 883 | 254 | 16 | 1161 |
| | Chase, James G. (*See* Millard & Chase.) | | | | | |
| 212, 356 | Chase, Joseph, and S. H. Bowker, Worcester, Mass. Fluid-motor | Feb. 18, 1879 | 621 | 174, 175 | 15 | 211 |
| 216, 656 | Chase, Julian A., Pawtucket, R. I. Whiffletree | June 17, 1879 | 734 | 210 | 15 | 996 |
| 219, 908 | Chase, Julian A., and P. W. Arnold, Pawtucket, R. I. Coffee-urn | Sept. 23, 1879 | 977 | 271 | 16 | 566 |
| 218, 487 | Chase, Lorenzo, Portland, Me. Sounding-board | Aug. 12, 1879 | 444 | 124 | 16 | 290 |
| 220, 465 | Chase, Milton, Haverhill, Mass., and Z. Sargent, Rochester, N. H.; said Sargent assignor to said Chase. Apparatus for waxing thread | Oct. 14, 1879 | 291 | 77, 78 | 16 | 683 |
| 219, 619 | Chase, Richard F. M., assignor to self and H. F. Herkner, New York, N. Y. Knitting-machine and tubular knit fabric | Sept. 16, 1879 | 645 | 179 | 16 | 511 |
| 211, 223 | Chaso, Robert H., Washington, D. C. Lamp | Jan. 7, 1879 | 161 | 48 | 15 | 22 |
| 211, 456 | Chase, Samuel L., Lockport, N. Y. Sash-fastener | Jan. 21, 1879 | 451 | 127 | 15 | 61 |
| 216, 602 | Same.....Door-fastener | June 17, 1879 | 682 | 195 | 15 | 989 |
| 217, 060 | Chastain, Jeptha M., Gaylesville, Ala. Manure-distributer | July 1, 1879 | 149 | 44 | 16 | 21 |
| | Chastain, T. Jay. (*See* Johnson, Jacob, assignor.) | | | | | |
| 212, 658 | Chatfield, Benjamin P., Aiken, S. C. Filter | Feb. 25, 1879 | 990 | 275 | 15 | 269 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 217,062 | Chattaway, George T., Brooklyn, assignor of one-half interest to A. B. Dobbs, Newburg, N. Y. Chuck attachment for lathes | July 1, 1879 | 150 | 445 | 16 | 22 |
| 213,171 | Chatterton, Richard D., Cobourg, Ontario, Canada. Car-brake | Mar. 11, 1879 | 486 | 135 | 15 | 367 |
| | Chatwin, James, *et al.* (*See* Vache, William F., assignor.) | | | | | |
| 211,086 | Cheetham, William, and T. Hall, Lawrence, Mass.; said Cheetham assignor to said Hall. Wool-condenser for carding-machines | Jan. 7, 1879 | 9 | 3 | 15 | 2 |
| | Cheever, John H. (*See* Stevens, Edgar M., assignor) (Reissue.) | | | | | |
| | Cheney, Alonzo M. (*See* Willard & Cheney.) | | | | | |
| | Cheney, Armilla A. (*See* Cheney, James W., assignor. | | | | | |
| 220,342 | Cheney, James W., assignor of one-half interest to J. B. Wayne, Detroit, Mich. Combined anvil and vise | Oct. 7, 1879 | 146 | 40 | 16 | 654 |
| 221,781 | Cheney, James W., assignor to A. A. Cheney, Detroit, Mich. Combined anvil and vise | Nov. 18, 1879 | 739 | 206 | 16 | 932 |
| | Cheney, Nathaniel. (*See* Petit, Gaston, assignor.) | | | | | |
| 219,910 | Cherry, John G., Walker, Iowa. Milk-pan | Sept. 23, 1879 | 980 | 272 | 16 | 566 |
| 222,814 | Cherry, John G., Cedar Rapids, Iowa. Can for transporting milk or cream | Dec. 23, 1879 | 821 | 235 | 16 | 1152 |
| 8,874 | Chester, Charles T., Englewood, N. J., assignor to American District Telegraph Company, New York, N. Y. Protecting safes and vaults from burglars (Reissue) | Aug. 26, 1879 | 1123 | 314 | 16 | 402 |
| | Chester Tube and Iron Company. (*See* Stott, Benjamin, assignor.) | | | | | |
| 221,907 | Chesterman, Edwin, Philadelphia, Pa. Seat for cars | Nov. 25, 1879 | 911 | 255, 256 | 16 | 964 |
| | Cheyney, Edward L. (*See* Weaver & Cheyney.) | | | | | |
| | Chicago Stamping Company. (*See* Morgan, Elisha, jr., assignor.) | | | | | |
| 217,341 | Chichester, Franklin, Milwaukee, Wis. High chair and carriage | July 8, 1879 | 467 | 136 | 16 | 71 |
| 217,584 | Same.....Tilting chair | July 15, 1879 | 740 | 211 | 16 | 119 |
| 215,573 | Chichester, Lewis S., New York, N. Y. Prepared cereals | May 20, 1879 | 700 | ..... | 15 | 805 |
| 9,016 | Chichester, Lewis S., New York, N. Y., assignor to Standard Cereals Company. Prepared cereals (Reissue) | Dec. 30, 1879 | 1298 | ..... | 16 | 1230 |
| 220,274 | Chicken, William, Chelsea, Mass. Bark cutting and reducing machine | Oct. 7, 1879 | 70 | 19 | 16 | 644 |
| 217,989 | Chickering, Kenton, Oil City, Pa. Stuffing-box | July 29, 1879 | 1211 | 347 | 16 | 197 |
| | Chidester, Foster B. (*See* Davies & Chidester.) | | | | | |
| 220,343 | Chilcott, Amon W., Ottumwa, Iowa. Windmill | Oct. 7, 1879 | 147 | 40 | 16 | 655 |
| 211,457 | Childers, William, Eddyville, Ky. Fire-place | Jan. 21, 1879 | 451 | 128 | 15 | 61 |
| | Children, Arthur G. (*See* Children, Edwin and A. G.) | | | | | |
| 212,091 | Children, Edwin and A. G., Dunleith, Ill. Machine for cutting and forming sheet-metal fence-barbs | Feb. 11, 1879 | 314 | 86, 87 | 15 | 167 |
| 219,221 | Childs, Edwin B., Rockford, Ill. Vehicle-platform trestle | Sept. 2, 1879 | 185 | 55 | 16 | 436 |
| 220,466 | Childs, J. Wallace, Kansas City, Mo. School-desk | Oct. 14, 1879 | 292 | 78 | 16 | 684 |
| 220,576 | Chilis, William S., assignor of one-half interest to C. S. Edwards, Forkland, Ala. Combined grocer's scoop and funnel | Oct. 14, 1879 | 429 | 111 | 16 | 700 |
| 213,809 | Chinnock, Charles E., Brooklyn, N. Y. Time-lock | Apr. 1, 1879 | 84 | 27 | 15 | 483 |
| 221,667 | Chinnock, George H., assignor to L. Richardson, Brooklyn, N. Y. Can and cover therefor | Nov. 18, 1879 | 612 | 172 | 16 | 914 |
| 216,555 | Chipley, Lucien M. and M. D. Saint Louis, Mo. Corset | June 17, 1879 | 623 | 177 | 15 | 981 |
| | Chipley, Marshal D. (*See* Chipley, Lucien M. and M. D.) | | | | | |
| 222,572 | Chipley, Marshal D., New York, N. Y. Thimble | Dec. 16, 1879 | 540 | 153 | 16 | 1102 |
| 218,930 | Chisholm, Colin, Los Angeles, Cal. Car-coupling | Aug. 26, 1879 | 979 | 275 | 16 | 383 |
| 211,458 | Chisholm, Henry, Cleveland, Ohio. Apparatus for manufacturing wire | Jan. 21, 1879 | 453 | 128 | 15 | 61 |
| 216,021 | Chisholm, William, Cleveland, Ohio. Fork and device for making the same | June 3, 1879 | 17 | 4, 5 | 15 | 887 |
| 219,069 | Same.....Machine for making shovels | Sept. 2, 1879 | 13 | 4, 5 | 16 | 414 |
| | Chittenden, Charles E., *et al.* (*See* Michels, Jacob, assignor.) | | | | | |
| 215,097 | Chittenden, Harvey M., assignor of one-half interest to G. F. Larkin, Danbury, Conn. Hot-air furnace | May 6, 1879 | 126 | 37, 38 | 15 | 718 |
| | Choate, William B. (*See* Carey & Choate.) | | | | | |
| 222,664 | Choles, Harry O., Upper Clapton, Middlesex County, England. Stock and die for screw-threading pipes, &c | Dec. 16, 1879 | 653 | 187 | 16 | 1118 |
| 211,971 | Chrystal, Alexander, West Troy, and J. J. Walsh, assignors of one-third interest to E. Carey, Troy, N. Y. Centrifugal drying-machine | Feb. 4, 1879 | 169 | 49 | 15 | 148 |
| 215,793 | Christy, Arthur, Buffalo, N. Y. Envelope | May 27, 1879 | 947 | 278 | 15 | 847 |
| 211,702 | Christian, Johann F., assignor to G. Neiff & Co., Nürnberg, Germany. Button | Jan. 28, 1879 | 744 | 208 | 15 | 102 |
| | Christian, Louis F. (*See* Desparois & Christian.) | | | | | |
| 214,622 | Christiansen, Thade, Baltimore, Md. Ballot-box | Apr. 22, 1879 | 1068 | 299 | 15 | 633 |
| | Christie, John, *et al.* (*See* Armstead, Taswill B., assignor.) | | | | | |
| 212,659 | Christie, John J., and J. Overton, Henderson, Tenn. Wrench and crimper for nut-washers | Feb. 25, 1879 | 991 | 275 | 15 | 269 |
| 214,364 | Christie, John J., assignor of one-half interest to J. W. Kirk, Henderson, Tenn. Car-coupling | Apr. 15, 1879 | 766 | 214 | 15 | 586 |
| 218,488 | Christie, John J., Henderson, Tenn. Newspaper-file | Aug. 12, 1879 | 445 | 124 | 16 | 290 |
| 213,872 | Christin, Arthur, Chicago, Ill. Car-starter | Apr. 1, 1879 | 154 | 46 | 15 | 492 |
| 218,161 | Christman, Harry, Philadelphia, Pa. Trap for birds | Aug. 5, 1879 | 64 | 17 | 16 | 229 |
| 217,063 | Christopher, James C., Baltimore, Md., and F. B. Squire, Cleveland, Ohio. Centrifugal apparatus for treating petroleum | July 1, 1879 | 153 | 45 | 16 | 22 |
| 215,574 | Christopher, James H., Chesterfield, Ill. Gate | May 20, 1879 | 701 | 205 | 15 | 806 |
| 214,623 | Christopher, John M., assignor of one-half interest to J. W. Hoddinott, Baltimore, Md. Brake-shoe | Apr. 22, 1879 | 1069 | 300 | 15 | 633 |
| | Christy, Calvin M. (*See* Christy, William T., sr., C. M., and W. T., jr.) | | | | | |
| | Christy, George H. (*See* Pendred, Vaughan, assignor.) | | | | | |
| 212,660 | Christy, Thomas J., assignor of one-half interest to F. Ricker, Saint Louis, Mo. Trace fastener and protector | Feb. 25, 1879 | 992 | 275 | 15 | 269 |
| 215,434 | Christy, William T., sr., C. M., and W. T., jr., Saint Louis, Mo. Purifying fire-clay | Mar. 20, 1879 | 538 | 159 | 15 | 784 |
| 222,985 | Chubbuck, Nathaniel W., assignor of one-half interest to E. Foglesanger, Hamburg, N. Y. Sleigh-shoe | Dec. 30, 1879 | 1022 | 292 | 16 | 1192 |
| 221,521 | Church, Benjamin S., Scarborough-on-the-Hudson, N. Y. Method and apparatus for detecting the rate of consumption of water | Nov. 11, 1879 | 450 | 122, 123 | 16 | 883 |
| 214,624 | Church, Dwight M., Derby, Conn. Bobbin for sewing-machine shuttles | Apr. 22, 1879 | 1069 | 300 | 15 | 633 |
| | Church, Henry A. (*See* Kennedy, Samuel V., assignor.) | | | | | |
| 222,573 | Church, James, Saint Louis, Mo. Screw-clamp and lifting-jack | Dec. 16, 1879 | 540 | 153 | 16 | 1102 |
| 222,868 | Church, Merwin, Chicago, Ill. Combined bidet and foot-bath | Dec. 23, 1879 | 884 | 254 | 16 | 1162 |
| 213,387 | Church, Thomas T., and A. Stillwell, Fort Hamilton, N. Y. Dumping-scow | Mar. 18, 1879 | 720 | 202 | 15 | 406 |
| 219,147 | Church, William, West Haven, Conn. Washing-machine | Sept. 2, 1879 | 99 | 30 | 16 | 425 |
| 217,845 | Church, William L., Brooklyn, N. Y., assignor of one-half interest to Buckeye Engine Company, Salem, Ohio. Steam-engine condenser | July 22, 1879 | 1045 | 299 | 16 | 167 |
| 220,805 | Churchill, George, Troy, N. Y. Shirt | Oct. 21, 1879 | 700 | 185 | 16 | 744 |
| | Cicott, Frank X. (*See* Ehret, Anatole, assignor.) | | | | | |
| 216,308 | Cicott, Frank X., San Francisco, Cal. Machine for reducing coin-blanks | June 10, 1879 | 340 | 100 | 15 | 935 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 218, 709 | Cilley, Daniel, Grand Rapids, Mich. Saw-mill | Aug. 19, 1879 | 700 | 199 | 16 | 334 |
| 215, 721 | Cilley, George W., assignor of one-half interest to Hopkins & Allen Manufacturing Company, Norwich, Conn. Fire-arm | May 27, 1879 | 870 | 255 | 15 | 836 |
| | Cincinnati Coffin Company. (*See* Howdon, Robert J., assignor.) | | | | | |
| 213, 172 | Claar, Samuel S., Bedford, Pa. Vehicle-spring | Mar. 11, 1879 | 487 | 135 | 15 | 367 |
| | Clancy, David. (*See* Fenner, Algar, assignor.) | | | | | |
| 214, 101 | Clapham, Thomas, Roslyn, N. Y. Construction of sharpie-boats | Apr. 8, 1879 | 445 | 126 | 15 | 536 |
| | Clapp, John J. (*See* Marshall, Charles E., assignor.) | | | | | |
| | Clapp, John W. (*See* Essick, Clapp & Tillon.) | | | | | |
| | Clapp, Joseph B. (*See* Simmons, Thomas, assignor.) | | | | | |
| 221, 780 | Clark, Alfred D., assignor of one-half interest to M. Kropp, Springfield, Ohio. Adjustable ladder-step | Nov. 18, 1879 | 738 | 206 | 16 | 932 |
| 222, 666 | Clark, Amasa C., Manchester, Iowa. Milk-cooler | Dec. 16, 1879 | 655 | 188 | 16 | 1118 |
| | Clark, Cassius B. (*See* Smith, John, assignor.) | | | | | |
| 212, 191 | Clark, Charles B. and J. K., Buffalo, N. Y. Fluting-machine | Feb. 11, 1879 | 432 | 118 | 15 | 183 |
| | Clark, Charles E. (*See* Clark, William P. and C. E.) | | | | | |
| | Clark, Daniel W. (*See* Longyear & Clark.) | | | | | |
| 217, 064 | Clark, David, Hazleton, Pa. Apparatus for separating coal from slate, &c | July 1, 1879 | 151 | 45 | 16 | 22 |
| 221, 908 | Clark, David W., Tidioute, Pa. Coupling | Nov. 25, 1879 | 913 | 256 | 16 | 964 |
| 8, 855 | Clark, Decius W., Philadelphia, Pa. Compound for enameling bricks, &c..(Reissue) | Aug. 19, 1879 | 809 | ..... | 16 | 350 |
| 8, 995 | Same.....Enameling bricks.....(Reissue) | Dec. 16, 1879 | 756 | ..... | 16 | 1133 |
| 222, 012 | Clark, Edward, assignor to self and R. Donshea, Jersey City, N. J. Composition for fire kindlers and lighters | Nov. 29, 1879 | 1028 | 288 | 16 | 979 |
| 217, 990 | Clark, George, New York, N. Y. Method and apparatus for treating cigars | July 29, 1879 | 1212 | 348 | 16 | 197 |
| | Clark, George W. (*See* Kenworthy & Clark.) | | | | | |
| 217, 585 | Clark, Henry R., Buffalo, N. Y. Door-spring | July 15, 1879 | 742 | 211 | 16 | 119 |
| 213, 738 | Clark, Hiram, Syracuse, N. Y. Coin-counter | Apr. 1, 1879 | 9 | 3 | 15 | 474 |
| 216, 999 | Clark, Hollis, Stanstead, Quebec, Canada. Wheelbarrow | July 1, 1879 | 76 | 23 | 16 | 12 |
| | Clark, Isaac J. (*See* Foehl, Charles, assignor.) | | | | | |
| 218, 489 | Clark, James R., assignor of one-half interest to F. C. L. Kurre, San Francisco, Cal. Muffle-furnace | Aug. 12, 1879 | 446 | 124 | 16 | 290 |
| | Clark, John, *et al.* (*See* Stevens, Charles V., assignor.) | | | | | |
| 218, 710 | Clark, John, Washington, D. C. Leveling-instrument | Aug. 19, 1879 | 702 | 200 | 16 | 335 |
| | Clark, John A. (*See* Porter & Clark) .....(Reissue.) | | | | | |
| | Same.....(*See* Twitchell & Clark.) | | | | | |
| 214, 812 | Clark, John H., Dunmore, Pa. Pipe-joint | Apr. 29, 1879 | 1293 | 361 | 15 | 669 |
| | Clark, John K. (*See* Clark, Charles B. and J. K.) | | | | | |
| 215, 881 | Clark, John P., Mount Washington, Md. Heating-stove | May 27, 1879 | 1048 | 305 | 15 | 859 |
| 218, 115 | Clark, Johnson E., Massillon, Ohio. Vehicle-top | Aug. 5, 1879 | 11 | 4 | 16 | 222 |
| 221, 522 | Clark, Joseph D., and W. Wells, Perry, Iowa. Metallic basket | Nov. 11, 1879 | 453 | 123 | 16 | 883 |
| | Clark, Marion W. A. (*See* Johnston, John, assignor.) | | | | | |
| 216, 309 | Clark, Moses M., assignor of one-half interest to J. Hall, Highland Mills, N. Y. Boot | June 10, 1879 | 242 | 100 | 15 | 935 |
| | Clark, Otis B., *et al.* (*See* Wittich, Augustus F., assignor.) | | | | | |
| 213, 388 | Clark, Partrick J., West Meriden, Conn. Lantern | Mar. 18, 1879 | 722 | 202 | 15 | 407 |
| 213, 389 | Clark, Partrick J., and J. Kintz, West Meriden, Conn. Hanging-lamp | Mar. 18, 1879 | 722 | 202 | 15 | 407 |
| 213, 620 | Same.....Lamp | Mar. 25, 1879 | 974 | 276 | 15 | 447 |
| 214, 365 | Same.....Drip-dish for lamps | Apr. 15, 1879 | 767 | 214 | 15 | 586 |
| 222, 771 | Same.....Extension-chandelier | Dec. 23, 1879 | 768 | 221 | 16 | 1145 |
| 219, 911 | Clark, Richard C., and J. A. Pearce, Frankfort, Ind. Bin | Sept. 23, 1879 | 981 | 272 | 16 | 566 |
| 222, 772 | Clark, Robert J., Chestnut Level, assignor to self and J. C. Rutter, Summit Hill, Pa. Combined reaper, thrasher, and separator | Dec. 23, 1879 | 769 | 222 | 16 | 1145 |
| 213, 545 | Clark, Roswell S., and J. R. Wilhelm, Addison, N. Y. Handling barrels | Mar. 25, 1879 | 893 | 254 | 15 | 437 |
| 219, 344 | Clark, Samuel G., Cleveland, Ohio. Steam-boiler furnace | Sept. 9, 1879 | 340 | 96 | 16 | 463 |
| 215, 045 | Clark, Thaddens L., Mount Vernon, Ohio. Machinery for unloading grain from cars | May 6, 1879 | 67 | 21 | 15 | 711 |
| 222, 013 | Clark, Thomas E., and W. W. Orris, Victor, Iowa. Fence-wire stretcher | Nov. 25, 1879 | 1028 | 288 | 16 | 979 |
| 8, 843 | Clark, Thomas M., Ottawa, Ontario, Canada. Manufacture of white or light-colored bricks.....(Reissue) | Aug. 12, 1879 | 586 | ..... | 16 | 311 |
| | Clark, Walter C. (*See* Riehl, Henry, assignor.) | | | | | |
| | Clark, William H., *et al.* (*See* Clement, Henry, assignor.) | | | | | |
| 215, 435 | Clark, William H., Chicago, Ill. Automatically and positively adjustable crank | May 20, 1879 | 540 | 159 | 15 | 784 |
| 222, 665 | Clark, William H. and W. J., Salem, Ohio. Elevator-bucket | Dec. 16, 1879 | 654 | 187 | 16 | 1118 |
| | Clark, William J. (*See* Clark, William H. and W. J.) | | | | | |
| 222, 382 | Clark, William P. and C. E., Belmont, N. Y. Horse hay-rake | Dec. 9, 1879 | 301 | 83, 84 | 16 | 1060 |
| 222, 869 | Clark, William P., Medford, Mass. Apparatus for drawing soda-water, &c | Dec. 23, 1879 | 885 | 255 | 16 | 1162 |
| 213, 621 | Clarke, Albert, Sheffield, England. Manufacture of scissors | Mar. 25, 1879 | 974 | 276 | 15 | 447 |
| 212, 790 | Clarke, Alfred, Atlantic City, N. J. Scissors and shears | Mar. 4, 1879 | 11 | 3 | 15 | 298 |
| | Clarke, F. D. W., *et al.* (*See* Orphy, John W., assignor.) | | | | | |
| 214, 491 | Clarke, Frederick W., Chicago, Ill. Apparatus for conveying tan-bark from leaches | Apr. 22, 1879 | 913 | 258 | 15 | 614 |
| 219, 848 | Clarke, Erwin B., Grand Rapids, Mich. Carpet-sweeper | Sept. 23, 1879 | 914 | 252, 253 | 16 | 557 |
| 217, 773 | Clarke, George D., assignor to Western Electric Manufacturing Company, Chicago, Ill. Carbon telephone | July 22, 1879 | 962 | 276 | 16 | 157 |
| 216, 150 | Clarke, George H., Portland, Oreg. Corset | June 3, 1879 | 149 | 44 | 15 | 904 |
| 8, 736 | Clarke, George R., Brooklyn, N. Y., assignor, by mesne assignments, to C. Cranston and E. J. Sterling. Paper-cutting machine.....(Reissue) | June 3, 1879 | 264 | 78, 79 | 15 | 918 |
| 218, 931 | Clarke, George R., assignor to C. Cranston and E. J. Sterling, Brooklyn, N. Y. Friction-clutch | Aug. 26, 1879 | 980 | 275 | 16 | 383 |
| 221, 216 | Clarke, George R., E. J. Sterling, and C. Cranston, Brooklyn, N. Y., assignors to said Cranston & Sterling. Paper-cutting machine | Nov. 4, 1879 | 82 | 22 | 16 | 823 |
| 222, 456 | Clarke, Greville E., Racine, Wis. Brake-lock for carriages | Dec. 9, 1879 | 386 | 110 | 16 | 1071 |
| 220, 124 | Clarke, Henry, Baltimore, Md. Lock | Sept. 30, 1879 | 1238 | 340, 341 | 16 | 610 |
| | Clarke, John, jr. (*See* Morris, Charles M., assignor.) | | | | | |
| 220, 055 | Clarke, Robert, Brooklyn, N. Y. Swing-faucet | Sept. 30, 1879 | 1163 | 320 | 16 | 599 |
| 213, 873 | Clarke, R. Phillips, Green Island, assignor to A. S. Robinson and N. Lyon, Albany, N. Y. Harvester-grinder | Apr. 1, 1879 | 156 | 46 | 15 | 492 |
| 212, 192 | Clarke, Thomas, Truro, Nova Scotia, Canada. Combined grinding-mill and feed-cutter | Feb. 11, 1879 | 433 | 119 | 15 | 184 |
| | Clarke, Thomas W., *et al.* (*See* McDonald, James W., assignor.) | | | | | |
| | Clarksen, Samuel, *et al.*, trustees. (*See* Crémérieux, Balthazard, assignor.) | | | | | |
| 8, 586 | Clarkson, Edward H. N., and W. H. H. Kesler, Baltimore, Md., assignors, by mesne assignments, to F. B. Sloan and F. S. Clarkson. Sash-cord guide.....(Reissue) | Feb. 18, 1879 | 845 | 235 | 15 | 241 |
| 216, 722 | Clarkson, Edward H. N., Baltimore, Md. Mortising-machine | June 24, 1879 | 821 | 235 | 15 | 1017 |
| | Clarkson, Frank S., *et al.* (*See* Clarkson & Kesler, assignors.) .....(Reissue.) | | | | | |
| | Clarkson, Frank S. (*See* Sloan & Clarkson.) | | | | | |
| 216, 940 | Clarkson, Frank S., Baltimore, Md. Sash-cord guide | July 1, 1879 | 14 | 4 | 16 | 4 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and occupation. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 218, 114 | Clarkson, Joseph T., Amesbury, Mass. Sleigh | Aug. 5, 1879 | 10 | 3 | 16 | 222 |
| 220, 056 | Same ..... Same | Sept. 30, 1879 | 1163 | 320 | 16 | 599 |
| | Clarkson, William H. (*See* Wolverton, Thomas H., assignor.) | | | | | |
| 216, 380 | Clarson, James W., Baltimore, Md. Sole for boots and shoes | June 10, 1879 | 431 | 122 | 15 | 946 |
| | Clary, Joseph M., *et al.* (*See* Rednon, Hope, jr., assignor.) | | | | | |
| | Clasen, Gottfried. (*See* Lynn & Clasen.) | | | | | |
| 212, 540 | Class, William F., assignor to J. Gay, Cleveland, Ohio. Vent-faucet | Feb. 25, 1879 | 866 | 239 | 15 | 252 |
| 212, 898 | Same ..... Apparatus for supplying beer-barrels, &c., with air | Mar. 4, 1879 | 147 | 41 | 15 | 315 |
| 220, 961 | Class, William F., Cleveland. Ohio. Apparatus for pumping fluids from casks | Oct. 28, 1879 | 890 | 238 | 16 | 778 |
| 219, 620 | Claude, Louis G., New York, and C. Ball, Green Point, N. Y., assignors to G. H. Russell, Newark, N. J. Horseshoe-machine | Sept. 16, 1879 | 646 | 179, 180 | 16 | 512 |
| 219, 621 | Claude, Louis G., New York, N. Y., assignor to G. H. Russell, Newark, N. J. Roll for horseshoe bars and blanks | Sept. 16, 1879 | 648 | 180 | 16 | 512 |
| | Clausen, George C. (*See* Clausen, Wundram & Clausen.) | | | | | |
| 212, 440 | Clausen, George C., New York, N. Y. Toe-weight for horses | Feb. 18, 1879 | 723 | 200 | 15 | 225 |
| 218, 231 | Clausen, Henry, New York, N. Y., G. W. Wundram, Jersey City Heights, N. J., and G. C. Clausen, New York, N. Y. Process and apparatus for treating hops and malt extracts | Aug. 5, 1879 | 141 | 39 | 16 | 239 |
| 211, 703 | Clauser, Jacob, Palmyra. Pa. Saw-frame | Jan. 28, 1879 | 745 | 208 | 15 | 102 |
| 215, 882 | Claypool, Wallace, North Buffalo, Pa. Farm-gate | May 27, 1879 | 1049 | 306 | 15 | 859 |
| 217, 446 | Clayton, Henry, assignor of one-half interest to G. W. Heathman, Dayton, Ohio. Combined pencil-sharpener, eraser, and tablet | July 13, 1876 | 595 | 170 | 16 | 100 |
| | Clayton, James. (*See* Ely, Philip, assignor.) | | | | | |
| 220, 123 | Clayton, James, Brooklyn, N. Y. Device for supplying lubricating-liquids to air-compressors | Sept. 30, 1879 | 1236 | 340 | 16 | 609 |
| 222, 014 | Same ..... Air-compressor | Nov. 25, 1879 | 1029 | 288 | 16 | 979 |
| 213, 622 | Clayton, John, Brainerd, Minn. Plow-colter | Mar. 25, 1879 | 975 | 276 | 15 | 447 |
| 213, 623 | Clayton, John, Grange Farm, Clayton (Brainerd P. O.), Minn. Gang-plow | Mar. 25, 1879 | 976 | 277 | 15 | 447 |
| 211, 087 | Clayton, John J., Dayton, Ohio. Variable force-feed for seeders | Jan. 7, 1879 | 10 | 4 | 15 | 2 |
| | Cleary, John. (*See* Dillon & Cleary.) | | | | | |
| 211, 224 | Cleary, Thomas, New York, N. Y. Bag-fastener | Jan. 7, 1879 | 162 | 48 | 15 | 22 |
| | Cleaveland, L. D., *et al.* (*See* Harris, Elijah, assignor.) | | | | | |
| 215, 098 | Cleaveland, Orlando, Middlesex, N. Y. Grain-feeder and band-cutter for thrashing-machines | May 6, 1879 | 127 | 38 | 15 | 719 |
| 218, 932 | Same ..... Ironing-table | Aug. 26, 1879 | 982 | 276 | 16 | 383 |
| 216, 151 | Cleaveland Wallace W., Marshall, Mich. Current-motor | June 3, 1879 | 149 | 44 | 15 | 904 |
| | Cleaver, Sarah. (*See* Warwick, Joseph and A. T., assignors.) | | | | | |
| 8, 775 | Clees, Joseph (administrator of J. N. Clees, deceased), assignor, by mesne assignments, to Union Iron Works, Decatur, Ill. Grain-separator ..... (Reissue) | June 24, 1879 | 1071 | 304 | 15 | 1049 |
| 213, 390 | Clegg, Benjamin, Philadelphia, Pa. Attachment for feed-water apparatus | Mar. 18, 1879 | 723 | 203 | 15 | 407 |
| | Clegg, William H. (*See* Barclay, Peter, assignor.) | | | | | |
| 214, 102 | Clem, David B., Philadelphia, Pa. Hoisting-machine | Apr. 8, 1879 | 446 | 26 | 15 | 536 |
| 219, 148 | Clement, Frank H., Rochester, N. Y. Band-sawing machine | Sept. 2, 1879 | 100 | 30 | 16 | 425 |
| 214, 625 | Clement, Henry, assignor of one-half interest to W. H. Clark and O. H. Miller, Rising Sun, Ind. Burglar-alarm | Apr. 22, 1879 | 1070 | 300 | 15 | 633 |
| 217, 586 | Clement, Howard E., Salem County, N. J. Meat-tenderer | July 15, 1879 | 743 | 212 | 16 | 119 |
| 217, 000 | Clements, Charles J., Brooklyn, N. Y. Front for post-office boxes | July 1, 1879 | 77 | 23 | 16 | 12 |
| 219, 801 | Clements, David, Dallas, Ohio. Carpet-rag looper | Sept. 23, 1879 | 869 | 240 | 16 | 550 |
| 217, 342 | Clements, John, Rochester, N. Y. Carriage-body adjuster | July 8, 1879 | 468 | 136 | 16 | 72 |
| 213, 391 | Cleminshaw, Sherman, assignor to Troy Button Hole Machine Company, Troy, N. Y. Button-hole sewing-machine | Mar. 18, 1879 | 724 | 203, 204 | 15 | 407 |
| | Clemmer, D. F., *et al.* (*See* Sagendorph, L. Lewis, assignor.) | | | | | |
| | Clephane, Lewis. (*See* Zeh, Charles C., assignor.) | | | | | |
| | Cleveland, Arthur J., *et al.* (*See* Caisse, Maxime, assignor.) | | | | | |
| | Cleveland Rolling Mill Company. (*See* Brightman, Latham, assignor.) | | | | | |
| | Clifford, Charles W., administrator. (*See* Wrightington, Charles D.) | | | | | |
| | Clifford, James. (*See* Clifford, Thomas, sr., and J.) | | | | | |
| | Clifford, John G. (*See* Bardsley & Clifford.) | | | | | |
| 218, 711 | Clifford, Thomas, sr., and J., Mount Savage, Md. Brick-mold and brick-press box | Aug. 19, 1879 | 704 | 200 | 16 | 335 |
| 213, 624 | Clime, John C., assignor of one-half interest to G. F. Godley, Philadelphia, Pa. Turbine water-wheel | Mar. 25, 1879 | 977 | 277 | 15 | 447 |
| 213, 625 | Same ..... Same | Mar. 25, 1879 | 979 | 277, 278 | 15 | 447 |
| 214, 813 | Clime, John C., assignor of two-thirds interest to G. F. Godley and F. Weihemnayer, Philadelphia, Pa. Turbine water-wheel | Apr. 29, 1879 | 1294 | 362 | 15 | 670 |
| 218, 232 | Climenson, William W., Saint Clair, Pa. Spittoon | Aug. 5, 1879 | 142 | 39 | 16 | 239 |
| 218, 233 | Cline, George J., Goshen, Ind. Pruning-shears | Aug. 5, 1879 | 143 | 39 | 16 | 239 |
| 222, 667 | Same ..... Stove-pipe damper | Dec. 16, 1879 | 656 | 188 | 16 | 1118 |
| 220, 057 | Clinton, Edward H., and W. Prather, Iowa City, Iowa. Combined slate-pencil sharpener and slate-frame | Sept. 30, 1879 | 1164 | 320 | 16 | 599 |
| 221, 719 | Clinton. Richard, Portland, Oreg. Device for applying color to the eyelashes | Nov. 18, 1879 | 673 | 188 | 16 | 922 |
| | Clinton Wire Cloth Company. (*See* Rix, George K., assignor.) | | | | | |
| 217, 774 | Clore, Joel, Waveland, Ind. Gate | July 22, 1879 | 963 | 276 | 16 | 157 |
| 214, 103 | Close, Jeremiah, Brooklyn, N. Y. Pump | Apr. 8, 1879 | 447 | 27 | 15 | 536 |
| 214, 885 | Cloud, Benjamin F., Philadelphia, Pa. Lathe-dog | Apr. 29, 1879 | 1370 | 381 | 15 | 679 |
| 220, 577 | Cloud, John W., Altoona, Pa. Gas-regulating burner | Oct. 14, 1879 | 430 | 111 | 16 | 700 |
| | Clough, C. H., *et al.* (*See* Scott, William W., assignor.) | | | | | |
| 211, 088 | Clough, James H., Quincy, Mass. Oil-can cabinet | Jan. 7, 1879 | 11 | 4 | 15 | 2 |
| 218, 163 | Clough, Morton M., Marlborough, Mass. Leather-skiving machine | Aug. 5, 1879 | 66 | 18 | 16 | 229 |
| 218, 162 | Clough, Thomas R., Medford, Mass. Ice-cream freezer | Aug. 5, 1879 | 65 | 17 | 16 | 229 |
| | Clouser, Henry G. (*See* Wirt & Clouser.) | | | | | |
| 212, 193 | Clover, Chester C., Oswego, Kans. Sulky-plow | Feb. 11, 1879 | 435 | 119 | 15 | 184 |
| 222, 668 | Clover, James W., Alton, Ohio. Grain-binder | Dec. 16, 1879 | 656 | 188, 189 | 16 | 1119 |
| 211, 225 | Cloyd, George W., Raccoon, Ky. Colter for grain-droppers | Jan. 7, 1879 | 164 | 48 | 15 | 22 |
| 222, 015 | Cloyd, George W., Raccoon Bend, Ky. Hoe | Nov. 25, 1879 | 1030 | 288 | 16 | 979 |
| | Cluett, Brother, & Co., George B. (*See* Hope, Robert A., assignor.) | | | | | |
| | Cluett, Edmund. (*See* Crannell, Jesse, assignor.) | | | | | |
| 211, 380 | Cluett, J. W. Alfred, Troy, N. Y. Collar | Jan. 14, 1879 | 363 | 105 | 15 | 47 |
| 221, 524 | Clunan, Albert, Brooklyn, N. Y. Belt-fastener | Nov. 11, 1879 | 457 | 124 | 16 | 883 |
| 215, 209 | Coakley, Benjamin, Washington, D. C. Machine for hoisting and trasferring heavy weights | May 13, 1879 | 279 | 81 | 15 | 740 |
| 213, 173 | Coates, Amos W., Alliance. Ohio. Water-elevator | Mar. 11, 1879 | 488 | 135 | 15 | 367 |
| 214, 104 | Cobb, Amasa, Beloit, Ohio. Dental forceps | Apr. 8, 1879 | 448 | 27 | 15 | 536 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 213, 392 | Cobb, George H., Palmer, Mass. Automatic cut-off for steam-engines | Mar. 18, 1879 | 727 | 204 | 15 | 407 |
| 212, 791 | Cobb, John J., Grand Rapids, Mich. Vehicle-spring | Mar. 4, 1879 | 12 | 4 | 15 | 208 |
| | Cobb, L. A. (*See* Hapgood, Andrew S., assignor.) | | | | | |
| 213, 494 | Cobb, Samuel C., assignor to Harris Manufacturing Company, Paynesville, Wis. Harvester | Mar. 25, 1879 | 835 | 236 | 15 | 429 |
| 217, 991 | Coburn, Arthur D., Greene, Me. Hydraulic engine | July 29, 1879 | 1214 | 348 | 16 | 197 |
| 220, 125 | Coburn, Augustus M., Watkins, N. Y. Sample-exhibitor | Sept. 30, 1879 | 1241 | 341 | 16 | 610 |
| 8, 808 | Coburn, John H., deceased, assignor, by mesne assignments, to G. Draper, Hopedale, and E. A. Thissell, Lowell, Mass. Shuttle for looms ....(Reissue) | July 15, 1879 | 848 | 241 | 16 | 133 |
| 8, 809 | Same.....same.....(Reissue) | July 15, 1879 | 850 | 242 | 16 | 133 |
| 213, 393 | Cochran, Alfred W., Harris, Ala. Looping attachment for sewing-machines | Mar. 18, 1879 | 728 | 204 | 15 | 407 |
| | Cochran, Charles W. (*See* Cullers, William H., assignor.) | | | | | |
| | Cochran, James. (*See* Baily, George D., assignor.) | | | | | |
| 217, 065 | Cochran, John, jr., Lebeck, Mo. Churn | July 1, 1879 | 155 | 45 | 16 | 22 |
| 8, 814 | Cochrane, Charles, Stourbridge, Worcester County, and E. A. Cowper, Westminster, Middlesex County, assignors to C. W. Siemens, Westminster, England. Regenerative hot-blast stove.....(Reissue) | July 22, 1879 | 1049 | 300 | 16 | 168 |
| 216, 081 | Cochrane, Charles E., Rutherford, N. J. Sample-box | June 3, 1879 | 81 | 23 | 15 | 895 |
| 216, 657 | Same.....File-holder | June 17, 1879 | 734 | 210 | 15 | 996 |
| | Cochrane, William F. (*See* Smith & Cochrane.) | | | | | |
| 214, 626 | Cochrane, William F., Jackson, Mich. Millstone-driver | Apr. 22, 1879 | 1071 | 301 | 15 | 634 |
| 212, 194 | Coddington, William C., Baltimore, Md. Thill-coupling | Feb. 11, 1879 | 435 | 120 | 15 | 184 |
| 219, 670 | Same.....Faucet | Sept. 2, 1879 | 15 | 5 | 16 | 414 |
| 216, 381 | Coe, Charles W., Fentonville, Mich. Drilling-machine | June 10, 1879 | 432 | 122 | 15 | 947 |
| 220, 058 | Coe, Edward, New Haven, Conn. Gas-torch | Sept. 30, 1879 | 1165 | 321 | 16 | 599 |
| 211, 320 | Coe, Henry L., Clifton, N. J., assignor to Manhattan Brass Company, New York, N. Y. Lantern | Jan. 14, 1879 | 297 | 88 | 15 | 39 |
| 215, 506 | Same.....Student-lamp | May 20, 1879 | 626 | 183 | 15 | 796 |
| 220, 219 | Coffers, August, Saint Paul, Minn. Running-gear for wagons | Oct. 7, 1879 | 8 | 2 | 16 | 636 |
| | Coffey, James G. (*See* Miller, Joseph, assignor.) | | | | | |
| 216, 310 | Coffin, David N. B., Newton Center, Mass. Ice-implement | June 10, 1879 | 343 | 100 | 15 | 935 |
| 221, 525 | Coffman, David F., Pattonville, Mo. Hog-scalder | Nov. 11, 1879 | 457 | 125 | 16 | 883 |
| 215, 436 | Coffman, William H., Newark, Ohio. Sled-runner | May 20, 1879 | 541 | 160 | 15 | 784 |
| 214, 627 | Coghill, Francis, Brooklyn, N. Y. Bell trundle-hoop | Apr. 22, 1879 | 1072 | 301 | 15 | 634 |
| 211, 378 | Cogswell, George W., Rochester, N. Y. Tool-post for lathes and planers | Jan. 14, 1879 | 360 | 104 | 15 | 46 |
| 222, 384 | Cogswell, John W., Erie, Mich. Pruning-implement | Dec. 9, 1879 | 305 | 89 | 16 | 1061 |
| 220, 911 | Cogswell, Lorenzo D., Rockford, Ill. Grinder | Oct. 28, 1879 | 823 | 220 | 16 | 769 |
| | Cohansey Glass Company. (*See* Bodine, J. Nixon, assignor.) | | | | | |
| | Cohee, John D. (*See* Thompson, Petty & Cohee.) | | | | | |
| 218, 712 | Cohen, David D., New York, N. Y. Bale-tie | Aug. 19, 1879 | 704 | 200 | 16 | 335 |
| 218, 713 | Same.....same | Aug. 19, 1879 | 705 | 201 | 16 | 335 |
| 222, 243 | Cohen, Julius J., Chicago, Ill. Advertising device | Dec. 2, 1879 | 147 | 38 | 16 | 1028 |
| 217, 512 | Cohn, Moritz, New York, N. Y. Corset | July 15, 1879 | 663 | 189 | 16 | 108 |
| 215, 722 | Cointepas, E. Mark, and J. M. Rouchel, New York, N. Y. Electric apparatus for lighting | May 27, 1879 | 870 | 255 | 15 | 837 |
| 215, 265 | Colahan, Charles, Cleveland, Ohio. Grain-binder | May 13, 1879 | 344 | 100 | 15 | 749 |
| 215, 266 | Same.....Grain-binder attachment | May 13, 1879 | 344 | 100 | 15 | 749 |
| 215, 322 | Same.....Harvester | May 13, 1879 | 414 | 123 | 15 | 738 |
| | Colborne, Oliver. (*See* Bering, Colborne & Richmond.) | | | | | |
| | Colburn, Charles H., *et al.* (*See* Spencer, Allen D., assignor) .....(Reissue.) | | | | | |
| 212, 357 | Colburn, Charles H., Milford, Mass. Cutting in boot-fronts | Feb. 18, 1879 | 621 | 175 | 15 | 211 |
| 215, 794 | Same.....Boot | May 27, 1879 | 947 | 278 | 15 | 847 |
| 216, 723 | Colburn, George S., assignor to Heywood Brothers & Co., Gardner, Mass. Cane-shaving machine | June 24, 1879 | 823 | 235 | 15 | 1018 |
| 216, 724 | Same .....Adjusting cutting-disks | June 24, 1879 | 825 | 235 | 15 | 1018 |
| 221, 720 | Colburn, George S., Gardner, Mass. Machine for scraping and stripping rattan | Nov. 18, 1879 | 673 | 188, 189 | 16 | 922 |
| | Colburn, Richard R. (*See* Hoadley, Robert, assignor.) | | | | | |
| 221, 155 | Colby, Caleb K., Brooklyn, and R. A. Johnson, New York, N. Y. Watch-case | Nov. 4, 1879 | 19 | 5 | 16 | 815 |
| 213, 739 | Colby, Ebenezer B., Lynn, Mass. Piston-packing | Apr. 1, 1879 | 10 | 3 | 15 | 474 |
| 222, 244 | Cole, Converse, and F. L. French, Meriden, N. H. Pruning-implement | Dec. 2, 1879 | 148 | 38 | 16 | 1029 |
| 214, 106 | Cole, George P., assignor of two-thirds interest to M. D. Murray, Johnstown, and J. P. Swartwout, Oppenheim, N. Y. Composition for coloring bricks, &c | Apr. 8, 1879 | 449 | ..... | 15 | 536 |
| 221, 782 | Cole, George P., assignor of part interest to J. C. Hutchinson, P. Keck, and J. Heagle, Johnstown, N. Y. Carpet-stretcher | Nov. 18, 1879 | 740 | 206 | 16 | 932 |
| 220, 962 | Cole, James, jr., Cleveland, Ohio. Apparatus for distilling petroleum | Oct. 28, 1879 | 891 | 238 | 16 | 778 |
| 214, 105 | Cole, Lewis, Milwaukee, Wis. Combined picture-frame and packing-box | Apr. 8, 1879 | 449 | 127 | 15 | 536 |
| 222, 245 | Cole, William R., and N. Eisenlord, Detroit, Mich.; said Cole assignor of one-half interest to said Eisenlord. Paper-folding machine | Dec. 2, 1879 | 149 | 38, 39 | 16 | 1029 |
| | Coleman, Barry. (*See* Meikle & Coleman.) | | | | | |
| 223, 113 | Coleman, Cornelius C., assignor to Branford Lock Works, Branford, Conn. Latch | Dec. 30, 1879 | 1175 | 331 | 16 | 1212 |
| 219, 912 | Coleman, Ezra, San Francisco, Cal. Amalgamating-pan | Sept. 23, 1879 | 982 | 273 | 16 | 567 |
| 219, 913 | Same.....Muller for amalgamating-pans | Sept. 23, 1879 | 983 | 273 | 16 | 567 |
| 222, 018 | Same .....Device for discharging amalgamating-pans | Nov. 25, 1879 | 1032 | 289 | 16 | 980 |
| 222, 019 | Same .....Amalgamating-pan | Nov. 25, 1879 | 1033 | 289 | 16 | 980 |
| 222, 670 | Same .....Rock crusher | Dec. 16, 1879 | 661 | 189 | 16 | 1119 |
| 219, 689 | Coleman, George S., Hutchins, Tex. Medical compound | Sept. 16, 1879 | 730 | ..... | 16 | 522 |
| 219, 445 | Coleman, Solomon, Memphis, Tenn. Jewelry-charm | Sept. 9, 1879 | 453 | 126 | 16 | 477 |
| 214, 492 | Coleman, Vincent A., Hope Township, Durham County, Ontario, Canada. Buckle | Apr. 22, 1879 | 914 | 258 | 15 | 614 |
| | Coleman, William L. (*See* Musgrove, Charles, assignor.) | | | | | |
| 214, 991 | Coler, William, assignor of one-half interest to J. Robb, Akron, Ohio. Pipe-coupling | May 6, 1879 | 11 | 4 | 15 | 704 |
| | Coles, David H. (*See* Coles, John L. and D. H.) | | | | | |
| 219, 222 | Coles, John L. and D. H., New York, N. Y. Apparatus for cooling mines | Sept. 2, 1879 | 187 | 56 | 16 | 436 |
| | Coll, Bernard. (*See* Miller & Coll.) | | | | | |
| 8, 904 | Coll, Hugh, Black Hawk Post-Office, Pa. Ejector .....(Reissue) | Sept. 23, 1879 | 1096 | 303 | 16 | 582 |
| | College Point Rubber Company (limited). (*See* Smith, John J. C., assignor.) | | | | | |
| | Same.....(*See* Smith, Michael, assignor.) | | | | | |
| | College Point Rubber Company. (*See* Stepp, Jacob, assignor.) | | | | | |
| | Collender, Hugh W. (*See* Fitzgerald, Anthony, assignor.) | | | | | |
| 214, 368 | Collender, Hugh W., New York, N. Y. Billiard-table | Apr. 15, 1879 | 769 | 215, 216 | 15 | 587 |
| 211, 495 | Coller, Lewis, Flint, Mich. Broadcast-sowing machine | Jan. 21, 1879 | 491 | 139 | 15 | 66 |
| 217, 775 | Collie, Alexander, assignor of one-sixth interest to A. Brichman, Modesto, Cal. Water-lifter | July 22, 1879 | 964 | 276, 277 | 16 | 157 |
| 213, 174 | Collier, Orrin, Sacramento, Cal. Water gage and alarm | Mar. 11, 1879 | 489 | 135 | 15 | 367 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 222, 246 | Collin, John B., Altoona, Pa. Apparatus for heating railway-cars | Dec. 2, 1879 | 151 | 39 | 16 | 1029 |
| 222, 247 | Same.....Device for supplying fresh air to cars | Dec. 2, 1879 | 154 | 39 | 16 | 1029 |
| 216, 831 | Collings, William, Afton, Iowa. Fruit-can | June 24, 1879 | 951 | 271 | 15 | 1033 |
| 222, 016 | Same.....Feed-steamer | Nov. 25, 1879 | 1030 | 289 | 16 | 979 |
| 222, 017 | Same.....Steam feed-cooker | Nov. 25, 1879 | 1031 | 289 | 16 | 980 |
| | Collins, Alphonso, *et al.* (*See* Ross, Andrew J., assignor.) | | | | | |
| 216, 658 | Collins, B. Frank, Edenburg, Pa., assignor of one-half interest to W. Orr. Device for increasing the production of oil-wells | June 17, 1879 | 735 | 210 | 15 | 996 |
| | Collins Company. (*See* Chapman, Luke, assignor.) | | | | | |
| 221, 909 | Collins, George, assignor of one-half interest to H. R. Shacklett, Dickson County, Tenn. Medical compound | Nov. 25, 1879 | 914 | ..... | 16 | 964 |
| 216, 832 | Collins, George J., Brooklyn, N. Y. Capsuled ink-powder | June 24, 1879 | 952 | ..... | 15 | 1033 |
| | Collins, Henry A. (*See* Russell & Bemis, assignors.) | | | | | |
| 212, 899 | Collins, Horace M., Stryker, Ohio. Wall-paper exhibitor | Mar. 4, 1879 | 148 | 41 | 15 | 315 |
| 214, 886 | Collins, James A., New Orleans, La. Inland transportation | Apr. 29, 1879 | 1371 | 381 | 15 | 680 |
| 8, 570 | Collins, John W., Washington, D. C., assignor of one-half interest to B. C. Bibb, Baltimore, Md. Hot-air register (Reissue) | Feb. 4, 1879 | 305 | 83 | 15 | 164 |
| 8, 974 | Collins, John W., Baltimore, Md. Combined calendar and clamp (Reissue) | Nov. 18, 1879 | 899 | 251 | 16 | 953 |
| 217, 066 | Collins, John W., Chicago, Ill. Manufacturing flour | July 1, 1879 | 156 | 46 | 16 | 22 |
| 222, 457 | Collins, Joshua J., South Bend, Ind. Current water-wheel | Dec. 9, 1879 | 386 | 110 | 16 | 1071 |
| 220, 750 | Collins, Stephen, Indianapolis, Ind. Churn | Oct. 21, 1879 | 628 | 168 | 16 | 735 |
| | Collins, Thomas E. (*See* Harker, Lewis A., assignor.) | | | | | |
| 214, 366 | Collins, Thomas E. L., Fall River, Mass. Adjustable cut-off | Apr. 15, 1879 | 767 | 214 | 15 | 587 |
| | Collins, William. (*See* Telfer & Collins.) | | | | | |
| 212, 441 | Collins, William M., West Branch, Iowa. Staple-machine | Feb. 18, 1879 | 724 | 200 | 15 | 225 |
| | Collyer, Charles W. (*See* Emerson, Buzzell & Collyer.) | | | | | |
| 211, 621 | Collyer, Charles W., and W. C., Lynn, Mass. Sole-molding machine | Jan. 28, 1879 | 652 | 183 | 15 | 90 |
| | Collyer, William C. (*See* Collyer, Charles W. and W. C.) | | | | | |
| | Coloney, Myron. (*See* McLean, James H., assignor.) | | | | | |
| 213, 976 | Coloney, Myron, Saint Louis, Mo. Spring-gun | Apr. 8, 1879 | 279 | 81 | 15 | 517 |
| 222, 669 | Coloney, Myron, assignor of seven-eighths interest to J. H. McLean, Saint Louis, Mo. Projectile-torpedo | Dec. 16, 1879 | 660 | 189 | 16 | 1119 |
| 215, 575 | Colony, Charles W., Sandy Creek, assignor of one-half interest to E. A. Kenyon, Adams, N. Y. Flange-plow and ice-cutter for railway-tracks | May 20, 1879 | 702 | 206 | 15 | 806 |
| 219, 802 | Colton, Frederick, Baltimore, Md. Refrigerator | Sept. 23, 1879 | 870 | 240 | 16 | 550 |
| 221, 283 | Colton, Joseph, New Orleans, La. Safety-pocket | Nov. 4, 1879 | 157 | 42 | 16 | 834 |
| | Colt's Patent Fire Arms Manufacturing Company. (*See* Mason, William, assignor.) | | | | | |
| 215, 323 | Colvin, Henry F., Providence, R. I., assignor to Rue Manufacturing Company, Philadelphia, Pa. Steam-valve | May 13, 1879 | 415 | 123 | 15 | 758 |
| 215, 324 | Same.....Steam water-elevator | May 13, 1879 | 417 | 124 | 15 | 758 |
| 214, 367 | Colvin, Micheal R., Worcester, Mass. Gas and water cock | Apr. 15, 1879 | 768 | 214, 215 | 15 | 587 |
| 8, 665 | Colwell, Myron W., Dunlap, Iowa, assignor to F. A. Hull, Danbury, Conn. Barbed-wire fence (Reissue) | Apr. 8, 1879 | 588 | 167 | 15 | 555 |
| 219, 622 | Colwell, William S., Pittsburg, Pa. Motor and apparatus for utilizing it | Sept. 16, 1879 | 649 | 180, 181 | 16 | 512 |
| 220, 220 | Same.....Same | Oct. 7, 1879 | 8 | 3 | 16 | 636 |
| | Combs, Mathew G. (*See* Summers & Combs.) | | | | | |
| 219, 388 | Comins, Charles S., Boston, Mass. Glue-pot | Sept. 9, 1879 | 391 | 109 | 16 | 469 |
| 218, 490 | Comins, Hamilton A., Oswego, Kans. Artificial stone | Aug. 12, 1879 | 447 | ..... | 16 | 291 |
| | Comly, David B. (*See* Updegraff & Comly.) | | | | | |
| | Compound Lumber Company. (*See* Cummings, Daniel M., assignor).....(Reissue.) | | | | | |
| 214, 240 | Compton, Morris M., Meadville, Pa. Medicated tobacco | Apr. 15, 1879 | 609 | ..... | 15 | 567 |
| 213, 626 | Comstock, Austin M., Emlenton, Pa. Device for drilling wells | Mar. 25, 1879 | 980 | 278 | 15 | 447 |
| 8, 720 | Comstock, Charles H., Ashkum, Ill. End-gate for wagons (Reissue) | May 20, 1879 | 850 | 249 | 15 | 826 |
| 211, 555 | Comstock, Harry, assignor of two-thirds interest to Glover & Cushman, New York, N. Y. Gun-swab | Jan. 21, 1879 | 560 | 158 | 15 | 74 |
| 221, 910 | Comstock, John D., Columbus Grove, Ohio. Ditching-machine | Nov. 25, 1879 | 914 | 256 | 16 | 964 |
| 214, 757 | Conant, William H., Mount Vernon, N. H., assignor to Bragg, Conant & Co., Boston, Mass. Work-box | Apr. 29, 1879 | 1225 | 344 | 15 | 661 |
| 215, 100 | Conarroe, Robert, assignor of one-half interest to C. A. Monk, Belleville, Ill. Wire-band cutter | May 6, 1879 | 130 | 39 | 15 | 719 |
| | Conden, Richard A. (*See* Crooks, James W., assignor.) | | | | | |
| | Conderman, Theodore H., trustee. (*See* Hamm, Edwin, assignor.) | | | | | |
| 214, 758 | Conditt, Fillmore, Newark, N. J. Door-fastener | Apr. 29, 1879 | 1226 | 344 | 15 | 661 |
| 216, 022 | Condon, John T., New Orleans, La. Device for releasing horses from stalls | June 3, 1879 | 20 | 5 | 15 | 887 |
| 219, 690 | Condon, Michael, Newark, N. J. Railway-frog | Sept. 16, 1879 | 730 | 202 | 16 | 522 |
| 212, 661 | Condon, Richard, La Salle, Ill. Cross-bar for doors | Feb. 25, 1879 | 992 | 275 | 15 | 269 |
| | Cone, Ezra G., *et al.* (*See* Bailey, Charles A., assignor.) | | | | | |
| 212, 541 | Cone, Henry D., Stockbridge, Mass. Shaft-hanger | Feb. 25, 1879 | 867 | 239 | 15 | 252 |
| 214, 992 | Congdon, Isaac H., and E. B. Wood, Omaha, Nebr. Variable exhaust-nozzle | May 6, 1879 | 11 | 5 | 15 | 704 |
| 8, 985 | Conger, Walter M., Newark, N. J., assignor to W. Westlake. Supporting-platform. (Reissue) | Dec. 2, 1879 | 257 | 70 | 16 | 1044 |
| | Conklin, Augustus H., *et al.* (*See* Bailey, Charles A., assignor.) | | | | | |
| 222, 383 | Conklin, Joseph I., jr., New York, N. Y. Electric railway-signal | Dec. 9, 1879 | 304 | 84 | 16 | 1060 |
| | Conklin, Philetus B. (*See* Redman & Conklin.) | | | | | |
| | Conkling, Cook. (*See* Young, Francis H., assignor.) | | | | | |
| 222, 815 | Conkling, Gurdon, Cleveland, Ohio. Machinery for separating granular materials | Dec. 23, 1879 | 822 | 235 | 16 | 1153 |
| 214, 887 | Conly, Joseph, and J. B. Wise, Sharon, Wis. Refrigerator-building | Apr. 29, 1879 | 1372 | 382 | 15 | 680 |
| 222, 248 | Conn, Charles G., and E. Dupont, Elkhart, Ind. Cornet | Dec. 2, 1879 | 155 | 40 | 16 | 1029 |
| 214, 552 | Connable, John L., Xenia, Ohio. Syringe | Apr. 22, 1879 | 993 | 279, 280 | 15 | 623 |
| 216, 153 | Connell, Daniel F., Brooklyn, and E. Fagan, New York, N. Y. Hard-rubber compound | June 3, 1879 | 151 | 45 | 15 | 904 |
| 215, 723 | Connelly, John S., New Castle, Pa. Jet-exhauster for gas-works | May 27, 1879 | 871 | 255 | 15 | 837 |
| 218, 933 | Same.....Compound for the purification of gas | Aug. 26, 1879 | 983 | ..... | 16 | 383 |
| 211, 836 | Connelly, Joseph H., assignor of one-half interest to W. Frew, Pittsburg, Pa. Gas-engine | Feb. 4, 1879 | 8 | 3 | 15 | 127 |
| 218, 491 | Connelly, Joseph H. and T. E., assignors to Consolidated Fire Extinguisher Company, Pittsburg, Pa. Apparatus for extinguishing fires on shipboard, &c | Aug. 12, 1879 | 447 | 125 | 16 | 291 |
| | Connelly, Thomas E. (*See* Connelly, Joseph H. and T. E.) | | | | | |
| 213, 095 | Connelly, William E., Wedowee, Ala. Hill-side plow | Mar. 11, 1879 | 397 | 110 | 15 | 356 |
| 213, 740 | Conner, Andrew J., assignor of two-thirds interest to D. R. Musselman and J. B. Haws, Louisville, Ky. Wooden roof | Apr. 1, 1879 | 11 | 4 | 15 | 474 |
| 216, 941 | Conner, Francis M., Winterset, Iowa. Harvester-cutter | July 1, 1879 | 15 | 4 | 16 | 4 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216,152 | Conner, William, and A. O. Denio, Wilmington, Del. Brake-shoe for cars | June 3, 1879 | 150 | 44 | 15 | 904 |
| 213,175 | Connett, Matthew F., Devall's Bluff, Ark. Burr for grinding-mills | Mar. 11, 1879 | 490 | 136 | 15 | 367 |
| 221,284 | Connolly, Charles H., Henrietta, Tex. Honey-box for bee-hives | Nov. 4, 1879 | 158 | 43 | 16 | 834 |
| 220,344 | Connolly, Edward, Hoboken, N. J. Apparatus for forming the necks, shoulders, and lips of vials and other bottles | Oct. 7, 1879 | 148 | 40 | 16 | 655 |
| 217,860 | Connolly, James, assignor to Missouri Car and Foundry Company, Saint Louis, Mo. Car-wheel cope | July 29, 1879 | 1074 | 308 | 16 | 178 |
| 222,458 | Connolly, M. Daniel, Philadelphia, Pa., T. A. Connolly, Washington, D. C., and T. J. McTighe, Pittsburg, Pa. Automatic telephone-exchange | Dec. 9, 1879 | 388 | 111, 112 | 16 | 1071 |
| 215,883 | Connolly, Patrick, Brooklyn, N. Y. Operating stop-cocks | May 27, 1879 | 1050 | 306 | 15 | 859 |
| 221,526 | Same.....Service-pipe box | Nov. 11, 1879 | 458 | 125 | 16 | 883 |
| | Connolly, Robert J., *et al.* (*See* Bouchard, Adolphe, assignor.) | | | | | |
| | Connolly, Thomas A. (*See* Connolly & McTighe.) | | | | | |
| | Connoran, James. (*See* Connoran, Nannie and J.) | | | | | |
| 212,900 | Connoran, Nannie and J., Hillsdale, Iowa. Clothes-pounder | Mar. 4, 1879 | 149 | 42 | 15 | 315 |
| 222,672 | Conover, George, Middletown, Conn. Scissors and shears | Dec. 16, 1879 | 663 | 190 | 16 | 1119 |
| 222,673 | Same.....Attachment for domestic boilers | Dec. 16, 1879 | 663 | 190 | 16 | 1119 |
| 215,099 | Conover, Jacob A., New York, N. Y. Window-ventilator | May 6, 1879 | 129 | 38 | 15 | 719 |
| 222,671 | Conrad, Samuel A., Terre Haute, Ind. Stone jug | Dec. 16, 1879 | 662 | 190 | 16 | 1119 |
| 212,901 | Conrath, Joseph P., and P. Knipper, Erie, Pa. Grain-car door | Mar. 4, 1879 | 150 | 42 | 15 | 315 |
| | Consolidated Fire Extinguisher Company. (*See* Connelly, Joseph H. and T. E., assignors.) | | | | | |
| 222,574 | Constant, Boston S., Peru, Ind. Adjustable gage for saw-tables | Dec. 16, 1879 | 541 | 154 | 16 | 1102 |
| 214,024 | Converse, Blinn, Saint James, Minn. Blowing device for smoke-stacks | Apr. 8, 1879 | 336 | 96 | 15 | 524 |
| 213,279 | Converse, Charles C., Erie, Pa. Sleeping-car | Mar. 18, 1879 | 610 | 172 | 15 | 391 |
| 215,724 | Conway, George O. S., Stonefield, Quebec, assignor of one-half interest to H. R. Ives, Montreal, Canada. Mowing and reaping machine | May 27, 1879 | 872 | 255 | 15 | 837 |
| 213,627 | Coogan, Patrick V., New York, N. Y. Lantern | Mar. 25, 1879 | 981 | 278 | 15 | 448 |
| 220,126 | Cook, Aldrich, Leominster, Mass. Braid-pin | Sept. 30, 1879 | 1242 | 341 | 16 | 610 |
| 221,446 | Cook, Alfred S., assignor of one-half interest to M. Greaney, Chicago, Ill. Filter | Nov. 11, 1879 | 357 | 98 | 16 | 870 |
| | Cook, Charles C., *et al.* (*See* Sands, Charles J., assignor.) | | | | | |
| 221,721 | Cook, Charles C., assignor to S. Harris & Sons Manufacturing Company, Clinton, Mass. Braid-pin | Nov. 18, 1879 | 677 | 189 | 16 | 923 |
| 218,492 | Cook, Cyrus B., Cynthiana, Ky. Combined governor and self-adjusting cut-off | Aug. 12, 1879 | 449 | 125 | 16 | 291 |
| | Cook, Edward L. (*See* Voelker, George W., assignor.) | | | | | |
| 215,437 | Cook, Egbert C., Chicago, Ill. Awning | May 20, 1879 | 542 | 160 | 15 | 784 |
| 222,575 | Cook, Francis C., Springfield, Mass., assignor of one-half interest to H. M. Pollard, Providence, R. I. Apparatus for destroying insects by fumigation | Dec. 16, 1879 | 542 | 154 | 16 | 1102 |
| 219,914 | Cook, Frederick, New Haven, Conn. Carpet-sweeper | Sept. 23, 1879 | 984 | 273 | 16 | 567 |
| 215,576 | Cook, George J., Louisville, Ky. Bucket for butter and eggs | May 20, 1879 | 703 | 206 | 15 | 806 |
| 219,071 | Same.....Chicken coop and crate | Sept. 2, 1879 | 16 | 5, 6 | 16 | 414 |
| 214,025 | Cook, Henry E., and J. B. Thayer, River Falls, Wis. Magnetic grain-separator | Apr. 8, 1879 | 336 | 96 | 15 | 525 |
| 216,258 | Same..... Magnetic separator | June 10, 1879 | 278 | 82 | 15 | 927 |
| 218,116 | Cook, Isaac, assignor to C. Bates and L. J. McCracken, Saint Louis, Mo. Gas-regulator | Aug. 5, 1879 | 11 | 4 | 16 | 222 |
| 216,833 | Cook, Joseph A., Auburn, N. Y. Steam piston-meter | June 24, 1879 | 953 | 271 | 15 | 1034 |
| 216,834 | Same.....Steam-valve | June 24, 1879 | 954 | 271 | 15 | 1034 |
| 220,806 | Cook, Joseph C., Bridgeport, Conn. Abdominal corset | Oct. 21, 1879 | 701 | 185 | 16 | 744 |
| 220,899 | Cook, Joseph T., Moline, and J. S. Leas, Rock Island, Ill. Car-coupling | Oct. 21, 1879 | 796 | 213 | 16 | 757 |
| 217,729 | Cook, Peter, Mattapan, Mass. Paper-box machine | July 22, 1879 | 923 | 264, 265 | 16 | 152 |
| 215,567 | Cook, Roswell F., Ilion, N. Y., and J. Rider, Newark, Ohio, assignors of one-half interest to E. Remington & Sons, Ilion, N. Y. Revolving fire-arm | May 20, 1879 | 627 | 183 | 15 | 796 |
| | Cook, Ruth A. (*See* Peirce, William H., assignor).....(Reissue.) | | | | | |
| 217,680 | Cook, Thomas R., Mooresville, Ind. Automatic gate | July 22, 1879 | 870 | 248 | 16 | 144 |
| | Cook, T. N. (*See* Hancock, Adam, assignor.) | | | | | |
| 211,704 | Cook, Valentin, New York, N. Y. Beer-cooler | Jan. 28, 1879 | 746 | 209 | 15 | 102 |
| 219,446 | Cook, William F., Ivy Mills, Pa. Electric telephone | Sept. 9, 1879 | 453 | 126 | 16 | 477 |
| 217,269 | Cooke, Daniel S., Providence, R. I. Button | July 8, 1879 | 388 | 115 | 16 | 61 |
| 216,835 | Cooke, George K., London, England. Hand-stamp | June 24, 1879 | 955 | 272 | 15 | 1034 |
| 218,234 | Cooke, John, Langley Old Hall, Durham County, England. Pumping-engine | Aug. 5, 1879 | 143 | 40 | 16 | 240 |
| | Cooke, Richard. (*See* Garlock & Cooke.) | | | | | |
| 216,154 | Cooke, William H., Milton, Conn. Hatchway-door | June 3, 1879 | 152 | 45 | 15 | 904 |
| 214,889 | Cookson, John C., and S. L. Hart, Menasha, Wis., assignors to said Cookson. Millstone-dressing machine | Apr. 29, 1879 | 1374 | 382 | 15 | 680 |
| 223,031 | Coolbaugh, Frank W., Hoboken, N. J. Car-seat attachment | Dec. 30, 1879 | 1072 | 306 | 16 | 1199 |
| | Cooledge, Timothy A., *et al.* (*See* Shepherd & Whitcomb, assignors.) | | | | | |
| 221,156 | Cooley, Charles H., Grind Stone City, Mich. Harness | Nov. 4, 1879 | 20 | 5 | 16 | 815 |
| 220,345 | Cooley, John A., Savanna, Ill. Tire-tightener | Oct. 7, 1879 | 150 | 40 | 16 | 655 |
| 220,346 | Cooley, Lester W., Binghamton, N. Y. Heater for dwellings | Oct. 7, 1879 | 151 | 41 | 16 | 655 |
| | Coolidge, Austin J. (*See* Manley, Horace A., assignor.) | | | | | |
| 214,108 | Coom, C. Sleeman, Milford, Conn. Hat stretching and blocking machine | Apr. 8, 1879 | 451 | 128 | 15 | 536 |
| 218,934 | Coombs, George, and C. S. Blakeslee, Chariton, Iowa. Car-coupling | Aug. 26, 1879 | 984 | 276 | 16 | 383 |
| 221,783 | Coombs, John H., Boston, Mass. Water-meter | Nov. 18, 1879 | 741 | 207 | 16 | 932 |
| 219,072 | Coombs, Nelson, Titusville, Pa. Water-tube steam-generator | Sept. 2, 1879 | 17 | 6 | 16 | 415 |
| 222,020 | Coon, Matthew F., Boston, Mass. Shoe-horn | Nov. 25, 1879 | 1034 | 290 | 16 | 980 |
| | Coonley, John C. (*See* Search, Casper F., assignor.) | | | | | |
| | Cooper, Albert. (*See* Hickok & Cooper).....(Reissue.) | | | | | |
| 220,221 | Cooper, Almond F., Cambridge, Mass., assignor to Cooper Elastic Steel Wheel Company, Hartford, Conn. Car-wheel | Oct. 7, 1879 | 12 | 3 | 16 | 636 |
| | Cooper, Charles. (*See* Tiffany, Eli, assignor.) | | | | | |
| 218,714 | Cooper, Charles G., Mount Vernon, Ohio. Traction-engine | Aug. 19, 1879 | 706 | 201 | 16 | 335 |
| 222,385 | Cooper, Charles J., Chicago, Ill. Leather-creasing machine | Dec. 9, 1879 | 305 | 85 | 16 | 1061 |
| 219,915 | Cooper, Charles P., New York, N. Y. Egg-holder | Sept. 23, 1879 | 985 | 273 | 16 | 567 |
| 215,795 | Cooper, Dana H., Mount Carmel, Conn. Pitman-connection and crank-pin | May 27, 1879 | 948 | 278 | 15 | 847 |
| | Cooper, Edward, *et al.* (*See* Snelus, George J., assignor.) | | | | | |
| 214,280 | Cooper, Edward A., Lancaster, N. Y. Trace-carrier | Apr. 15, 1879 | 660 | 184 | 15 | 573 |
| | Cooper Elastic Steel Wheel Company. (*See* Cooper, Almond F., assignor.) | | | | | |
| 214,107 | Cooper, Emmett, Theresa, N. Y. Cheese-press | Apr. 8, 1879 | 450 | 127 | 15 | 536 |
| 211,972 | Cooper, Francis, Philadelphia, Pa., assignor to self and C. A. Denniston, Jersey City, N. J. Freight-car-door locking device | Feb. 4, 1879 | 171 | 49 | 15 | 148 |
| | Cooper, Francis L. (*See* Schurch & Cooper.) | | | | | |
| 217,776 | Cooper, George, Augusta, Ga. Cotton-press | July 22, 1879 | 965 | 277 | 16 | 158 |
| 219,223 | Same.....Cotton and hay press | Sept. 2, 1879 | 188 | 56 | 16 | 436 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 222,773 | Cooper, George, New Bedford, Mass. Machine for manufacturing needles | Dec. 23, 1879 | 771 | 222, 223 | 16 | 1146 |
| 215,326 | Cooper, Ignatious, Opequon, Va. Shoemaker's work-bench | May 13, 1879 | 419 | 124 | 15 | 759 |
| 212,358 | Cooper, John, Mount Vernon, Ohio. Traction-engine | Feb. 18, 1879 | 623 | 175 | 15 | 212 |
| 213,628 | Cooper, John, New York, N. Y. Cow-milker | Mar. 25, 1879 | 981 | 278 | 15 | 448 |
| 213,874 | Cooper, John H., assignor to R. E., J. V., and H. O. Hastings, Philadelphia, Pa. Gold-beating machine | Apr. 1, 1879 | 158 | 46 | 15 | 493 |
| 221,285 | Cooper, John T., and J. Wagner, Silver Reef, Utah. Tap for tin cans, &c | Nov. 4, 1879 | 159 | 43 | 16 | 834 |
| | Cooper, Peter. (*See* Rogers, Thomas B., jr., assignor) (Reissue.) | | | | | |
| 218,935 | Cooper, Peter, New York, N. Y. Propulsion of railway-cars | Aug. 26, 1879 | 984 | 276 | 16 | 383 |
| 214,888 | Cooper, Sherman, and H. Hosford, Westfield, N. J. Testicle-supporter | Apr. 29, 1879 | 1373 | 382 | 15 | 680 |
| 218,936 | Cooper, William S., Philadelphia, Pa. Faucet | Aug. 26, 1879 | 985 | 276 | 16 | 384 |
| 222,870 | Same.....Faucet and cock | Dec. 23, 1879 | 887 | 255 | 26 | 1162 |
| 218,666 | Cope, Ezra, Hamilton, and J. R. Maxwell, Cincinnati, Ohio. Steam-engine | Aug. 19, 1879 | 658 | 186 | 16 | 329 |
| | Cope, Thomas. (*See* Burnap & Cope.) | | | | | |
| 222,459 | Copeland, Charles W., New York, N. Y. Valve-gear for steam-engines | Dec. 9, 1879 | 393 | 112 | 16 | 1072 |
| 214,553 | Copeland, David W., Theresa, N. Y. Thill-coupling | Apr. 22, 1879 | 994 | 280 | 15 | 623 |
| | Copeland, George W. (*See* Brock, Woodward & Copeland.) | | | | | |
| | Same.....(*See* Crisp, Joseph E., assignor.) | | | | | |
| | Copeland, George W. (*See* Ethridge, Martin V. B., assignor.) | | | | | |
| 211,294 | Copeland, George W., and F. F. Raymond, 2d, Newton, Mass. Lasting-machine for boots and shoes | Jan. 14, 1879 | 253 | 74, 75 | 15 | 33 |
| 211,459 | Copeland, George W., Malden, Mass. Lasting boots and shoes | Jan. 21, 1879 | 454 | 128, 129 | 15 | 61 |
| 212,131 | Copeland, George W., Malden, and J. E. Crisp, Boston, Mass., assignors to Copeland Lasting Machine Company, Hartford, Conn. Die for cutting the uppers of boots and shoes | Feb. 11, 1879 | 362 | 99 | 15 | 174 |
| 215,438 | Copeland, George W., Malden, and M. Brock, Boston, Mass., assignors to Copeland Lasting Machine Company, Hartford, Conn. Magnetic tacking-machine | May 20, 1879 | 543 | 160 | 15 | 784 |
| 215,796 | Copeland, George W., Malden, and E. Woodward, Boston, Mass., assignors to Copeland Lasting Machine Company, Hartford, Conn. Lasting-machine | May 27, 1879 | 949 | 278 | 15 | 847 |
| 218,665 | Copeland, George W., Malden, Mass. Leather-fastening strip | Aug. 19, 1879 | 656 | 185 | 16 | 329 |
| 219,224 | Copeland, George W., Malden, Mass., assignor to Copeland Lasting Machine Company, Hartford, Conn. Lasting the uppers of boots and shoes | Sept. 2, 1879 | 189 | 56 | 16 | 436 |
| 221,890 | Copeland, George W., Malden, E. Woodward and M. Brock, Boston, Mass., assignors to Copeland Lasting Machine Company, Hartford, Conn. Boot and shoe lasting machine | Nov. 18, 1879 | 871 | 244 | 16 | 949 |
| 221,668 | Same.....Machine for lasting the uppers of boots and shoes | Nov. 18, 1879 | 613 | 172 | 16 | 914 |
| 217,447 | Copeland, Ira, Brockton, Mass. Wringing-machine clamp | July 15, 1879 | 595 | 170 | 16 | 100 |
| | Copeland Lasting Machine Company. (*See* Copeland, George W., assignor.) | | | | | |
| | Same.....(*See* Brock, Woodward & Copeland, assignors.) | | | | | |
| | Same.....(*See* Copeland & Brock, assignors.) | | | | | |
| | Same.....(*See* Copeland & Crisp, assignors.) | | | | | |
| | Same.....(*See* Copeland & Woodward, assignors.) | | | | | |
| | Same.....(*See* Copeland, Woodward & Brock, assignors.) | | | | | |
| | Same.....(*See* Crisp, Joseph E., assignor.) | | | | | |
| | Same.....(*See* Shailer & Ethridge, assignors.) | | | | | |
| | Same.....(*See* Woodward & Brock, assignors.) | | | | | |
| 216,604 | Coplin, Lafayette, Hebron, Ind. Clothes-pounder | June 17, 1879 | 684 | 195 | 15 | 989 |
| 221,286 | Copp, John L., Rochester, N. H. Buffing-machine for boots and shoes | Nov. 4, 1879 | 160 | 43 | 76 | 835 |
| 222,576 | Coppage, William, Vigo County, Ind. Plow | Dec. 16, 1879 | 542 | 154 | 16 | 1102 |
| | Coppock, John F. (*See* Carter & Coppock.) | | | | | |
| 220,347 | Corban, Jeremiah S., Plainville, Conn. Spring-vehicle | Oct. 7, 1879 | 152 | 41 | 16 | 655 |
| 216,259 | Corbett, George, Petrolia, Pa. Oil-well rig | June 10, 1879 | 279 | 83 | 15 | 927 |
| 212,359 | Corbett, Joseph, New York, and F. J. Miller, Brooklyn, N. Y., assignors to said Miller. Dial-screen for permutation-locks | Feb. 18, 1879 | 624 | 175 | 15 | 212 |
| | Corbin, F., *et al.* (*See* Sparks, William E., assignor) (Reissue.) | | | | | |
| 8,765 | Corbin, Jay S., Gouverneur, N. Y. Wheel-harrow (Reissue) | June 24, 1879 | 1060 | 301 | 15 | 1047 |
| 221,033 | Corbin, Judson S., Clinton, Iowa. Gate | Oct. 28, 1879 | 976 | 259 | 16 | 789 |
| 217,777 | Corbin, Lyman J., Winnebago, Ill. Corn-planter | July 22, 1879 | 966 | 277 | 16 | 158 |
| | Corbin, P., *et al.* (*See* Sparks, William E., assignor) (Reissue.) | | | | | |
| 212,442 | Cord, John T., assignor of one-half interest to J. S. Frederick and T. Roberts, Baltimore, Md. Street-motor | Feb. 18, 1879 | 725 | 200 | 15 | 225 |
| | Corduan, Frank H., *et al.* (*See* Corduan, Joseph, assignor.) | | | | | |
| 211,705 | Corduan, Joseph, assignor to self, F. H. Corduan, and J. G. and G. H. Fuller, Brooklyn, N. Y. Water-mattress for ships | Jan. 28, 1879 | 746 | 209 | 15 | 102 |
| 220,807 | Core, John W., Camden, N. J. Curtain-fixture | Oct. 21, 1879 | 702 | 185 | 16 | 744 |
| 218,164 | Corey, George W., Cheyenne, Wyo. Catarrh apparatus | Aug. 5, 1879 | 67 | 18 | 16 | 230 |
| 216,942 | Corey, Jasper W., Chicago, Ill. Sewing-machine | July 1, 1879 | 15 | 5 | 16 | 4 |
| 212,195 | Corey, Moses G., Greensborough, Pa. Aging liquors | Feb. 11, 1879 | 437 | 129 | 15 | 184 |
| 218,715 | Coriell, Lewis C., Marshall, Mich. Windmill | Aug. 19, 1879 | 708 | 201 | 16 | 336 |
| 215,577 | Corker, David I., Amity, Oreg. Harrow | May 20, 1879 | 704 | 206 | 15 | 806 |
| 222,460 | Corliss, Charles P., Elgin, Ill., assignor to Elgin National Watch Company. Dial attachment for stem-winding watches | Dec. 9, 1879 | 395 | 113 | 16 | 1072 |
| 215,797 | Corliss, George H., Providence, R. I. Valve-gear for steam-engines | May 27, 1879 | 951 | 279 | 15 | 847 |
| 215,798 | Same.....Tubular steam-boiler | May 27, 1879 | 952 | 279 | 15 | 847 |
| 215,799 | Same.....Compound steam-engine | May 27, 1879 | 953 | 279 | 15 | 847 |
| 215,800 | Same.....Pump-valve | May 27, 1879 | 956 | 280 | 15 | 847 |
| 215,801 | Same.....Pump-plunger | May 27, 1879 | 957 | 280 | 15 | 848 |
| 215,802 | Same.....Steam pumping-engine | May 27, 1879 | 958 | 280 | 15 | 848 |
| 215,803 | Same.....Pumping-engine | May 27, 1879 | 959 | 281 | 15 | 848 |
| 215,804 | Same.....same | May 27, 1879 | 960 | 281 | 15 | 848 |
| 215,805 | Same.....Fly-wheel | May 27, 1879 | 961 | 282 | 15 | 848 |
| 215,806 | Same.....Exhaust-valve for steam-engines | May 27, 1879 | 962 | 282 | 15 | 848 |
| 215,807 | Same.....Cylinder of steam-engines | May 27, 1879 | 963 | 282 | 15 | 849 |
| 215,808 | Same.....Beam for steam-engines | May 27, 1879 | 964 | 282 | 15 | 849 |
| 215,884 | Same.....Valve-gear for steam-engines | May 27, 1879 | 1051 | 306 | 15 | 859 |
| | Corliss & Son, J. M. (*See* Buss, John H., assignor.) | | | | | |
| 219,916 | Cormack, George H., assignor to A. M. Johnston & Co., Rockford, Ill. Oatmeal-machine | Sept. 23, 1879 | 985 | 274 | 16 | 567 |
| 219,918 | Same.....Drying-kiln | Sept. 23, 1879 | 990 | 275 | 16 | 567 |
| 220,059 | Same.....Oatmeal-machine | Sept. 30, 1879 | 1166 | 321 | 16 | 599 |
| 220,275 | Same.....same | Oct. 7, 1879 | 71 | 19, 20 | 16 | 644 |
| 220,578 | Same.....same | Oct. 14, 1879 | 432 | 111, 112 | 16 | 700 |
| 211,460 | Corn, Robert A., Hale Wood, N. C. Yoke for carrying tobacco | Jan. 21, 1879 | 456 | 129 | 15 | 61 |
| | Cornelius & Co. (*See* Graff, John, assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 213, 546 | Cornelius, Wilber F., Muncie, Ind, assignor of one-half interest to T. A. Neely. Roller-skate | Mar. 25, 1879 | 894 | 255 | 15 | 437 |
| | Cornell, George B. (*See* Lacey & Cornell) (Reissue.) | | | | | |
| 213, 495 | Cornell, George B., Chicago, Ill. Shield for spigot-holes | Mar. 25, 1879 | 836 | 236 | 15 | 430 |
| 217, 343 | Cornell, John B. and J. M., New York, N. Y. Telegraph-pole | July 8, 1879 | 468 | 136, 137 | 16 | 72 |
| 221, 447 | Cornell, John B., New York, N. Y. Rivet | Nov. 11, 1879 | 358 | 98 | 16 | 870 |
| | Cornell, John M. (*See* Cornell, John B. and J. M.) | | | | | |
| | Cornell, Oliver H. P. (*See* Craven, Thomas C., assignor.) | | | | | |
| 211, 134 | Cornell, William N., Pulaski, N. Y. Method and apparatus for making wood paper-stock | Jan. 7, 1879 | 63 | 20 | 15 | 8 |
| 220, 808 | Cornell, William N., and C. Tollner, Pulaski, N. Y. Reducing wood to paper-stock | Oct. 21, 1879 | 703 | 186 | 16 | 744 |
| 219, 225 | Cornely, Emile, Paris, France. Sewing and embroidering machine | Sept. 2, 1879 | 191 | 56, 57 | 16 | 436 |
| 213, 394 | Cornwall, George, New York, N. Y. Sewer pipe and trap | Mar. 18, 1879 | 729 | 204 | 15 | 407 |
| | Cortelyon, Horace L. (*See* Barker, Robert F., assignor.) | | | | | |
| 218, 117 | Corwin, Eugene P., Washington, Ill. Bed-bottom | Aug. 5, 1879 | 12 | 4 | 16 | 222 |
| 211, 496 | Cory, Isaac S., Dalton, Ind. Fence-gate | Jan. 21, 1879 | 491 | 139 | 15 | 66 |
| 218, 937 | Cosgrove, William F., Jersey City Heights, assignor to self and E. F. Jennings, Jersey City, N. J. Smoke-stack | Aug. 26, 1879 | 986 | 277 | 16 | 384 |
| 211, 706 | Cosslett, Richard, jr., Bristol, England. Sectional boiler | Jan. 28, 1879 | 747 | 209 | 15 | 103 |
| 216, 659 | Costa, Philipp, New York, N. Y. Picture-exhibitor | June 17, 1879 | 737 | 211 | 15 | 996 |
| 220, 127 | Cotaya, John P., New Orleans, La. Electrical device for opening shutters | Sept. 30, 1879 | 1243 | 341 | 16 | 610 |
| 212, 132 | Coté, Louis, St. Hyacinthe, Quebec, Canada. Machinery for molding boot and shoe stiffeners | Feb. 11, 1879 | 363 | 99 | 15 | 174 |
| 214, 890 | Cott, Charles M., Columbus, Ohio. Writing-tablet blotter | Apr. 29, 1879 | 1377 | 383 | 15 | 680 |
| 214, 241 | Cotter, Richard, assignor of one-half interest to S. T. Curtis, Virginia City, Nev. Mining-machinery | Apr. 15, 1879 | 610 | 173 | 15 | 567 |
| 223, 114 | Cotter, Richard, Virginia City, Nev. Machine for tarring wire ropes | Dec. 30, 1879 | 1176 | 331 | 16 | 1212 |
| | Cotting, Amos, *et al.* (*See* Nye, Charles H., assignor.) | | | | | |
| 213, 629 | Cottingham, John C., assignor to self and F. Shubert, Philadelphia, Pa. Steering-gear for vessels | Mar. 25, 1879 | 982 | 279 | 15 | 448 |
| | Cottle, Francis M. (*See* Cottle, Zorah and F. M.) | | | | | |
| 213, 547 | Cottle, Freeman N., assignor of three-fourths interest to L. Parker, Newton, Mass.; said Cottle and Parker assignors to A. J. Bailey, trustee, Boston, Mass. Combined alarm and door-knob | Mar. 25, 1879 | 895 | 255 | 15 | 437 |
| 220, 751 | Cottle, Zorah and F. M., Oakdale, Cal. Windmill | Oct. 21, 1879 | 629 | 168 | 16 | 735 |
| 218, 235 | Cottom, James B., Dayton, Ohio. Automatic gate | Aug. 5, 1879 | 146 | 40 | 16 | 240 |
| 212, 196 | Cottrell, Calvert B., Westerly, R. I. Printing-press | Feb. 11, 1879 | 438 | 120 | 15 | 184 |
| 217, 270 | Cottrell, Jesse D., Central Falls, R. I. Loom | July 8, 1879 | 388 | 115 | 16 | 61 |
| 219, 389 | Same.....Let-off mechanism for looms | Sept. 9, 1879 | 392 | 109 | 16 | 470 |
| 220, 579 | Cottrell, Jesse D., Pawtucket, R. I. Loom | Oct. 14, 1879 | 433 | 112 | 16 | 701 |
| | Cottrell, Leonard. (*See* Neder, Philip, assignor.) | | | | | |
| | Cottrell, Thomas F. (*See* Fox & Cottrell.) | | | | | |
| 216, 382 | Couch, Albert B., Newnan, Ga. Water-wheel | June 10, 1879 | 432 | 123 | 15 | 947 |
| 216, 311 | Couch, Edwin A., Plainfield, N. J. Manufacture of flower-pots | June 10, 1879 | 343 | 100 | 15 | 935 |
| 218, 716 | Coughtry, John D., New York, N. Y. Portable folding boat | Aug. 19, 1879 | 709 | 202 | 16 | 336 |
| 212, 300 | Coulon, Georges L. C., Paris, France. Weighing-scales | Feb. 18, 1879 | 555 | 155, 156 | 15 | 203 |
| 222, 577 | Coulter, William B., Bristol, Conn. Trunk-fastener | Dec. 16, 1879 | 543 | 154 | 16 | 1102 |
| 218, 236 | Coulthard, Thomas, Preston, Lancaster County, Great Britain. Spinning-ring holder and clearer | Aug. 5, 1879 | 148 | 40 | 16 | 240 |
| 212, 662 | Council, John B., Bristol, N. C. Treadle | Feb. 25, 1879 | 993 | 276 | 15 | 269 |
| 213, 323 | Coupe, William, Attleborough, Mass. Hide-stretching machine | Mar. 18, 1879 | 656 | 185 | 15 | 398 |
| 217, 448 | Courtenay, William, New York, N. Y. Treating vegetable fibrous substances, &c. | July 15, 1879 | 596 | ..... | 16 | 100 |
| 220, 990 | Courtney, Robert A., and L. J. Foster, Kenton, Tenn. Stump-extractor | Oct. 21, 1879 | 797 | 213 | 16 | 757 |
| 8, 709 | Cousins, George, Oswego, N. Y. Parallel ruler (Reissue) | May 13, 1879 | 518 | 153 | 15 | 772 |
| | Coutie, James. (*See* Coutie, William and J.) | | | | | |
| 215 325 | Coutie, William and J., Troy, N. Y. Ironing-machine | May 13, 1879 | 418 | 124 | 15 | 759 |
| 215, 508 | Covel, James H., New York, assignor to self and G. L. Kelty, Brooklyn, N. Y. Car-axle box | May 20, 1879 | 628 | 183 | 15 | 796 |
| 215, 267 | Covel, Milo, Chicago, Ill. Saw-sharpening machine | May 13, 1879 | 345 | 101 | 15 | 749 |
| 222, 386 | Covel, William L., Beloit, Wis. Machine for sharpening saws | Dec. 9, 1879 | 306 | 85, 86 | 16 | 1061 |
| 217, 861 | Covell, William W., assignor to F. I. Marcy, Providence, R. I. Manufacture of wire fastenings for jewelry | July 29, 1879 | 1075 | 309 | 16 | 178 |
| 219, 447 | Same.....Button | Sept. 9, 1879 | 455 | 127 | 16 | 478 |
| 215, 210 | Coventry, William, Newark, N. J. Casting hard metal on soft cast metal | May 13, 1879 | 280 | 82 | 15 | 740 |
| 215, 327 | Covert, Enoch, Farmer Village, N. Y. Rosette for bridles | May 13, 1879 | 420 | 125 | 15 | 759 |
| 216, 155 | Same.....Hame-fastener | June 3, 1879 | 154 | 45 | 15 | 904 |
| 220, 128 | Covert, Lewis B., New York, N. Y. Step-ladder | Sept. 30, 1879 | 1244 | 342 | 16 | 610 |
| 212, 360 | Covert, Philetus R., and P. A. Snyder, Jersey City, N. J. Radiator for steam-heaters | Feb. 18, 1879 | 624 | 176 | 15 | 212 |
| 217, 862 | Cowan, Miles R. B., Windsor, Canada. Fan attachment for rocking-chairs | July 29, 1879 | 1076 | 309 | 16 | 179 |
| | Cowan, Richard W. (*See* Rice, Thomas G., assignor.) | | | | | |
| 216, 556 | Cowan, William, Edinburgh, North Britain. Gas-regulator | June 17, 1879 | 624 | 177, 178 | 15 | 981 |
| 214, 369 | Cowburn, Thomas, Gloucester, England. Boot and shoe heeling-machine | Apr. 15, 1879 | 770 | 216, 217 | 15 | 587 |
| 216, 781 | Cowden, Robert I., De Wittville, N. Y. Combined planter | June 24, 1879 | 892 | 253 | 15 | 1026 |
| | Cowden, Sylvester M. (*See* Gibson & Cowden.) | | | | | |
| 217, 067 | Cowdery, Edwin N., assignor to self and C. Carlton, Kalamazoo, Mich. Windmill | July 1, 1879 | 157 | 46 | 16 | 22 |
| | Cowgill, Christian D. (*See* Burdine & Cowgill.) | | | | | |
| 212, 301 | Cowhig, Jerry, Richmond, Ind. Fire-tube steam-boiler | Feb. 18, 1879 | 558 | 156 | 15 | 203 |
| 220, 129 | Same.....Punching-machine | Sept. 30, 1879 | 1245 | 342 | 16 | 610 |
| 212, 902 | Cowing, George, Cleveland, Ohio. Mold for casting steel | Mar. 4, 1879 | 151 | ..... | 15 | 316 |
| | Cowl, Adelia J. (*See* Cowl, Lyndon Y., assignor.) | | | | | |
| 211, 707 | Cowl, Lyndon Y., assignor to A. J. Cowl, Brooklyn, N. Y. Pipe-tongs | Jan. 28, 1879 | 748 | 209 | 15 | 103 |
| | Cowlam, George B., *et al.* (*See* Johnson, William P., assignor.) | | | | | |
| | Cowles Hardware Company. (*See* Jewett, George M., assignor.) | | | | | |
| 217, 992 | Cowles, Oscar F., Syracuse, N. Y. Brake-lever for street-cars | July 29, 1879 | 1215 | 348 | 16 | 197 |
| | Cowper, Edward A. (*See* Cochrane & Cowper) (Reissue.) | | | | | |
| 217, 587 | Cowper, Edward A., Westminster, Middlesex County, England. Fliers for spinning-machines | July 15, 1879 | 744 | 212 | 16 | 119 |
| 217, 588 | Same.....Autographic telegraph | July 15, 1879 | 744 | 212 | 16 | 119 |
| 218, 357 | Cowper, Edward A., assignor to C. W. Siemens, London, England. Regenerative hot-blast stove | Aug. 5, 1879 | 278 | 76 | 16 | 257 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216, 725 | Cox, Arthur W., assignor of one-half interest to W. M. Hamilton, Auburn, Me. Table-knife | June 24, 1879 | 826 | 236 | 15 | 1018 |
| 215, 328 | Cox, David A., Pine Bush, N. Y. Snow-flanger | May 13, 1879 | 421 | 125 | 15 | 759 |
| 219, 692 | Cox, Harris G., Alvarado, Cal. Wagon-brake | Sept. 16, 1879 | 734 | 203 | 16 | 523 |
| 218, 938 | Cox, Henry M., Linden, Cal. Horse-power for operating pumps | Aug. 26, 1879 | 987 | 277 | 16 | 384 |
| 219, 693 | Cox, Isaac L., and A. J. Whitney, Rock Island, Ill. Polishing-machine | Sept. 16, 1879 | 735 | 203 | 16 | 523 |
| 218, 493 | Cox, Joseph L., La Fayette, Ind. Cylinder printing-press | Aug. 12, 1879 | 451 | 125, 126 | 16 | 291 |
| 222, 674 | Cox, Lewis J., Terre Haute, Ind. Disintegrating grain | Dec. 16, 1879 | 664 | ..... | 16 | 1120 |
| 216, 660 | Cox, Patrick, Rochester, N. Y. Boot and shoe | June 17, 1879 | 738 | 211 | 15 | 996 |
| 215, 046 | Cox, Samuel B., Lancaster, Pa. Seat-back and shifting-rail for vehicles | May 6, 1879 | 68 | 21 | 15 | 711 |
| 213, 810 | Coxey, J. Hampson, Philadelphia, Pa. Drawbar for railway-cars | Apr. 1, 1879 | 89 | 27 | 15 | 484 |
| | Cragg, William G. (*See* Sawdon & North, assignors.) | | | | | |
| | Cragin Brothers & Chandler. (*See* Bowers, George A., assignor.) | | | | | |
| | Same .....(*See* Keller, Peter, assignor.) | | | | | |
| 215, 725 | Craig, Annie F., Washington, D. C. Picture | May 27, 1879 | 873 | 256 | 15 | 837 |
| 221, 157 | Craig, James, Clarinda, Iowa. Oven | Nov. 4, 1879 | 21 | 5, 6 | 16 | 815 |
| 218, 717 | Craig, James H., assignor of one-half interest to P. Heisel, Cincinnati, Ohio. Washing-machine | Aug. 19, 1879 | 710 | 202 | 16 | 336 |
| 220, 580 | Craig, John D., Vienna, Ill. Railway water-tank | Oct. 14, 1879 | 435 | 112 | 16 | 701 |
| 221, 527 | Craig, Michael F., Nevada City, Cal. Sprinkler for railway-rails | Nov. 11, 1879 | 459 | 125 | 16 | 884 |
| 221, 784 | Craig, Samuel M., Austin, Tex. Fire-lighter | Nov. 18, 1879 | 743 | 208 | 16 | 933 |
| 217, 271 | Craig, William, New York, N. Y. Steam-pump | July 8, 1879 | 391 | 115 | 16 | 62 |
| 8, 626 | Craigie, Hugh H., Stamford, Conn. Water-closet (Reissue) | Mar. 18, 1879 | 818 | 231 | 15 | 419 |
| 216, 312 | Craigie, Hugh H., assignor to J. Craigie, Stamford, Conn. Water-closet | June 10, 1879 | 344 | 101 | 15 | 935 |
| 216, 661 | Same.....Water-faucet | June 17, 1879 | 739 | 211 | 15 | 997 |
| | Craigie, Julia. (*See* Craigie, Hugh H., assignor.) | | | | | |
| 215, 885 | Crain, Osro A., Evanston, Ill. Cultivator | May 27, 1879 | 1052 | 307 | 15 | 860 |
| 222, 461 | Campton, Thomas R., Westminster, Middlesex County, England. Revolving puddling-furnace | Dec. 9, 1879 | 396 | 113, 114 | 16 | 1072 |
| | Crandal, Edward M. (*See* McVoy, John, assignor.) | | | | | |
| 216, 836 | Crandal, Edward M., Chicago, Ill. Spool for winding wire | June 24, 1879 | 957 | 272 | 15 | 1034 |
| 217, 200 | Same .....Fence-wire stretcher | July 8, 1879 | 317 | 93 | 16 | 52 |
| 220, 912 | Same.....Indicator for barbed-wire fences | Oct. 28, 1879 | 824 | 220 | 16 | 769 |
| 221, 158 | Same.....Barbed fence | Nov. 4, 1879 | 22 | 6 | 16 | 815 |
| | Crandall & Co., C. M. (*See* Barnes, William W., assignor.) | | | | | |
| 211, 837 | Crandall, Jesse A., Brooklyn, N. Y. Molding-toy | Feb. 4, 1879 | 10 | 3 | 15 | 128 |
| | Crandall, Will D. (*See* Ketchum, Martin, assignor.) | | | | | |
| 213, 177 | Crane, Charles, and N. Raup, Park City, Utah. Guide for the stems of stamping-mills | Mar. 11, 1879 | 492 | 136 | 15 | 368 |
| | Crane, Daniel. (*See* Allen & Crane.) | | | | | |
| | Crane, Day O. (*See* Huss, Oscar E., assignor.) | | | | | |
| | Crane, H. D. (*See* Crane, Martin H., assignor.) | | | | | |
| | Crane, Henry G., *et al.* (*See* Carver, Thomas F., assignor.) | | | | | |
| 220, 348 | Crane, Jason, Bloomfield, N. J. Molding plastic materials | Oct. 7, 1879 | 152 | ..... | 16 | 655 |
| 221, 669 | Crane, John W., Saratoga Springs, assignor of one-half interest to C. A. McLeod, Troy, N. Y. Sewerage | Nov. 18, 1879 | 615 | 172 | 16 | 915 |
| 213, 176 | Crane, Job S., assignor to T. W. Langstroth, Newark, N. J. Gong-bell | Mar. 11, 1879 | 491 | 136 | 15 | 368 |
| 220, 963 | Crane, Lauren E., Rochester, Minn. Collar-support and friction-pad | Oct. 28, 1879 | 892 | 239 | 16 | 778 |
| 212, 302 | Crane, Martin H., Cincinnati, assignor to H. D. Crane, Hamilton County, Ohio. Vehicle-spring | Feb. 18, 1879 | 559 | 156 | 15 | 203 |
| 8, 896 | Crane, Moses G., and E. Rogers, assignors, by mesne assignments, to Gamewell Fire Alarm Telegraph Company, New York, N. Y. Automatic signal-box for fire-alarm telegraphs (Reissue) | Sept. 16, 1879 | 845 | 233 | 16 | 538 |
| 216, 023 | Crane, Richard T., Chicago, Ill. Boring and reaming tool | June 3, 1879 | 21 | 5 | 15 | 887 |
| 214, 628 | Crane, Sylvanus B., Davenport, Iowa. Passenger-recorder | Apr. 22, 1879 | 1073 | 301 | 15 | 634 |
| 219, 917 | Same.....Electrical passenger-recorder | Sept. 23, 1879 | 987 | 274, 275 | 16 | 567 |
| 215, 439 | Crane, Thomas, Fort Atkinson, Wis. Screen-door | May 20, 1879 | 545 | 161 | 15 | 785 |
| 218, 494 | Same.....Gate-hinge | Aug. 12, 1879 | 453 | 126 | 16 | 292 |
| 215, 329 | Crannell, Jesse, assignor of one-half interest to E. Cluett, Troy, N. Y. Gas-lighting torch | May 13, 1879 | 421 | 125 | 15 | 759 |
| 217, 513 | Cranson, Giles S., Syracuse, N. Y. Buckwheat-hulling apparatus | July 15, 1879 | 663 | 189 | 16 | 108 |
| | Cranston, Charles, *et al.* (*See* Clarke, George R., assignor.) | | | | | |
| | Cranston, Charles. (*See* Clarke, Sterling & Cranston.) | | | | | |
| 217, 068 | Cranston, John H., Norwich, Conn. Cam | July 1, 1879 | 158 | 46 | 16 | 23 |
| 217, 069 | Same.....Bunter mechanism for printing-machines | July 1, 1879 | 159 | 46 | 16 | 23 |
| 220, 581 | Same.....Inking apparatus for printing machines | Oct. 14, 1879 | 437 | 112, 113 | 16 | 701 |
| 222, 387 | Crary, John W., Philadelphia, Pa. Automatic hot and cold air damper | Dec. 9, 1879 | 308 | 86 | 16 | 1061 |
| 218, 495 | Craven, Samuel W., Jonesborough, Ill. Fruit-drying house | Aug. 12, 1879 | 454 | 127 | 16 | 292 |
| 217, 993 | Craven, Thomas C., Greenbush, assignor of one-half interest to O. H. B. Cornell, Albany, N. Y. Cotton-picker | July 29, 1879 | 1216 | 349 | 16 | 197 |
| 212, 296 | Craver, Charles F., and J. M. Wishart, Grinnell, Iowa. Harvester-elevator | Feb. 11, 1879 | 539 | 151 | 15 | 198 |
| 212, 663 | Same.....Driving-wheel | Feb. 25, 1879 | 994 | 276 | 15 | 269 |
| | Craw, George. (*See* Brown & Craw.) | | | | | |
| 218, 859 | Craw, William B., Burlington, Iowa. Feed-water heater | Aug. 26, 1879 | 901 | 252 | 16 | 371 |
| 211, 888 | Crawford, A. Herbert, Liverpool, N. Y. Treating willows for the manufacture of wicker-work | Feb. 4, 1879 | 74 | 22 | 15 | 135 |
| 214, 759 | Same.....Apparatus for the manufacture of salt | Apr. 29, 1879 | 1227 | 344 | 15 | 661 |
| 211, 838 | Crawford, Benjamin, Chicago, Ill. Freight-car lock | Feb. 4, 1879 | 11 | 4 | 15 | 128 |
| 219, 345 | Crawford, James G., Boston, Mass. Ironing apparatus | Sept. 9, 1879 | 341 | 97 | 16 | 463 |
| 219, 346 | Same.....same | Sept. 9, 1879 | 342 | 97 | 16 | 463 |
| 211, 226 | Crawford, John, assignor to A. G. Myers, New York, N. Y. Water-closet | Jan. 7, 1879 | 164 | 49 | 15 | 22 |
| 211, 497 | Crawford, John C., Douglass, Iowa. Washing-machine | Jan. 21, 1879 | 492 | 139 | 15 | 66 |
| | Crawford, John M. (*See* Murset & Crawford.) | | | | | |
| 218, 237 | Crawford, John M., Philadelphia, Pa. Apparatus for automatically raising and lowering gas-flames | Aug. 5, 1879 | 149 | 40 | 16 | 240 |
| 218, 238 | Same.....Grate | Aug. 5, 1879 | 151 | 41 | 16 | 240 |
| 220, 467 | Crawford, Samuel B., and A. Laird, Parkersburg, W. Va. Locomotive main and coupling rod | Oct. 14, 1879 | 293 | 78 | 16 | 684 |
| | Crawford, Samuel F. (*See* St. Charles, William, assignor.) | | | | | |
| 217, 514 | Crawford, Sewell G., and B. C. Jackson, Oakland, Cal. Band-saw mill | July 15, 1879 | 664 | 189 | 16 | 109 |
| 217, 201 | Crawley, William L., Newark, N. J. Leather flap-valve | July 8, 1879 | 318 | 94 | 16 | 52 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 217, 863 | Craycraft, William J., Shelbyville, Ind. Gate-latch | July 29, 1879 | 1076 | 309 | 16 | 179 |
| 215, 886 | Craycroft, Thomas B., Salem, Ill. Brick-machine | May 27, 1879 | 1053 | 307 | 15 | 860 |
| 217, 070 | Creasey, John A., Norborne, Mo. Wind-wheel | July 1, 1879 | 160 | 47 | 16 | 23 |
| 216, 943 | Crecelius, Louis J., assignor of one-half interest to G. H. Shields, Saint Louis, Mo. Lubricator | July 1, 1879 | 17 | 5 | 16 | 4 |
| | Creegan, Michael J. (*See* Lovejoy, Ferguson & Creegan) (Reissue.) | | | | | |
| 219, 347 | Creese, Frank, and V. St. John, New Holland, Ill. Vehicle-axle lubricator | Sept. 9, 1879 | 344 | 97 | 16 | 464 |
| 223, 115 | Creighton, James R., Boston, Mass. Speaking-tube annunciator | Dec. 30, 1879 | 1177 | 331 | 16 | 1212 |
| 215, 569 | Cregier, Dewitt C., Chicago, Ill. Railway tie and chair | May 20, 1879 | 629 | 184 | 15 | 796 |
| | Cressy, Bradford S. (*See* Byron, John M., assignor.) | | | | | |
| 223, 032 | Cremer, Charles, Cosumne, Cal. Felly-plate | Dec. 30, 1879 | 1073 | 306 | 16 | 1199 |
| 220, 130 | Crémérieux, Balthazard, assignor to F. O. Horstmann, S. Clarksen, W. P. Ellison, and W. Horstmann, trustees, Philadelphia, Pa. Loom for weaving fringe | Sept. 30, 1879 | 1246 | 342, 343 | 16 | 611 |
| 221, 034 | Crenshaw, John B., Richmond, Va. Plow | Oct. 28, 1879 | 977 | 260 | 16 | 789 |
| 211, 622 | Cresse, Philip H., Cape May, N. J. Corn-planter | Jan. 28, 1879 | 654 | 184 | 15 | 90 |
| 215, 809 | Cretors, Charles, Decatur, Ill., Curtain-fixture | May 27, 1879 | 965 | 283 | 15 | 849 |
| 212, 443 | Crich, William B., Ypsilanti, Mich. Spring bed-bottom | Feb. 18, 1879 | 727 | 201 | 15 | 226 |
| 221, 722 | Crikelair, Gustave J., New York, N. Y. Water-elevating apparatus | Nov. 18, 1879 | 678 | 189 | 16 | 923 |
| | Crisp, Joseph E. (*See* Copeland & Crisp.) | | | | | |
| 211, 651 | Crisp, Joseph E., Boston, Mass., assignor to Copeland Lasting Machine Company, Hartford, Conn. Pegging-machine | Jan. 28, 1879 | 689 | 193, 194 | 15 | 94 |
| 215, 047 | Crisp, Joseph E., Boston, assignor to G. W. Copeland, Malden, Mass. Automatic reciprocation-regulator | May 6, 1879 | 69 | 21, 22 | 15 | 711 |
| 215, 440 | Same .....Boot-treeing machine | May 20, 1879 | 546 | 161 | 15 | 785 |
| 221, 785 | Crisp, Joseph E., Boston, Mass. Pegging-machine | Nov. 18, 1879 | 743 | 208 | 16 | 933 |
| 221, 786 | Same.....Boot-treeing machine | Nov. 18, 1879 | 746 | 208, 209 | 16 | 933 |
| 222, 249 | Same..... same | Dec. 2, 1879 | 155 | 40 | 16 | 1029 |
| 222, 774 | Same.....Treeing boots | Dec. 23, 1879 | 776 | ..... | 16 | 1146 |
| 211, 839 | Crispin, Silas, New York, N. Y. Lining tube for ordnance | Feb. 4, 1879 | 12 | 4 | 15 | 128 |
| 212, 197 | Same.....Gas-check for breech-loading ordnance | Feb. 11, 1879 | 440 | 120 | 15 | 184 |
| 213, 630 | Critchlow, Thomas, Swatara Township, Dauphin County, Pa. Carriage for railway-bars | Mar. 25, 1879 | 983 | 279 | 15 | 448 |
| 214, 109 | Critchlow, Thomas, Steel Works, Pa. Elevating apparatus | Apr. 8, 1879 | 452 | 128 | 15 | 537 |
| 220, 913 | Crocker, Frederick, sr., Olean, N. Y. Combination-pump | Oct. 28, 1879 | 825 | 221 | 16 | 770 |
| | Crocker, Hercules H. (*See* Blood, Edwin J., assignor.) | | | | | |
| 214, 370 | Crocker, Horace E., Buffalo, N. Y. Combined sad and fluting iron | Apr. 15, 1879 | 774 | 217, 218 | 15 | 587 |
| 214, 026 | Crocker, Richard, and W. H. Lytle, Des Moines, Iowa. Car brake and starter | Apr. 8, 1879 | 337 | 97 | 15 | 525 |
| | Crocker, John F. (*See* Harrigan, Dennis, assignor.) | | | | | |
| 218, 358 | Crockett, John F., Laconia, N. H. Car-coupling | Aug. 5, 1879 | 278 | 76 | 16 | 257 |
| 216, 944 | Crockett, Samuel J., assignor to New England Organ Company, Boston, Mass. Reed organ | July 1, 1879 | 18 | 5, 6 | 16 | 5 |
| 219, 073 | Croft, Edward, Waterbury, assignor to Russell & Irwin Manufacturing Company, New Britain, Conn. Machine for rolling threads on screws | Sept. 2, 1879 | 18 | 6 | 16 | 415 |
| | Croft, Silas C. (*See* Peterson, Adolphus, assignor.) | | | | | |
| 221, 787 | Croll, Alexander A., London, England. Manufacture of sulphate of alumina | Nov. 18, 1879 | 750 | ..... | 16 | 933 |
| 220, 702 | Cromer, Philip, Boston, Mass. Rolling-pin | Oct. 21, 1879 | 575 | 153 | 16 | 728 |
| 220, 060 | Crompton, Edward, Liverpool, England. Steam-boiler | Sept. 30, 1879 | 1169 | 321 | 16 | 600 |
| | Crompton, George, (*See* Gebhart, John F., assignor) (Reissue.) | | | | | |
| 211, 708 | Crompton, George, Worcester, Mass. Mechanism for shifting the shuttle-boxes of looms | Jan. 28, 1879 | 748 | 210 | 15 | 103 |
| 216, 782 | Crompton, George, and H. Wyman, Worcester, Mass., assignors to said Crompton. Jacquard card-punching machine | June 24, 1879 | 893 | 254 | 15 | 1026 |
| 217, 589 | Crompton, George, and H. Wyman, Worcester, Mass., assignors to said Crompton. Loom | July 15, 1879 | 747 | 213, 214 | 16 | 119 |
| 219, 074 | Crompton, George, Worcester, Mass. Rug | Sept. 2, 1879 | 19 | 7 | 16 | 415 |
| 213, 741 | Cronin, Martin, Washington, D. C. Portable platform for fire and other ladders | Apr. 1, 1879 | 14 | 4 | 15 | 474 |
| | Cronshaw, Christopher, executor. (*See* Hudson, Grimshaw & Cronshaw.) | | | | | |
| 221, 911 | Crook, Charles, Brooklyn, assignor to Crook, Herring & Co., New York, N. Y. Automatic cigar-lighter | Nov. 25, 1879 | 915 | 256, 257 | 16 | 965 |
| 221, 528 | Crook, Charles T., and L. J. Huffman, Fort Mill, S. C. Plow | Nov. 11, 1879 | 459 | 125 | 16 | 884 |
| | Crook, Herring & Co. (*See* Crook, Charles, assignor.) | | | | | |
| 214, 629 | Crooke, Thomas, Newark, N. J. Hot-air furnace | Apr. 22, 1879 | 1074 | 302 | 15 | 634 |
| 222, 462 | Crooks, James W., assignor of one-half interest to R. A. Conden, Strawtown, Ind. Flax-thrashing machine | Dec. 9, 1879 | 401 | 114 | 16 | 1073 |
| 211, 556 | Crosby, Atwood, Waterville, Me. Burglar-alarm | Jan. 21, 1879 | 560 | 158 | 15 | 74 |
| 216, 605 | Same.....Ax-pocket | June 17, 1879 | 685 | 196 | 15 | 989 |
| 219, 149 | Crosby, George H., East Somerville, Mass. Steam-engine recorder | Sept. 2, 1879 | 101 | 30 | 16 | 425 |
| 220, 809 | Crosby, Hartwell A., and G. F. Thompson, jr., administrator of M. W. Thompson, deceased, St. John, New Brunswick. Sash stop and lock | Oct. 21, 1879 | 703 | 186 | 16 | 744 |
| 214, 281 | Crosby, John M., Philadelphia, Pa., assignor to S. A. Smith, Guildford, Vt. Canopy-top for children's carriages | Apr. 15, 1879 | 661 | 184, 185 | 15 | 574 |
| 211, 835 | Crosby, John Q., Yonkers, N. Y. Straw-cutter | Feb. 4, 1879 | 8 | 2 | 15 | 127 |
| 218, 860 | Crosby, Joseph E., New York, N. Y. Checker-men | Aug. 26, 1879 | 903 | 252 | 16 | 372 |
| 214, 110 | Crosby, Mark, Wakefield, Mass. Cabinet-bedstead | Apr. 8, 1879 | 453 | 128 | 15 | 537 |
| 218, 118 | Crosman, John C., Boston, Mass. Fire-place blower | Aug. 5, 1879 | 13 | 4 | 16 | 222 |
| 214, 630 | Cross, Frederick E., and R. G. Speirs, Waterbury, Conn. Wire straightening and cutting machine | Apr. 22, 1879 | 1076 | 302 | 15 | 634 |
| 214, 371 | Cross, John L., assignor of one-half interest to H. W. Richardson, Philadelphia, Pa. Shoe | Apr. 15, 1879 | 775 | 218 | 15 | 588 |
| | Cross, William C. (*See* Stocking, Edgar B., assignor.) | | | | | |
| 215, 578 | Cross, William C., Boston, Mass. Paper-bag machine | May 20, 1879 | 705 | 207 | 15 | 806 |
| 220, 810 | Same.....same | Oct. 21, 1879 | 704 | 186, 187 | 16 | 744 |
| 221, 035 | Same.....same | Oct. 28, 1879 | 979 | 260 | 16 | 789 |
| 221, 529 | Same.....same | Nov. 11, 1879 | 460 | 126 | 16 | 884 |
| 221, 530 | Same.....same | Nov. 11, 1879 | 462 | 126 | 16 | 884 |
| 221, 531 | Same.....same | Nov. 11, 1879 | 465 | 127 | 16 | 885 |
| 222, 464 | Same.....same | Dec. 9, 1879 | 404 | 115 | 16 | 1073 |
| 222, 465 | Same.....same | Dec. 9, 1879 | 406 | 115 | 16 | 1074 |
| | Crosse, Edmund M., *et al.* (*See* Henderson, James, assignor.) | | | | | |
| 219, 623 | Crossley, Edward, M. Morley, and J. Thomas, Halifax, York County, England. Yarn-printing machine | Sept. 16, 1879 | 652 | 181, 182 | 16 | 512 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 222, 463 | Crossley, Francis W., and W. J. Manchester, assignors to J. H. Ladd, London, C. A. Head and T. Wrightson, Stockton-on-Tees, England. Driving-gear for toggle-presses | Dec. 9, 1879 | 403 | 114 | 16 | 1073 |
| | Crossley, William J. (*See* Crossley, Francis W. and W. J.) | | | | | |
| 211, 227 | Crossman, Charles P., West Warren, assignor of one-half interest to H. S. Brown, Worcester, Mass. Spray-cruet stopple | Jan. 7, 1879 | 165 | 49 | 15 | 22 |
| 215, 887 | Crossman, Charles P., and A. H. Somes, West Warren, Mass. Sink-valve | May 27, 1879 | 1055 | 308 | 15 | 860 |
| 222, 624 | Crotty, John S., New York. Corset | Dec. 16, 1879 | 603 | 172 | 16 | 1110 |
| 216, 313 | Crouch, Frank J., Eugene City, Oreg. Automatic elevator | June 10, 1879 | 346 | 101 | 15 | 930 |
| 222, 466 | Crounse, Lorenzo L., Kingston, N. Y. Utilization of the dust or culm of anthracite coal as fuel | Dec. 9, 1879 | 409 | ..... | 16 | 1074 |
| 215, 330 | Crowell, Albert, Providence, R. I. Apple corer and slicer | May 13, 1879 | 422 | 125 | 15 | 759 |
| | Crowell & Co., J. B. (*See* Bechtelle, Christian P., assignor.) | | | | | |
| 212, 198 | Crowell, David, assignor to self and J. Grey, Florence, Ontario, Canada. Mowing-machine | Feb. 11, 1879 | 441 | 121 | 15 | 184 |
| 221, 396 | Crowell, Hilen C., Erie, Pa. Friction-clutch | Nov. 11, 1879 | 303 | 83 | 16 | 863 |
| 215, 888 | Crowell, John S., Springfield, Ohio. Barb for wire fencing | May 28, 1879 | 1055 | 308 | 15 | 860 |
| 8, 900 | Crowell, Luther C., Boston, Mass., assignor to Union Paper Bag Machine Company. Paper-bag machine ....Reissue.. | Sept. 16, 1879 | 851 | 234, 235 | 16 | 539 |
| 212, 444 | Crowell, Luther C., Boston, Mass., assignor to R. Hoe & Co., New York, N. Y. Printing-machine | Feb. 18, 1879 | 728 | 201, 202 | 15 | 226 |
| 217, 071 | Same.....Sheet-delivery apparatus for printing-machines | July 1, 1879 | 161 | 47, 48 | 16 | 23 |
| 213, 875 | Crowley, Roy O., assignor to self and J. Boyd, Baltimore, Md. Electric register for voting | Apr. 1, 1879 | 159 | 47 | 15 | 493 |
| 219, 694 | Crowley, Roy O., New York, N. Y. Electrical apparatus for regulating temperature | Sept. 16, 1879 | 736 | 203 | 16 | 523 |
| 216, 509 | Crowley, William J., Fall River, Mass. Repairing-last | June 17, 1879 | 577 | 165 | 15 | 975 |
| 218, 939 | Crowther, Benedict, Heathsville, Va. Vehicle-axle box | Aug. 26, 1879 | 988 | 277 | 16 | 384 |
| | Croxton, James C. (*See* McGregor & Croxton.) | | | | | |
| 222, 346 | Cruickshank, George M., Providence, R. I. Machine for cutting horn | Dec. 9, 1879 | 265 | 73 | 16 | 1055 |
| 216, 945 | Crull, Henry H., Kalamazoo, Mich. Back fire-wall for stoves | July 1, 1879 | 19 | 6 | 16 | 5 |
| 217, 994 | Crump, Samuel, Mont Clair, N. J. Applying powdered paste to labels | July 29, 1879 | 1219 | ..... | 16 | 197 |
| 216, 726 | Crumpton, Thomas D., Burlington, Iowa. Gate | June 24, 1879 | 827 | 236 | 15 | 1018 |
| 219, 448 | Crutcher, James P., Bethesda, Tenn. Horse-detacher | Sept. 9, 1879 | 455 | 127 | 16 | 478 |
| 214, 111 | Cubley, Edwin J., assignor of one-half interest to T. J. Thompson, Chicago, Ill. Door-alarm bell | Apr. 8, 1879 | 454 | 129 | 15 | 537 |
| 220, 811 | Cudahy, Patrick, Milwaukee, Wis. Lard-cooler | Oct. 21, 1879 | 707 | 187 | 16 | 744 |
| 219, 919 | Cullers, William H., assignor to self and C. W. Cochran, Allegheny, Pa. Spring whiffletree-clip | Sept. 23, 1879 | 992 | 276 | 16 | 568 |
| 217, 995 | Culmer, John W., Pittsburg, assignor of one-half interest to W. J. Brundred, Oil City, Pa. Apparatus for separating hydrocarbon oils | July 29, 1879 | 1219 | 349, 350 | 16 | 197 |
| 221, 532 | Culp, James J., and W. H. Montague, Bell's Depot, Tenn. Corn, cotton, and seed planter | Nov. 11, 1879 | 467 | 127 | 16 | 885 |
| 212, 839 | Culver, Fitz E., Chicago, Ill. Road-engine | Mar. 4, 1879 | 67 | 20 | 15 | 306 |
| 220, 222 | Culver, James H., assignor to H. P. Herrick, San Francisco, Cal. Safety device for elevators | Oct. 7, 1879 | 13 | 4 | 16 | 636 |
| 217, 927 | Culver, John P., San Francisco, Cal., and T. H. Walsh, New York, N. Y. Pipe-joint | July 29, 1879 | 1148 | 328 | 16 | 188 |
| 220, 522 | Culver, John P., San Francisco, Cal. Drain and other pipes | Oct. 14, 1879 | 358 | 94 | 16 | 692 |
| 220, 131 | Culver, Myron A., W. A. Jones, and M. C. Briggs, Bairdstown, Ohio. Hoop-lapping machine | Sept. 30, 1879 | 1247 | 343 | 16 | 611 |
| | Culver, Newton H. (*See* Hinckley & Culver.) | | | | | |
| | Culvert, William, *et al.* (*See* Munn, Francis, assignor.) | | | | | |
| 216, 082 | Cummings, Albert E., Ashburnham, Mass. Stump and stone extractor | June 3, 1879 | 82 | 24 | 15 | 895 |
| 216, 510 | Cummings, Albert G., Harrisburg, Pa. Interlocking switch and signal | June 17, 1879 | 578 | 165 | 15 | 975 |
| 218, 496 | Same .....Deflection-stand for switch-operating rods | Aug. 12, 1879 | 455 | 127 | 16 | 292 |
| 8, 807 | Cummings, Daniel M., Enfield, N. H., assignor, by mesne assignments, to Compound Lumber Company, New York, N. Y. Compound lumber ....(Reissue).. | July 15, 1879 | 847 | 241 | 16 | 132 |
| | Cummings, Moses R., *et al.* (*See* Cummings, Schuyler, assignor.) | | | | | |
| 212, 092 | Cummings, Perley M., Lyons, Iowa. Weighing-scales | Feb. 11, 1879 | 315 | 87 | 15 | 168 |
| 211, 295 | Cummings, Schuyler, assignor to D. Wilbur and M. R. Cummings, Milford, N. Y. Hop-culture | Jan. 14, 1879 | 255 | 75 | 15 | 33 |
| 215, 101 | Cummings, Uriah, Buffalo, N. Y. Rock-drill | May 6, 1879 | 131 | 39 | 15 | 719 |
| 213, 178 | Cummins, John R., McKinney, Tex. Attachment for wheel-plows | Mar. 11, 1879 | 493 | 136 | 15 | 368 |
| 221, 788 | Cummins, Montroville D., Hope, Ohio. Wind-engine | Nov. 18, 1879 | 751 | 210 | 16 | 933 |
| 216, 156 | Cummins, Patrick H., Amsterdam, N. Y. Sleigh-knee | June 3, 1879 | 154 | 45 | 15 | 904 |
| 222, 775 | Cunningham, Albert, Milwaukee, Wis. Circular saw mill | Dec. 23, 1879 | 776 | 223 | 16 | 1146 |
| 217, 072 | Cunningham, Alexander, Augusta, Ohio. Cork for milk-jars | July 1, 1879 | 165 | 48 | 16 | 23 |
| 211, 709 | Cunningham, Andrus, Pleasantville, Pa. Combined sand-pump and center-bit for oil-wells | Jan. 28, 1879 | 751 | 210 | 15 | 103 |
| 216, 946 | Same.....Metallic packer | July 1, 1879 | 20 | 6 | 16 | 5 |
| 223, 033 | Cunningham, Edwin S., Moorefield, W. Va. Hoisting and elevating apparatus | Dec. 30, 1879 | 1074 | 307 | 16 | 1199 |
| 221, 723 | Cunningham, Francis, Green Mount, Pa. Harvester-rake | Nov. 18, 1879 | 680 | 190 | 16 | 923 |
| | Cunningham, Herman E., *et al.* (*See* Hartmann, Ernest L., assignor.) | | | | | |
| | Same.....(*See* Kershaw, Thomas, assignor.) | | | | | |
| | Same.....(*See* Stamour, John B., assignor.) | | | | | |
| 213, 876 | Cunningham, Herman E., assignor to self, T. Cunningham, L. Brown, H. B. Lincoln, G. Brown, and F. P. Pendleton, Philadelphia, Pa. Card-clothing | Apr. 1, 1879 | 161 | 47 | 15 | 493 |
| | Cunningham, Herman G., *et al.* (*See* Howard, James S., assignor.) | | | | | |
| 217, 928 | Cunningham, John, Paducah, Ky. Construction of steamboats | July 29, 1879 | 1149 | 329 | 16 | 189 |
| 217, 344 | Cunningham, John F., Candia, N. H. Sole-edge-trimming tool | July 8, 1879 | 470 | 137 | 16 | 72 |
| | Cunningham, Thomas, *et al.* (*See* Cunningham, Herman E., assignor.) | | | | | |
| | Same.....(*See* Forester, Isaac N., assignor.) | | | | | |
| | Same.....(*See* Hartmann, Ernest L., assignor.) | | | | | |
| | Same.....(*See* Howard, James S., assignor.) | | | | | |
| | Same.....(*See* Kershaw, Thomas, assignor.) | | | | | |
| | Same.....(*See* Stamour, John B., assignor.) | | | | | |
| 215, 331 | Cunningham, Thomas M., Nashville, Tenn. Mail-bag fastener | May 13, 1879 | 423 | 126 | 15 | 759 |
| | Cunningham, William. (*See* Miller & Cunningham.) | | | | | |
| | Cunningham, William J. (*See* Peterson, Albert H., assignor.) | | | | | |
| 219, 695 | Cunningham, William R., Lafayette, Ind. Check-rower for corn-planters | Sept. 16, 1879 | 738 | 204 | 16 | 524 |
| 8, 840 | Curran, John J., Chicago, Ill., assignor of one-third interest to C. Wilcox. Lumber-drier ....(Reissue).. | Aug. 12, 1879 | 582 | 164 | 16 | 310 |
| 8, 846 | Curran, John J., Chicago, Ill., assignor, by mesne assignments, to self and C. Wilcox. Lumber-drier ....(Reissue).. | Aug. 12, 1879 | 589 | 165, 166 | 16 | 311 |
| 220, 914 | Currier, Charles M., Independence, Ohio. Whetstone-holder | Oct. 28, 1879 | 826 | 221 | 16 | 770 |
| | Currier, David, *et al.* (*See* Mayland, James, assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Currier, Henry A. (*See* Wardwell & Currier.) | | | | | |
| 214, 027 | Currier, John F., Cincinnati, Ohio. Metallic roofing-plate | Apr. 8, 1879 | 339 | 97 | 15 | 525 |
| 216, 511 | Same.....Machine for bending sheet-metal roofing-plates | June 17, 1879 | 580 | 165 | 15 | 975 |
| 219, 696 | Currier, Jonathan T., Neponset, Ill. Road-grader | Sept. 16, 1879 | 738 | 204 | 16 | 524 |
| | Currier, Nathan P., *et al.* (*See* Wallace, Thomas, assignor.) | | | | | |
| 211, 296 | Currier, Osceola, Newark, N. J. Enameled-cloth-polishing machine | Jan. 14, 1879 | 256 | 75 | 15 | 33 |
| 211, 498 | Curry, Charles D. A., Stonewall, Va. Portable fence | Jan. 21, 1879 | 493 | 140 | 15 | 66 |
| 222, 021 | Curry, William M., assignor of one-half interest to A. J. George, Morning Sun, Ohio. Thill coupling | Nov. 25, 1879 | 1035 | 290 | 16 | 989 |
| 211, 381 | Curtice, Jesse M., Mount Sterling, Ky. Washing-machine | Jan. 14, 1879 | 364 | 105 | 15 | 47 |
| 217, 996 | Curtice, John F., Fort Wayne, Ind. Car-brake shoe | July 29, 1879 | 1224 | 350 | 16 | 198 |
| 223, 116 | Same.....Sad-iron heater | Dec. 30, 1879 | 1179 | 332 | 16 | 1212 |
| | Curtis, Allie B., *et al.* (*See* Curtis, Augustine B., assignor.) | | | | | |
| 221, 533 | Curtis, Augustine B., assignor to L. Kraus and A. B. Curtis, Birmingham, Conn. Corset-clasp | Nov. 11, 1879 | 467 | 127 | 16 | 885 |
| | Curtis, Azariah E. (*See* Lockwood & Bacon, assignors.) | | | | | |
| 213, 548 | Curtis, George H. W., Brooklyn, N. Y., assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Sewing-machine | Mar. 25, 1879 | 895 | 255, 256 | 15 | 437 |
| 220, 964 | Same.....Overseaming attachment for sewing-machines | Oct. 28, 1879 | 893 | 239 | 16 | 778 |
| 221, 397 | Curtis, George H. W., Brooklyn, N. Y. Boot and shoe button | Nov. 11, 1879 | 304 | 83 | 16 | 863 |
| 217, 681 | Curtis, George S., Chicago, Ill. Wire-band cutter and fruit-picker | July 22, 1879 | 872 | 249 | 16 | 145 |
| 8, 581 | Curtis, Henry M., and A. Worden; said Curtis assignor to J. S. Worden, Ypsilanti, Mich. Whip-holder (Reissue) | Feb. 18, 1879 | 839 | 233 | 15 | 241 |
| 211, 499 | Curtis, Henry M., assignor of one-half interest to F. P. Bogardus, Ypsilanti, Mich. Side-bar wagon | Jan. 21, 1879 | 494 | 140 | 15 | 66 |
| | Curtis, James P. (*See* Henkel, George H., assignor.) | | | | | |
| | Curtis, Jonathan S. (*See* Stannard, Reynolds & Curtis.) | | | | | |
| 219, 150 | Curtis, Judson J., Honesdale, Pa. Paint | Sept. 2, 1879 | 104 | ..... | 16 | 425 |
| 221, 724 | Curtis, Julius E., Ukiah, Cal. Whip | Nov. 18, 1879 | 681 | 190 | 16 | 924 |
| 220, 703 | Curtis, Orville H., Milwaukee, Wis. Fire-escape | Oct. 21, 1879 | 576 | 154 | 16 | 728 |
| | Curtis, Samuel T. (*See* Cotter, Richard, assignor.) | | | | | |
| 222, 776 | Curtis, William F., Erving, Mass. Machine for jointing and dressing the teeth of circular saws | Dec. 23, 1879 | 777 | 224 | 16 | 1146 |
| 220, 349 | Curtis, William L., Yates City, Ill. Hub-boring and box-setting machine | Oct. 7, 1879 | 153 | 41 | 16 | 655 |
| 213, 496 | Curtiss, Marshall S., assignor of two-thirds interest to J. B. Doyle and H. Phenix, Bradford, Ill. Tool-holder for grindstones | Mar. 25, 1879 | 837 | 237 | 15 | 430 |
| 216, 024 | Curtiss, Robert M., Brooklyn, N. Y. Safety device for elevators | June 3, 1879 | 22 | 6 | 15 | 887 |
| | Curwen, Charles F. (*See* Dinsmore, Alfred S., assignor.) | | | | | |
| 217, 449 | Curwen, Charles F., Salem, Mass. Grate-bar | July 15, 1879 | 598 | 171 | 16 | 100 |
| 220, 350 | Cushier, John R., Bellport, N. Y. Pump | Oct. 7, 1879 | 155 | 42 | 16 | 655 |
| 222, 250 | Same.....same | Dec. 2, 1879 | 157 | 40 | 16 | 1030 |
| 217, 997 | Cushing, Charles H., Tidioute, Pa. Flange-coupling | July 29, 1879 | 1225 | 350 | 16 | 198 |
| 218, 239 | Cushing, George H., Chicago, Ill, assignor to S. S. White, Philadelphia, Pa. Dental-engine hand piece and tool | Aug. 5, 1879 | 152 | 41 | 16 | 241 |
| 219, 849 | Same.....Dental-engine hand-piece | Sept. 23, 1879 | 915 | 253 | 16 | 557 |
| 215, 332 | Cushing, George W., Sedalia, Mo. Car-coupling | May 13, 1879 | 423 | 126 | 15 | 759 |
| | Cushing, John J. (*See* Cushing, William L. B. and J. J.) | | | | | |
| 219, 803 | Cushing, Nichols B., Jersey City, N. J. Hoisting apparatus | Sept. 23, 1879 | 871 | 240 | 16 | 551 |
| 216, 727 | Cushing, William L. B. and J. J., Prophetstown, assignors of one-third interest to H. S. Anguish, Sterling, Ill. Whiffletree-hook | June 24, 1879 | 828 | 236 | 15 | 1018 |
| 218, 861 | Cushman, Austin F., Hartford, Conn. Drill-chuck | Aug. 26, 1879 | 904 | 253 | 16 | 372 |
| 8, 875 | Cushman, Henry T., North Bennington, Vt. Rolling pocket-tablet (Reissue) | Sept. 2, 1879 | 323 | 91 | 16 | 453 |
| 219, 151 | Same.....Slate-pencil holder | Sept. 2, 1879 | 104 | 31 | 16 | 425 |
| 211, 383 | Custer, Christian, assignor to C. K. Bullock, Philadelphia, Pa. Grinding-mill | Jan. 14, 1879 | 366 | 105 | 15 | 47 |
| 217, 073 | Custer, John L., Bonaparte, Iowa. Ditching-machine | July 1, 1879 | 166 | 49 | 16 | 23 |
| 216, 947 | Cuthbert, George, Matteawan, assignor of one-half interest to C. H. and W. G. Kimball, Newburg, N. Y. Shuttle motion for looms | July 1, 1879 | 21 | 7 | 16 | 5 |
| 212, 840 | Cuthbert, William M., Pittsburg, Pa. Spring-link for draft tugs or traces | Mar. 4, 1879 | 68 | 20 | 15 | 306 |
| | Cutler, R. Henry. (*See* Alcorn, William, assignor.) | | | | | |
| 212, 838 | Cutler, Thomas O., Jersey City, N. J., assignor to self and A. Hirsh, New York, N. Y. Bone-grinding mill | Mar. 4, 1879 | 66 | 20 | 15 | 306 |
| 211, 384 | Cutler, William C., and F. V. Sandford, Chelsea, Mass., assignors of one-third interest to J. W. Bartlett, deceased (P. H. Bartlett, administratrix), New York, N. Y. Electric gas-lighting device | Jan. 14, 1879 | 367 | 106 | 15 | 47 |
| 220, 704 | Cutler, William C., Chelsea, Mass. Electric gas-lighting device | Oct. 21, 1879 | 577 | 154 | 16 | 728 |
| 222, 180 | Cutting, Edward P., and E. A. Leland, Holyoke, Mass., assignors to said Cutting. Stove-leg support | Dec. 2, 1879 | 72 | 17 | 16 | 1018 |
| 216, 557 | Cziner, Matyas, Stapleton, assignor of one-half interest to R. W. Procter, Richmond County, N. Y. Apparatus for making extracts and distilling liquids | June 17, 1879 | 628 | 178 | 15 | 981 |
| 218, 862 | Cziner, Max, assignor of one-half interest to W. Robinson, Middletown, N. Y. Vaporizing apparatus | Aug. 26, 1879 | 905 | 253 | 16 | 372 |
| 217, 778 | Daboll, Garrett C., Buffalo, N. Y. Eyeglass | July 22, 1879 | 968 | 278 | 16 | 158 |
| 211, 710 | Dabus, John, Piqua, Ohio. Draft-spring | Jan. 28, 1879 | 751 | 210 | 15 | 103 |
| 211, 711 | Dahl, Rudolph, assignor of one-half interest to W. Humpert, Berlin, Prussia, Germany. Meat-chopping machine | Jan. 28, 1879 | 752 | 211 | 15 | 103 |
| 222, 251 | Dackus, William S., assignor to H. Payton, Birmingham, Warwick County, Great Britain. Manufacture of door-knobs | Dec. 2, 1879 | 159 | 41 | 16 | 1030 |
| 215, 333 | Da Cunha, George W., New York, N. Y. Drawing-board | May 13, 1879 | 424 | 126 | 15 | 759 |
| 216, 662 | Same.....same | June 17, 1879 | 741 | 211 | 15 | 997 |
| | Dacy, Erastus. (*See* Forster, William E., assignor.) | | | | | |
| 221, 670 | Daft, Leo, Troy, N. Y. Camera-screen attachment | Nov. 18, 1879 | 616 | 173 | 16 | 915 |
| 223, 117 | Dague, England D., Monroeville, Ind. Road scraper and leveler | Dec. 30, 1879 | 1179 | 332 | 16 | 1212 |
| | Dailey, Charles M. (*See* Howe, Solon G., assignor.) | | | | | |
| 215, 579 | Daily, Samuel J., Carthage, Mo. Bed | May 20, 1879 | 710 | 207 | 15 | 807 |
| 222, 467 | Daimler, Gottlieb W., Deutz-on-Rhine, Germany. Gas-motor engine | Dec. 9, 1879 | 410 | 116 | 16 | 1074 |
| 217, 202 | Dains, Fred. S., Flint, Mich. Sash-fastener | July 8, 1879 | 319 | 94 | 16 | 52 |
| 211, 297 | Dale, William, New York, N. Y. Illuminating-tile for covering vaults, &c | Jan. 14, 1879 | 258 | 75, 76 | 15 | 34 |
| 222, 871 | Same.....Pluminating vault and area cover | Dec. 23, 1879 | 888 | 255 | 16 | 1162 |
| 211, 889 | Daley, Michael, Waterman, Ill. Hand-cart | Feb. 4, 1879 | 75 | 22 | 15 | 135 |
| 222, 252 | Daley, Robert H., Napa, Cal. Handcuff | Dec. 2, 1879 | 159 | 41 | 16 | 1030 |
| 214, 891 | Daloz, Lawrence H., New York, N. Y., assignor to J. Bowers, Newark, N. J. Corset-clasp | Apr. 29, 1879 | 1378 | 383 | 15 | 680 |
| 221, 789 | Dalton, Milton A., Cincinnati, Ohio. Time-lock | Nov. 18, 1879 | 752 | 210, 211, 212, 213 | 16 | 934 |

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| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 221, 790 | Dalton, Milton A., Cincinnati, Ohio. Permutation-lock | Nov. 18, 1879 | 766 | 214 | 16 | 934 |
| 218, 940 | Daly, Charles W., Brooklyn, N. Y. Lamp-stove oven | Aug. 26, 1879 | 989 | 278 | 16 | 384 |
| 214, 631 | Daly, Guy D., Flathush, N. Y. Steam-boiler | Apr. 22, 1879 | 1077 | 302 | 15 | 635 |
| 216, 512 | Dalzell, David, South Egremont, Mass. Spring-washer for vehicle-axles | June 17, 1879 | 582 | 166 | 15 | 975 |
| 216, 837 | Same.....Die for making axle-boxes | June 24, 1879 | 958 | 272 | 15 | 1034 |
| 211, 973 | Dalzell, Samuel M., assignor of one-half interest to Wheeler Iron Company, Sharon, Pa. Metallic roofing | Feb. 4, 1879 | 172 | 49 | 15 | 148 |
| 217, 730 | Damaschky, Charles G., Brooklyn, N. Y. Station-indicator | July 22, 1879 | 925 | 265 | 16 | 152 |
| 217, 515 | Dame, George, Minneapolis, Minn. Clothes-drier | July 15, 1879 | 665 | 189 | 16 | 109 |
| 222, 253 | Dana, Lester D., assignor of one-half interest to B. F. Dorr, Waupaca, Wis. Sickle-holder for grinding-machines | Dec. 2, 1879 | 160 | 41 | 16 | 1030 |
| 221, 791 | Danahey, Thomas, Council Bluffs, Iowa. Wagon-cover | Nov. 18, 1879 | 770 | 215 | 16 | 935 |
| 216, 948 | Dancel, Christian, New York, and E. C. Smith, Brooklyn, N. Y. Leather-skiving machine | July 1, 1879 | 23 | 7, 8 | 16 | 5 |
| 212, 199 | Dane, Joseph C., La Crosse, Wis. Millstone-driver | Feb. 11, 1879 | 442 | 121 | 15 | 184 |
| | Danforth, Delos A., *et al.* (*See* Gilchrist, Jerome E., assignor.) | | | | | |
| 217, 345 | Dangerfield, Francis S., Auburn, N. Y. Match-box | July 8, 1879 | 470 | 137 | 16 | 72 |
| 215, 268 | Daniel, Edwin S., Butler, Mo. Sulky-plow | May 13, 1879 | 347 | 101 | 15 | 749 |
| 222, 816 | Daniel, William F., Mount Vernon, Ill. Nail-counter | Dec. 23, 1879 | 823 | 236 | 16 | 1153 |
| 218, 429 | Daniels, Charles J., Lebanon, N. H. Combination harrow and plow | Aug. 12, 1879 | 374 | 102 | 16 | 281 |
| 213, 631 | Daniels, Enos C., Lyons, Ohio. Windmill-regulator | Mar. 25, 1879 | 984 | 279 | 15 | 448 |
| 215, 580 | Daniels, Henry H., Philadelphia, Pa. Combined latch and lock | May 20, 1879 | 711 | 207, 208 | 15 | 807 |
| 218, 240 | Daniels, Julius A., Anderson Court-House, S. C. Burglar-alarm | Aug. 5, 1879 | 154 | 41 | 16 | 241 |
| 221, 912 | Daniels, Nathan A., Franklin, Mass. Machine for sawing trees | Nov. 25, 1879 | 917 | 257 | 16 | 965 |
| 218, 497 | Daniels, Taylor E., Chicago, Ill. Combined steam feed cooker and drier | Aug. 12, 1879 | 456 | 127 | 16 | 292 |
| 211, 290 | Dann, Isaac N., assignor to New Haven Folding Chair Company, New Haven, Conn. Folding chair | Jan. 7, 1879 | 234 | 68 | 15 | 30 |
| 215, 581 | Dann, Isaac N., New Haven, Conn. Folding rocking-chair | May 20, 1879 | 713 | 208 | 15 | 807 |
| 212, 903 | Danner, John, Canton, Ohio. Book-case | Mar. 4, 1879 | 152 | 42 | 15 | 316 |
| 214, 112 | Danzenbaker, Francis, Bridgeton, N. J. Adjustable gate | Apr. 8, 1879 | 455 | 129 | 15 | 537 |
| 219, 804 | Same.....same | Sept. 23, 1879 | 872 | 241 | 16 | 551 |
| 219, 697 | Dare, Benjamin F., Saint Louis, Mo. Couch | Sept. 16, 1879 | 739 | 204 | 16 | 524 |
| | Darling, Brown & Sharpe. (*See* Sharpe, Lucian, assignor.) | | | | | |
| 213, 038 | Darling, George S., assignor to Wilson Sewing Machine Company, Chicago, Ill. Sewing-machine | Mar. 11, 1879 | 323 | 90, 91 | 15 | 346 |
| 220, 223 | Darozir, Levi, and L. Dien, Natick, Mass. Heel-rand slab | Oct. 7, 1879 | 14 | 4 | 16 | 637 |
| 220, 351 | Darrach, Samuel A., Newark, N. J. Nursing-bottle | Oct. 7, 1879 | 156 | 42 | 16 | 656 |
| 213, 096 | Darragh, John H., San Francisco, Cal. Rotary steam-engine | Mar. 11, 1879 | 398 | 110 | 15 | 356 |
| 216, 314 | Darrow, Robert C., Roslyn, N. Y. Cider-mill | June 10, 1879 | 347 | 101 | 15 | 936 |
| 211, 135 | Dathis, Léon, Paris, France. Running-gear for carriages | Jan. 7, 1879 | 64 | 20 | 15 | 8 |
| 215, 889 | D'Aubigné, Bartolo L., Waterbury, Conn. Tubular rivet | May 27, 1879 | 1056 | 308 | 15 | 869 |
| 213, 395 | Daul, John, assignor to J. K. Anderson and A. P. W. Grass, Buffalo, N. Y. Apparatus for rectifying petroleum | Mar. 18, 1879 | 730 | 205 | 15 | 408 |
| 221, 534 | Davenport, Franklin E., Auburn, Ind. Apparatus for filling capsules | Nov. 11, 1879 | 468 | 128 | 16 | 885 |
| 8, 986 | Davenport, Frederick S., Jerseyville, Ill., assignor to R. Newton. Gang-plow. (Reissue) | Dec. 2, 1879 | 258 | 70, 71 | 16 | 1044 |
| 215, 334 | Davenport, Nelson, Troy, N. Y. Hand-car | May 13, 1879 | 425 | 126 | 15 | 769 |
| 218, 499 | Davey, John, Philadelphia, Pa., assignor of one-half interest to M. Altman, Camden, N. J. Suspender-pulley | Aug. 12, 1879 | 459 | 128 | 16 | 293 |
| 215, 102 | Davey, Thomas N., Carthage, Mo. Hoisting-machine | May 6, 1879 | 132 | 39 | 15 | 719 |
| 222, 675 | Same.....same | Dec. 16, 1879 | 665 | 190 | 16 | 1120 |
| 222, 872 | David, Jacob, Brooklyn, N. Y. Mechanical movement | Dec. 23, 1879 | 889 | 255 | 16 | 1162 |
| | Davids, Francis H. (*See* Duffy & Davids.) | | | | | |
| 212, 904 | Davids, John B., New York, N. Y. Mucilage-brush | Mar. 4, 1879 | 153 | 42 | 15 | 316 |
| | Davidson Brothers. (*See* Heely, James, James L., assignor.) | | | | | |
| | Davidson, J. H., *et al.* (*See* Savill, Edward, assignor.) | | | | | |
| 219, 920 | Davidson, Otis E., Clarksville, Tenn. Paper-bag machine | Sept. 23, 1879 | 992 | 276, 277 | 16 | 568 |
| 220, 352 | Davidson, William J., Big Spring, Va. Shovel-plow | Oct. 7, 1879 | 157 | 42 | 16 | 656 |
| | Davie, Pascal. (*See* Goodwyn, George W., assignor.) | | | | | |
| 213, 633 | Davies, Addison M., and F. R. Hewitt, Lynchburg, Va. Combined level, bevel, and square | Mar. 25, 1879 | 986 | 280 | 15 | 449 |
| | Davies, Edward. (*See* Hamer, Metcalfe & Davies.) | | | | | |
| 213, 811 | Davies, Edward, Brooklyn, N. Y. Crutch for clock-pendulums | Apr. 1, 1879 | 90 | 28 | 15 | 484 |
| | Davies, Henry J. (*See* Davies, Walter D., assignor.) | | | | | |
| 214, 632 | Davies, Henry J., Brooklyn, N. Y., assignor to self and W. D. Davies, Ansonia, Conn. Table-caster or cruet-stand | Apr. 22, 1879 | 1078 | 302 | 15 | 635 |
| 218, 863 | Davies, James, and F. B. Chidester, assignors of one-third interest to L. H. Broome, Jersey City, N. J. Lathes for turning and molding balusters | Aug. 26, 1879 | 905 | 253 | 16 | 372 |
| 220, 582 | Davies, John O., J. O. Jones, and T. Thomas; said Jones assignor to said Davies, and said Thomas assignor to H. C. Magee, Plymouth, Pa. Miner's lamp | Oct. 14, 1879 | 438 | 113 | 16 | 701 |
| 215, 511 | Davies, John P., assignor of two-thirds interest to Evans & Loughlin, Chicago, Ill. Meat-tenderer | May 20, 1879 | 632 | 184 | 15 | 796 |
| 221, 792 | Davies, Richard O., Newark, N. J. Shirt | Nov. 18, 1879 | 770 | 215 | 16 | 935 |
| | Davies, Robert N., *et al.* (*See* Schaefer, John A., assignor.) | | | | | |
| | Davies, Walter D. (*See* Davies, Henry J., assignor.) | | | | | |
| 219, 226 | Davies, Walter D., Ansonia, Conn., assignor to self and H. J. Davies, Brooklyn, N. Y. Back-action for striking-movements of clocks | Sept. 2, 1879 | 194 | 57 | 16 | 437 |
| 8, 548 | Davies, William O., Chicago, Ill. Car-door (Reissue) | Jan. 21, 1879 | 636 | 178 | 15 | 84 |
| 219, 922 | Davis, Albert J., Newark, N. J. Friction gear-wheel | Sept. 23, 1879 | 996 | 277 | 16 | 568 |
| 212, 995 | Davis, Ambrose L. and L. A., Binghamton, N. Y. Vehicle-spring | Mar. 4, 1879 | 154 | 43 | 15 | 316 |
| 219, 921 | Davis, Amos, Stuart, Iowa. Table for holding broom-straw | Sept. 23, 1879 | 995 | 277 | 16 | 568 |
| 8, 768 | Davis, Andrew J., Pittsburg, Pa., assignor, by mesne assignments, to Ives, Blakeslee & Co., New York, N. Y. Spinning-top (Reissue) | June 24, 1879 | 1064 | 301 | 15 | 1048 |
| 213, 632 | Davis, Augustus B. and T. C., assignors of one-third interest to W. B. Kinsey, Philadelphia, Pa. Dumping-wagon | Mar. 25, 1879 | 985 | 280 | 15 | 448 |
| 215, 510 | Same.....Apparatus for delivering coal | May 20, 1879 | 631 | 184 | 15 | 796 |
| | Davis, Augustus B., assignor of one-half interest to W. B. Whitney, Philadelphia, Pa. | | | | | |
| 221, 036 | Car-spring | Oct. 28, 1879 | 984 | 261 | 16 | 799 |
| | Davis, Benjamin A., Petersburg, Va. Elastic driving-rein | Dec. 9, 1879 | 412 | 116 | 16 | 1074 |
| 222, 468 | Davis, Charles F., assignor of one-half interest to W. Allen, Auburn, N. Y. Grain-drill | Feb. 18, 1879 | 847 | 235 | 15 | 242 |
| 8, 589 | Davis, Clinton B. (*See* Carlson, Fredric O., assignor.) | | | | | |
| 218, 498 | Davis, Dabney C. T., Greenwood, Va. Hat-shade | Aug. 12, 1879 | 458 | 128 | 16 | 293 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 217, 074 | Davis, Daniel J., Red Boiling Springs, Tenn. Combined table and safe | July 1, 1879 | 168 | 49 | 16 | 24 |
| | Davis, David. (*See* Luke & Davis.) | | | | | |
| 215, 582 | Davis, David, Nebraska, Ohio. Grave protector or shield | May 20, 1879 | 714 | 208 | 15 | 807 |
| 220, 915 | Davis, David W., Detroit, Mich. Refrigerator | Oct. 28, 1879 | 826 | 221 | 16 | 770 |
| | Davis, Edward P., *et al.* (*See* Heckmann, Louis, assignor.) | | | | | |
| | Davis, Ernest J. S. (*See* Smith & Davis.) | | | | | |
| | Davis, Franklin T. (*See* Swift, Frederick, assignor.) | | | | | |
| 212, 200 | Davis, George, Milford, Mich. Straw-band attachment for grain-binders | Feb. 11, 1879 | 442 | 121 | 15 | 185 |
| 221, 725 | Davis, George D., Jersey City, N. J. Retort and furnace for calcining bones | Nov. 18, 1879 | 682 | 190 | 16 | 924 |
| | Davis Iron Wheel Company. (*See* Davis, Robert W., assignor.) | | | | | |
| 218, 942 | Davis, Isaac, Trenton, N. J. Dish of pottery-ware | Aug. 26, 1879 | 991 | 278 | 16 | 385 |
| 217, 203 | Davis, Henry T., Sherman, Tex. Quilting-frame | July 8, 1879 | 319 | 94 | 16 | 52 |
| 217, 204 | Same.....Machine for cutting shingles | July 8, 1879 | 320 | 945 | 16 | 52 |
| 218, 667 | Same.....Churn | Aug. 19, 1879 | 659 | 186 | 16 | 329 |
| 211, 228 | Davis, Horace B., Lexington, Mass. Weather-strip | Jan. 7, 1879 | 166 | 49 | 15 | 22 |
| 219, 348 | Davis, James A., Henderson, Ala. Water-wheel | Sept. 9, 1879 | 344 | 98 | 16 | 464 |
| 216, 157 | Davis, Joel H., Templeton, Mass. Razor-strop | June 3, 1879 | 155 | 46 | 15 | 904 |
| 222, 254 | Davis, John K., assignor to W. C. Allison & Co., Philadelphia, Pa. Portable railway | Dec. 2, 1879 | 161 | 41 | 16 | 1030 |
| 216, 606 | Davis, John R., Sun Prairie, Wis. Portable roof for sheltering grain | June 17, 1879 | 686 | 196 | 15 | 989 |
| 212, 664 | Davis, John T., San Francisco, Cal. Grinding and pulverizing-mill | Feb. 25, 1879 | 995 | 276 | 15 | 269 |
| 217, 075 | Same.....same | July 1, 1879 | 169 | 49 | 16 | 24 |
| 217, 450 | Davis, Jonathan D., assignor to C. F. Putnam, Fitchburg, Mass. Pipe-tongs | July 15, 1879 | 599 | 171 | 16 | 100 |
| 216, 558 | Davis, Joseph, Philadelphia, Pa. Bleaching oils and fats | June 17, 1879 | 630 | ..... | 15 | 981 |
| | Davis, Joseph N. (*See* Davis, Ruel, W., assignor.) | | | | | |
| 214, 113 | Davis, Levi, jr., Big Rock, Ill. Cultivator | Apr. 8, 1879 | 456 | 129 | 15 | 537 |
| | Davis, Levi A. (*See* Davis, Ambrose L. and L. A.) | | | | | |
| | Davis, Lloyd L. (*See* Smith, William, assignor.) | | | | | |
| 214, 892 | Davis, Montgomery R., Jackson, Mich. Sample-case | Apr. 29, 1879 | 1379 | 383 | 15 | 680 |
| | Davis, Moses. (*See* Chase, Benjamin F., assignor.) | | | | | |
| 217, 001 | Davis, Nathan R., Freetown, Mass. Fire-arm | July 1, 1879 | 78 | 24 | 16 | 12 |
| | Davis, O. F. (*See* Borton, Stockton, assignor.) | | | | | |
| 221, 448 | Davis, Alonzo F., and J. M. Grenalds, Normandy, Mo. Combined vise and anvil | Nov. 11, 1879 | 359 | 99 | 16 | 871 |
| 212, 445 | Davis, Rachel, Omaha, Nebr. Coffee-roaster | Feb. 18, 1879 | 734 | 202 | 15 | 226 |
| 217, 998 | Davis, Ruel W., assignor of one-half interest to J. N. Davis, Taunton, Mass. Weather-strip | July 29, 1879 | 1225 | 350 / 351 | 16 | 198 |
| 214, 633 | Davis, Robert W., assignor to Davis Iron Wheel Company, Elmira, N. Y. Running-gear for wagons | Apr. 22, 1879 | 1079 | 303 | 15 | 635 |
| 214, 372 | Davis, Samuel B., Hamburg, Iowa, assignor to self and G. Sproul. Rotary engine | Apr. 15, 1879 | 776 | 218 / 219 | 15 | 588 |
| 217, 347 | Davis, Samuel L., assignor of one-half interest to C. Aultman & Co., Canton, Ohio. Tube cutter or trimmer | July 8, 1879 | 473 | 138 | 16 | 72 |
| | Davis, Samuel S. (*See* Davis, Thomas B. and S. S.) | | | | | |
| 217, 346 | Davis, Samuel S. and T. B., Rock Island, Ill. Automatic feed for boilers | July 8, 1879 | 472 | 137 | 16 | 72 |
| | Davis, Thomas B. (*See* Davis, Samuel S., and T. B.) | | | | | |
| 218, 941 | Davis, Thomas B. and S. S., Rock Island, Ill. Steam-trap | Aug. 26, 1879 | 989 | 278 | 16 | 384 |
| | Davis, Thomas C. (*See* Davis, Augustus B. and T. C.) | | | | | |
| 217, 590 | Davis, William, assignor to E. N. Heney, Montreal, Canada. Adjustable top for carriages | July 15, 1879 | 752 | 214 | 16 | 120 |
| 215, 269 | Davis, William C., Cincinnati, Ohio. Fire-pot for stoves and furnaces | May 13, 1879 | 348 | 101 | 15 | 749 |
| 218, 367 | Same.....Stove | Aug. 12, 1879 | 302 | 83 | 16 | 272 |
| 221, 793 | Same.....Door for stoves and ranges | Nov. 18, 1879 | 771 | 215 | 16 | 935 |
| 213, 497 | Davis, William H., Minneapolis, Minn. Harvester finger-bar | Mar. 25, 1879 | 838 | 237 | 15 | 430 |
| | Davis, William L. (*See* Hodges, Addison S., assignor.) | | | | | |
| 213, 097 | Davis, Zebulon, Canton, Ohio. Vapor-burner | Mar. 11, 1879 | 399 | 111 | 15 | 356 |
| 215, 890 | Same.....same | May 27, 1879 | 1057 | 308 | 15 | 860 |
| 221, 535 | Davison, George C., Tyrone, Pa. Clothes-tongs | Nov. 11, 1879 | 469 | 128 | 16 | 885 |
| 211, 890 | Davison, Joseph K., Philadelphia, Pa. Curtain-fixture | Feb. 4, 1879 | 76 | 22 | 15 | 135 |
| 218, 943 | Davison, Malon, Croton, Iowa. Steam-engine | Aug. 26, 1879 | 991 | 278 | 16 | 385 |
| | Davison, S. H. (*See* Drury, George H., assignor.) | | | | | |
| | Davol, Joseph. (*See* Perkins & Davol.) | | | | | |
| 216, 083 | Davy, Robert B., Cincinnati, Ohio. Ventilation | June 3, 1879 | 83 | 24 | 15 | 895 |
| 8, 992 | Dawes, Alfred, Chelsea, Mass., assignor, by mesne assignments, to Lacing Stud Company, New Haven, Conn. Lacing-stud for boots and shoes (Reissue) | Dec. 9, 1879 | 527 | 148 | 16 | 1090 |
| 221, 794 | Dawson, George W., assignor to E. Over, Indianapolis, Ind. Pump | Nov. 18, 1879 | 772 | 215 | 16 | 934 |
| 221, 159 | Dawson, Patrick C., Providence, R. I. Trumpet for railway-heads | Nov. 4, 1879 | 23 | 6 | 16 | 815 |
| 216, 315 | Dawson, Richard L., Lowell, Mich. Tilting gate | June 10, 1879 | 348 | 102 | 15 | 936 |
| 221, 037 | Dawson, Rodman B., Brooklyn, N. Y. Elevator | Oct. 28, 1879 | 984 | 261 | 16 | 790 |
| 218, 430 | Day, Augusta M., Boston, Mass. Garment-stiffener | Aug. 12, 1879 | 375 | 103 | 16 | 282 |
| 220, 812 | Day, Augustus, Detroit, Mich. Snow-plow | Oct. 21, 1879 | 707 | 187 | 16 | 745 |
| 214, 493 | Day, Benjamin, West Hoboken, N. J. Printing-film | Apr. 22, 1879 | 915 | 258 | 15 | 614 |
| | Day, Charles G. (*See* Day, Frank M., assignor.) | | | | | |
| 8, 590 | Day, Charles T., Newark, N. J., assignor, by mesne assignments, to E. Spaeth. Skate (Reissue) | Feb. 18, 1879 | 849 | 236 | 15 | 242 |
| | Day, Edward M. (*See* Hutchinson, Jeremiah F., assignor.) | | | | | |
| | Day, Farrington & Co. (*See* Day, John W., assignor.) | | | | | |
| 215, 211 | Day, Frank M., assignor of one-half interest to C. G. Day, New Harmony, Ohio. Horse-detacher | May 13, 1879 | 281 | 82 | 15 | 741 |
| 214, 114 | Day, George W., Haverhill, Mass. Last | Apr. 8, 1879 | 457 | 129 | 15 | 537 |
| 220, 583 | Same.....Machine-sewed boot and shoe | Oct. 14, 1879 | 439 | 113 | 16 | 701 |
| | Day, Hugh T. (*See* Miller, George W., assignor.) | | | | | |
| 216, 316 | Day, John W., assignor to Day, Farrington & Co., New York, N. Y. Latch | June 10, 1879 | 349 | 102 | 15 | 936 |
| 217, 348 | Day, Mary A., Brooklyn, N. Y. Abdominal corset | July 8, 1879 | 474 | 138 | 16 | 72 |
| 219, 805 | Day, Willard G., Baltimore, Md. Electric signaling apparatus | Sept. 23, 1879 | 873 | 241 | 16 | 551 |
| | Deacon, James. (*See* Deacon, Samuel and J.) | | | | | |
| 212, 447 | Deacon, Samuel and J., Lawrence, Mass. Treating pulp-stock for paper-making | Feb. 18, 1879 | 737 | 203 | 15 | 227 |
| 221, 038 | Deakin, Thomas J., Columbia, Pa., assignor of two-thirds interest to W. T. Block, Hannibal, Mo. Welding together bars of bessemer steel | Oct. 28, 1879 | 986 | 261 | 16 | 790 |
| 214, 283 | Deal, Henry J., Bucyrus, Ohio. Microscope for examining flour and bolting-cloths | Apr. 15, 1879 | 663 | 185 | 15 | 574 |
| 219, 391 | Deal, Horace, Bucyrus, Ohio. Millstone-polisher | Sept. 9, 1879 | 395 | 110 | 16 | 470 |
| 219, 227 | Deal, Josiah J., Massillon, assignor to W. M. Johnston, Wilmot, Ohio. Cultivator | Sept. 2, 1879 | 195 | 57 | 16 | 437 |
| 221, 536 | Dean, Alonzo O., Bethel, Vt. Gate | Nov. 11, 1879 | 470 | 128 | 16 | 885 |
| 215, 583 | Dean, Cyrus S., Crowland, Ontario, Canada, assignor to C. H. Vibbard and N. L. Zabriskie, Aurora, N. Y. Fire-stop for steam-boiler flues | May 20, 1879 | 714 | 208 | 15 | 807 |
| 215, 891 | Dean, George W., New York, N. Y. Wash-basin | May 27, 1879 | 1059 | 309 | 15 | 860 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 219, 698 | Dean, Hamilton A., New Lebanon Centre, N. Y. Pawl and ratchet mechanism for mowing-machines | Sept. 16, 1879 | 740 | 205 | 16 | 524 |
| 221, 537 | Dean, John C., Indianapolis, Ind. Valve-gear | Nov. 11, 1879 | 470 | 128 | 16 | 886 |
| 219, 390 | Dean, Levi F., New Milford, Pa. Fluting-iron | Sept. 9, 1879 | 394 | 109, 110 | 16 | 470 |
| 213, 549 | Dean, Louis P., Corry, Pa. Table-leg | Mar. 25, 1879 | 896 | 256 | 15 | 437 |
| 215, 441 | Dean, William B., New York, N. Y. Combined pepper and salt caster | May 20, 1879 | 550 | 161 | 15 | 785 |
| 212, 446 | Deane, Francis B., Lynchburg, Va. Apparatus for pressing tobacco | Feb. 18, 1879 | 735 | 202, 203 | 15 | 226 |
| 215, 212 | Deane, Royal E., New York, N. Y. Grate | May 13, 1879 | 281 | 82 | 15 | 741 |
| 220, 705 | Dearborn, Charles A., assignor to C. E. Tuerk, Chicago, Ill. Scroll-saw | Oct. 21, 1879 | 579 | 154 | 16 | 729 |
| 221, 160 | Dearden, John R. and W. J., Saxonville, Mass. Station-indicator | Nov. 4, 1879 | 25 | 7 | 16 | 816 |
| | Dearden, William J. (*See* Dearden, John R. and W. J.) | | | | | |
| 216, 716 | De Baillehache, Eugene J. J., Paris, France. Railway-car telegraph | June 24, 1879 | 815 | 233 | 15 | 1017 |
| 215, 861 | De Bary, Adolphe, assignor of two-thirds interest to F. De Bary, New York, and L. Sauveur, Brooklyn, N. Y. Desk | May 27, 1879 | 1029 | 300 | 15 | 857 |
| | De Bary, Frederick, *et al.* (*See* De Bary, Adolphe, assignor.) | | | | | |
| 213, 860 | De Beauregard, Felix A. T., assignor of two-thirds interest to L. Mathieu and E. E. Chazeret, Paris, France. Vapor or gas engine | Apr. 1, 1879 | 142 | 42 | 15 | 491 |
| | De Besaucèle, Louis A. (*See* Tribonillet & De Besaucèle.) | | | | | |
| 220, 518 | De Buigne, Josef F., Gratz, Austria, Hungary. Rotary hand-stamp | Oct. 14, 1879 | 352 | 93 | 16 | 691 |
| 221, 398 | De Bus, Henry, Cincinnati, Ohio. Manufacturer of casks | Nov. 11, 1879 | 305 | ..... | 16 | 863 |
| | De Canterac y Dominguer, José. (*See* Reinlein y Sequera and De Canterac y Dominguer.) | | | | | |
| | Decastro, Jacob W. (*See* Lugo, Orazio, assignor.) | | | | | |
| | Decker, George W., *et al.* (*See* Atkinson, Mahlon B., assignor) (Reissue.) | | | | | |
| | Same (*See* Hann & Atkinson, assignors.) | | | | | |
| | Decker, James. (*See* Thatcher & Decker.) | | | | | |
| 222, 873 | Decker, John, Ogdensburg, N. J., assignor to W. S. Burnham, Ashtabula, Ohio. Burglar-alarm | Dec. 23, 1879 | 890 | 256 | 16 | 1162 |
| 220, 965 | Decombe, Joseph, San Francisco, Cal. Hinge for double doors | Oct. 28, 1879 | 894 | 239 | 16 | 779 |
| 8, 919 | De Coppet, Francis V., New Orleans, La. Process and apparatus for making ice. (Reissue) | Sept. 30, 1879 | 1355 | 373 | 16 | 626 |
| 217, 002 | Decrow, Anson W., Bangor, Me. Securing metallic gutter-hinges | July 1, 1879 | 79 | 24 | 16 | 12 |
| 222, 986 | Dederick, Ezra, Milwaukee, Wis. Sulky grain-binder | Dec. 30, 1879 | 1023 | 293 | 16 | 1192 |
| | Dederick, Peter K. (*See* Howell, John, assignor.) | | | | | |
| 213, 280 | Dederick, Peter K., Albany, N. Y. Baling-press | Mar. 18, 1879 | 610 | 172 | 15 | 392 |
| 213, 742 | Same.....Horse-power | Apr. 1, 1879 | 13 | 5 | 15 | 474 |
| 214, 282 | Same.....Baling-press | Apr. 15, 1879 | 662 | 185 | 15 | 574 |
| 215, 213 | Same.....Horse-power | May 13, 1879 | 282 | 83 | 15 | 741 |
| 215, 214 | Same .....same | May 13, 1879 | 283 | 83 | 15 | 741 |
| 8, 737 | Same.....Baling-press (Reissue) | June 3, 1879 | 267 | 79 | 15 | 918 |
| 220, 813 | Deeble, John, Southington, Conn. Ox-shoe-blank bar | Oct. 21, 1879 | 708 | 188 | 16 | 745 |
| 212, 593 | Deeley, John, Birmingham, and J. S. Edge, jr., Yardley, England. Breech-loading fire-arm | Feb. 25, 1879 | 925 | 256 | 15 | 260 |
| | Deere & Co. (*See* Moore, Gilpin, assignor.) | | | | | |
| | Deere & Mansur Company. (*See* Runstetler, Andrew, assignor) (Reissue.) | | | | | |
| 219, 228 | Deering, Mark L., assignor of one-half interest to G. H. Hopper, Cleveland, Ohio. Barrel-trussing machine | Sept. 2, 1879 | 195 | 58 | 16 | 437 |
| | Deering, William. (*See* Olin, William F., assignor.) | | | | | |
| 220, 353 | Dees, Mark A., Scranton, Miss. Truck for loading locomotive-tenders | Oct. 7, 1879 | 158 | 42 | 16 | 656 |
| 213, 884 | De Faber, Lothaire, Stein, near Nurnberg, Germany. Pencil | Apr. 1, 1879 | 167 | 49 | 15 | 494 |
| | Defiance Machine Works. (*See* Seymour, Charles, assignor.) | | | | | |
| 222, 255 | De Force, Samuel A., and W. V. McConnell, Crockett, Tex. Cotton scraper, chopper, and dirter | Dec. 2, 1879 | 162 | 42 | 16 | 1031 |
| 213, 179 | De Forest, Thomas B., Birmingham, Conn. Bending thin sheets of wood | Mar. 11, 1879 | 493 | 137 | 15 | 368 |
| 212, 665 | Defreest, Jerome E., Troy, N. Y. Journal-box | Feb. 25, 1879 | 996 | 276 | 15 | 269 |
| | Degler, Antony, *et al.* (*See* Maguire, George W., assignor.) | | | | | |
| 218, 618 | De Good, Joseph L., Massillon, Ohio. Organ | Aug. 19, 1879 | 608 | 171 | 16 | 322 |
| 213, 812 | De Grange, Daniel W. F., Baltimore, Md. Railway signal-lantern | Apr. 1, 1879 | 91 | 28 | 15 | 484 |
| | Dehmlow, Johann, *et al.* (*See* Martens, Friedrich, assignor.) | | | | | |
| | Dehnel, Louis O. (*See* Heimlich & Dehnel.) | | | | | |
| 219, 229 | Deisher, Alfred, Fleetwood, Pa. Harrow | Sept. 2, 1879 | 198 | 59 | 16 | 437 |
| | Deisher, Franklin E., *et al.* (*See* Snell, Jasper, assignor.) | | | | | |
| 222, 874 | Deitzler, George W., San Francisco, Cal. Fruit-drier | Dec. 23, 1879 | 891 | 256, 257 | 16 | 1162 |
| | De La Haye, Charles M. (*See* Renard & De La Haye.) | | | | | |
| | Delamater, Cornelius H., *et al.* (*See* Meyer, George F., assignor.) | | | | | |
| 215, 942 | De La Mux, Pierre A., Honolulu, Sandwich Islands. Saddle-stirrup | May 27, 1879 | 1114 | 323 | 15 | 867 |
| | De La Vergne, John C. (*See* Gillette, King C., assignor.) | | | | | |
| | Same (*See* Mixer & De La Vergne.) | | | | | |
| 8, 841 | Delmage, Christopher L., Woonsocket, R. I. Fire-extinguisher (Reissue) | Aug. 12, 1879 | 584 | 164 | 16 | 310 |
| 216, 025 | Delong, Benjamin, Caughdenoy, N. Y. Seeding-machine | June 3, 1879 | 23 | 6 | 15 | 888 |
| 212, 133 | Demarest, John, New York, N. Y. Valve for water-closet cisterns | Feb. 11, 1879 | 364 | 99 | 15 | 175 |
| 213, 324 | Same..... Valve for water-closets | Mar. 18, 1879 | 658 | 186 | 15 | 398 |
| 221, 217 | Demarest, John, assignor to J. L. Mott Iron Works, New York, N. Y. Hopper water-closet | Nov. 4, 1879 | 85 | 22 | 16 | 824 |
| 222, 875 | Domarest, Walden M., Waverly, N. Y. Umbrella-holder for vehicles | Dec. 23, 1879 | 892 | 257 | 16 | 1163 |
| 222, 676 | Dembrun, Antoine B., New Orleans, La. Portable furnace | Dec. 16, 1879 | 666 | 191 | 16 | 1120 |
| | Deming, Frank. (*See* Bacher & Deming.) | | | | | |
| 211, 461 | Deming, Frank, assignor to self and P. Bacher, Allegheny, Pa. Bosom-board | Jan. 21, 1879 | 457 | 129 | 15 | 62 |
| 215, 048 | Deming, Philander, Albany, N. Y. Type-writing machine | May 6, 1879 | 72 | 22 | 15 | 712 |
| 211, 136 | Demond, George W. and L., Brooklyn, N. Y. Chimney-top | Jan. 7, 1879 | 64 | 20 | 15 | 9 |
| | Demond, Louis. (*See* Demond, George W. and L.) | | | | | |
| 220, 061 | Dempsey, James, Lewiston, Me. Device for preventing journals from heating | Sept. 30, 1879 | 1169 | 322 | 16 | 600 |
| 215, 584 | Denais, Joseph A., Jersey City, N. J., assignor to Silberberg Brothers, New York, N. Y. Gage for applying lace to goods | May 20, 1879 | 715 | 209 | 15 | 807 |
| 219, 075 | Denham, Alexander M., Philadelphia Pa. Dental plugger | Sept. 2, 1879 | 20 | 7 | 16 | 415 |
| | Denham, Edward. (*See* Denham, Thomas M. and E.) | | | | | |
| 222, 022 | Denham, Perry, Parsons, Kans. Velocipede | Nov. 25, 1879 | 1035 | 290 | 16 | 980 |
| 215, 442 | Denham, Thomas M. and E., New Bedford, Mass. Shirt | May 20, 1879 | 551 | 161 | 15 | 786 |
| 221, 287 | Same.....same | Nov. 4, 1879 | 160 | 43 | 16 | 835 |
| 212, 542 | Deniger, Joseph H., Bridgeport, Conn. Vehicle-spring | Feb. 25, 1879 | 868 | 240 | 15 | 252 |
| | Denio, Asa O. (*See* Conner & Denio.) | | | | | |
| 218, 000 | Denison, Alexander, Ridgeway, Ohio. Hub-attaching device | July 29, 1879 | 1228 | 352 | 16 | 198 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page |
|---|---|---|---|---|---|---|
| 8, 669 | Denison, Amos B., Keene, N. H. Bracket-stand ....(Reissue).. | Apr. 15, 1879 | 883 | 249 | 15 | 603 |
| 222, 023 | Denison, Charles H., Springfield, Mass. Paper-collar machine | Nov. 25, 1879 | 1036 | 290 291 | 16 | 980 |
| 217, 929 | Dennett, Charles N., Salisbury, Mass. Carriage-top | July 29, 1879 | 1151 | 329 | 16 | 189 |
| 214, 993 | Denney, Samuel L., Gap, Pa. Hame-fastening | May 6, 1879 | 13 | 5 | 15 | 704 |
| 214, 554 | Dennis, Benjamin A., Pawtucket, assignor to C. H. Dow, Providence, R. I. Check-rein guide for bridles | Apr. 22, 1879 | 995 | 280 | 15 | 624 |
| 219, 449 | Dennis, Frederick J., Chicago, Ill. Lantern | Sept. 9, 1879 | 456 | 127 | 16 | 478 |
| 221, 538 | Same.....Marine signal-lamp | Nov. 11, 1879 | 471 | 129 | 16 | 886 |
| 222, 024 | Dennis, James H., Newark, N. J. Sled | Nov. 25, 1879 | 1039 | 291 | 16 | 981 |
| 223, 118 | Same.....Velocipede-sled | Dec. 30, 1879 | 1180 | 332 | 16 | 1213 |
| | Dennis, Joseph S., *et al.* (*See* Betts, Lewis F., assignor.) | | | | | |
| | Same.....(*See* Irwin, John H., assignor)....(Reissue.) | | | | | |
| 220, 016 | Dennis, Mary A., assignor of one-half interest to W. H. Harrison, Newark, N. J. Refuse-strainer for kitchen-sinks | Sept. 30, 1879 | 1103 | 305 | 16 | 591 |
| 211, 321 | Dennis, Oscar A., Syracuse, N. Y. Coin-package | Jan. 14, 1879 | 298 | 88 | 15 | 39 |
| 8, 769 | Same.....same....(Reissue).. | June 24, 1879 | 1065 | 302 | 15 | 1048 |
| 218, 500 | Dennis, Stephen, Bogota, United States of Colombia. Device for transmitting motion. | Aug. 12, 1879 | 460 | 128 | 16 | 293 |
| 219, 230 | Dennis, Theodore A., Newark, N. J. Mail-bag | Sept. 2, 1879 | 199 | 59 | 16 | 438 |
| | Dennison, E. H., *et al.* (*See* Marshall & Sparrell, assignors.) | | | | | |
| | Denniston, Charles A. (*See* Cooper, Francis, assignor.) | | | | | |
| 213, 098 | Denny, Hervey B., Circleville, Ohio. Cylinder printing-machine | Mar. 11, 1879 | 401 | 111 | 15 | 356 |
| | De Normandie, E. P., *et al.* (*See* Woodside, George W., assignor.....(Reissue.) | | | | | |
| 221, 039 | Denton, William A., Council Bluffs, Iowa. Medical compound for hog-cholera | Oct. 28, 1879 | 987 | ..... | 16 | 791 |
| 223, 064 | De Palos, James S., Brooklyn, N. Y. Gas-regulator | Dec. 30, 1879 | 1111 | 316 | 16 | 1203 |
| 222, 469 | Depue, Elisha, Silvara, Pa. Device for upsetting tires | Dec. 9, 1879 | 412 | 117 | 16 | 1074 |
| 215, 585 | De Ray, William, Murray, Ky. Brake for wagons | May 20, 1879 | 716 | 209 | 15 | 807 |
| 218, 001 | Derby, Moses, Pepin, Wis. Gate | July 29, 1879 | 1229 | 352 | 16 | 198 |
| | Derby, Philander. (*See* Parker, Frank F., assignor.) | | | | | |
| | Derby Silver Company. (*See* Berry, Henry, assignor.) | | | | | |
| 211, 347 | De Romilly, Henry F. L. W., Paris, France. Apparatus for exhausting and forcing fluids | Jan. 14, 1879 | 325 | 96 | 15 | 42 |
| 214, 494 | Derr, George S., New Orleans, La. Bench-knife | Apr. 22, 1879 | 917 | 259 | 15 | 614 |
| 222, 470 | Derry, Lewis C., assignor of one-half interest to H. W. Sheets, Bushnell, Ill. Blacksmith's tool | Dec. 9, 1879 | 413 | 117 | 16 | 1074 |
| 215, 335 | De Rush, Werter D., assignor of one-half interest to J. M. Lansdowne, Greenville, Ohio. Car-heater | May 13, 1879 | 426 | 127 | 15 | 760 |
| | Desch, Casper L. (*See* Stineman, William H. H., assignor.) | | | | | |
| 212, 906 | Deschamps, Francis O., Philadelphia, Pa. Turnstile-register | Mar. 4, 1879 | 155 | 43 | 15 | 316 |
| 215, 104 | Same.....same | May 6, 1879 | 134 | 40 | 15 | 719 |
| 215, 105 | Same.....Passenger-fare register | May 6, 1879 | 136 | 40, 41 | 15 | 720 |
| 219, 232 | Desgouttes, Antoine, Paris, France. Grate for furnaces | Sept. 2, 1879 | 200 | 59 | 16 | 438 |
| 215, 892 | Desjardins, Jules, Burlington, Vt. Windmill | May 27, 1879 | 1059 | 309 | 15 | 860 |
| 220, 354 | Desparois, Antoine G., and L. F. Christian, Saint Paul, Minn. Combined reaper and harvester | Oct. 7, 1879 | 159 | 43 | 16 | 656 |
| | Dessert, Mitchell. (*See* Waterman, Amelia U., assignor.) | | | | | |
| 218, 944 | Detert, Herman T., Faribault, Minn. Collar-pad | Aug. 26, 1879 | 992 | 279 | 16 | 385 |
| 211, 439 | De Torres, Horace C., Turin, Italy. Feed-water heater | Jan. 14, 1879 | 431 | 121 | 15 | 55 |
| | Detrick, Edington. (*See* Mooney, John H., assignor.) | | | | | |
| 223, 119 | Detrick, Jacob S., Baltimore, Md. Belt gearing and shifting mechanism for applying driving-power with varying speed | Dec. 30, 1879 | 1181 | 332 | 16 | 1213 |
| | Detroit Iron and Brass Manufacturing Company. (*See* Dillon & Scully, assignors.) | | | | | |
| | Same.....(*See* Scully, William, assignor.) | | | | | |
| 216, 783 | De Turk, Louis P., and C. W. Olds, Martinsville, Ind. Smoke and spark arrester | June 24, 1879 | 894 | 254 | 15 | 1026 |
| 212, 361 | Detwiler, John S., Philadelphia, Pa. Curb or hoop for millstones | Feb. 18, 1879 | 625 | 176 | 15 | 212 |
| 215, 336 | Detwiler, John Y., Toledo, Ohio. Artificial base for honey-combs | May 13, 1879 | 427 | 127 | 15 | 760 |
| 217, 591 | Detwiller, Jacob J., Greenville, N. J. Pyrotechnic signal | July 15, 1879 | 753 | 214 | 16 | 120 |
| 219, 231 | Deu Pree, William E., Glenwood, Iowa. Gate | Sept. 2, 1879 | 200 | 59 | 16 | 438 |
| | Deutsch, Sigmund, *et al.* (*See* Repetti, Joseph, assignor.) | | | | | |
| 213, 977 | De Valin, Charles E., Baltimore, Md. Device for preventing the escape of sewer-gas from basin-overflows | Apr. 8, 1879 | 281 | 81 | 15 | 517 |
| 219, 076 | Devault, William, Cope, Ohio. Surveying-instrument | Sept. 2, 1879 | 22 | 7 | 16 | 415 |
| 211, 974 | Devenny, John W., assignor of one-half interest to S. M. Hysell, Middleport, Ohio. Sash-balance | Feb. 4, 1879 | 172 | 50 | 15 | 148 |
| | Dever, William J. (*See* O'Donnell & Dever.) | | | | | |
| 222, 025 | Devilliers, Emile, Paris, France. Pavement for streets | Nov. 25, 1879 | 1040 | 291 | 16 | 981 |
| 220, 584 | Devine, Frank W., assignor of three-fourths interest to L. A. Devine, R. W. Gunter, and B. Magill, Carrollton, Mo. Chain-pump and curb | Oct. 14, 1879 | 440 | 113 | 16 | 701 |
| | Devine, Lawrence J., *et al.* (*See* Devine, Frank W., assignor.) | | | | | |
| 221, 040 | Devlin, Daniel, Saint Louis, Mo. Car-axle journal | Oct. 28, 1879 | 987 | 261 | 16 | 791 |
| | Devlin, James. (*See* Hurd, Lorenzo D., assignor.) | | | | | |
| 8, 836 | Devoe, Benjamin G., and W. L. Walker, Kenton, Ohio, assignors, by mesne assignments, to Champion Iron Fence Company. Iron fence ....(Reissue).. | Aug. 5, 1879 | 289 | 78, 79 | 16 | 259 |
| 222, 256 | Dewees, Thomas, San Antonio, Tex. Windmill | Dec. 2, 1879 | 163 | 42 | 16 | 1031 |
| 214, 760 | Dewey, Isaac H., Rochester, N. Y. Chair | Apr. 29, 1870 | 1229 | 344 | 15 | 661 |
| 217, 682 | Dewing, Lydia S., Natick, Mass. Wardrobe | July 22, 1879 | 873 | 249 | 16 | 145 |
| 214, 994 | De Witt, Josiah H., New York, N. Y. Machine for painting wire-cloth | May 6, 1879 | 13 | 5 | 15 | 704 |
| | De Wolf, Fanny E., *et al.* (*See* Pitt, Thomas, assignor.) | | | | | |
| 221, 449 | De Wolfe, Charles B., Michigan City, Ind. Fence-post | Nov. 11, 1879 | 360 | 99 | 16 | 871 |
| 214, 115 | De Wolfe, James L., Windsor, Nova Scotia. Ship's pump | Apr. 8, 1879 | 458 | 130 | 15 | 538 |
| 221, 288 | Dewrance, John, 176 Great Dover Street Borough, Surrey County, England. Cock.. | Nov. 4, 1879 | 161 | 44 | 16 | 835 |
| 313, 396 | Dexter, Lyman R., Lancaster, N. H. Sled | Mar. 18, 1879 | 732 | 205 | 15 | 408 |
| 222, 026 | Dexter, Mary J., Milwaukee, Wis. Portable bath-closet | Nov. 25, 1879 | 1041 | 292 | 16 | 981 |
| 218, 619 | Dexter, Thomas B., Lynn, Mass., assignor of one-half interest to Gilmanton Mills, Belmont, N. H. Hydrocarbon-burner | Aug. 19, 1879 | 609 | 171 | 16 | 322 |
| | De Young & Brother. (*See* Abbott, John, assignor.) | | | | | |
| 211, 877 | De Zuccato, Eugenio, London, England. Apparatus for producing copies of writings, &c | Feb. 4, 1879 | 64 | 19 | 15 | 134 |
| 8, 853 | Same.....Producing copies of writings, &c....(Reissue).. | Aug. 12, 1879 | 596 | ..... | 16 | 312 |
| 219, 665 | Same.....Stencil-frame for autographic printing | Sept. 16, 1879 | 705 | 195 | 16 | 519 |
| 217, 999 | D'Haisne, Gaston, assignor to A. A. Lefébvre, Paris, France. Invalid-bedstead | July 29, 1879 | 1226 | 351 | 16 | 198 |
| 213, 978 | Dibble, John L., Brooklyn, N. Y. Syringe | Apr. 8, 1879 | 282 | 81 | 15 | 517 |
| 219, 923 | Dibble, Nathan M., assignor to self and L. A. Dolph, Birmingham, Conn. Water-wheel governor | Sept. 23, 1879 | 997 | 277 | 16 | 569 |
| 211, 652 | Dibble, William H., Middletown, Conn. Dental plugger | Jan. 28, 1879 | 693 | 194 | 15 | 95 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 213,399 | Di Bert, Loyd C., San Francisco, Cal. Bit-stock | Mar. 18, 1879 | 737 | 206 | 15 | 408 |
| 219,624 | Dick, Adam, Moline, Ill. Corn-planter | Sept. 16, 1879 | 654 | 182 | 16 | 513 |
| | Dick, Agnes, *et al.* (*See* Dick, James M., assignor.) | | | | | |
| 213,397 | Dick, Albert B., Galesburg, Ill. Corn-planter | Mar. 18, 1879 | 733 | 205 206 | 15 | 408 |
| | Dick, Alfred, *et al.* (*See* Dick, James M., assignor.) | | | | | |
| | Dick, Charles J. A. (*See* Luders, Thomas L., assignor.) | | | | | |
| 214,814 | Dick, James M., assignor to A. and A. Dick, Buffalo, N. Y. Steak-broiler | Apr. 29, 1879 | 1295 | 362 | 15 | 670 |
| 214,028 | Dick, Joseph, jr., Canton, Ohio. Combined hand and foot power | Apr. 8, 1879 | 340 | 97 | 15 | 525 |
| 215,894 | Same..... Straw-cutter | May 27, 1879 | 1062 | 309 | 15 | 861 |
| | Dick, Philip, *et al.* (*See* Blood, Edwin J., assignor.) | | | | | |
| 211,712 | Dickenson, Joseph L., Hempstead, N. Y. Reefing fore and aft sails | Jan. 28, 1879 | 753 | 211 | 15 | 103 |
| 219,806 | Dickerman, George A., Chicago, Ill. Measuring device for creating wantage | Sept. 23, 1879 | 875 | 241 | 16 | 551 |
| 211,089 | Dickerson, Edward N., New York, N. Y. Ventilating soil-pipes of houses | Jan. 7, 1879 | 12 | 4 | 15 | 2 |
| 212,792 | Dickerson, Edward N., jr., New York, N. Y Electric signaling apparatus | Mar. 4, 1879 | 12 | 4, 5 | 15 | 298 |
| | Dickerson, E. N. (*See* Greenway, Edward M., jr., assignor).....(Reissue.) | | | | | |
| 213,398 | Dickey, William D., assignor to self, J. W. Handren, and D. M. Ripley, New York, N. Y. Pressure-regulating valve | Mar. 18, 1879 | 735 | 206 | 15 | 408 |
| 219,625 | Same.....Pressure-regulator | Sept. 16, 1879 | 656 | 183 | 16 | 513 |
| 214,373 | Dickey, William H., Jackson, Mich. Cultivator | Apr. 15, 1879 | 778 | 219 | 15 | 588 |
| 215,106 | Same .....same | May 6, 1879 | 138 | 41 | 15 | 720 |
| 221,795 | Dickey, William H., assignor of one-half interest to G. S. Bennett, Jackson, Mich. Chain-link | Nov. 18, 1879 | 772 | 216 | 16 | 935 |
| 221,796 | Dickey, William H., assignor of two-thirds interest to A. and G. S. Bennett, Jackson, Mich. Millstone-driver | Nov. 18, 1879 | 773 | 216 | 16 | 935 |
| | Dickie, George W. (*See* Moore & Dickie.) | | | | | |
| | Dickinson, Charles B. (*See* Kennish, William, assignor.) | | | | | |
| 213,979 | Dickinson, Charles B., Brooklyn, N. Y. Syringe | Apr. 8, 1879 | 283 | 82 | 15 | 517 |
| 220,585 | Same..... Interfering-strap | Oct. 14, 1879 | 441 | 114 | 16 | 702 |
| 214,555 | Dickinson, Emanuel, Philadelphia, Pa. Peg-float | Apr. 22, 1879 | 997 | 280 | 15 | 624 |
| 211,975 | Dickinson, George W., Ashtabula, Ohio. Micrometer-screw gage | Feb. 4, 1879 | 173 | 50 | 15 | 148 |
| 213,550 | Same.....Safety center-pinion for watches | Mar. 25, 1879 | 897 | 256 | 15 | 437 |
| 211,713 | Dickinson, John A., Mobile, Ala. Bale-tie | Jan. 28, 1879 | 754 | 211 | 15 | 104 |
| 216,026 | Dickinson, William, Rockford, Ill. Calk attachment for horseshoes | June 3, 1879 | 25 | 6 | 15 | 888 |
| 217,003 | Dickson, Charles T., Cincinnati, Ohio. Telephone | July 1, 1879 | 80 | 24 | 16 | 13 |
| 214,116 | Dickson, John P., Sacramento, Cal. Car brake and starter | Apr. 8, 1879 | 459 | 130 | 15 | 538 |
| 214,495 | Dickson, L. Taylor, Philadelphia, Pa. Fishing-reel | Apr. 22, 1879 | 918 | 259 | 15 | 615 |
| 212,907 | Dickson, Perry, Spearfish City, Dak. Amalgamator | Mar. 4, 1879 | 157 | 43 | 15 | 316 |
| 215,199 | Dieckerhoff, Adolf, Vienna, Austria, assignor to M. F. Hunt, New York, N. Y. Explosive compound | May 6, 1879 | 247 | ..... | 15 | 734 |
| 212,201 | Diefenbach, Amos K., West Alexandria, Ohio. Harness | Feb. 11, 1879 | 443 | 121 | 15 | 185 |
| 212,666 | Same.....Horse-detacher | Feb. 25, 1879 | 997 | 277 | 15 | 270 |
| 214,995 | Dieffenbach, Walter, Harrisburg, Pa. Folding chair | May 6, 1879 | 15 | 5 | 15 | 704 |
| | Diehl, Christian. (*See* Kronenberg & Diehl.) | | | | | |
| 214,242 | Diehl, Philip, Elizabeth, N. J. Electric-light apparatus | Apr. 15, 1879 | 611 | 173 | 15 | 567 |
| | Diehl, Phillip. (*See* Miller & Diehl.) | | | | | |
| 221,289 | Dierdorff, Jonas, Goshen, Ind. Cultivator | Nov. 4, 1879 | 163 | 45 | 16 | 835 |
| 219,349 | Dierking, Otto, Brooklyn, N. Y. Vessel for mixing liquid compounds | Sept. 9, 1879 | 345 | 98 | 16 | 464 |
| 217,272 | Dieterich, Charles F., Baltimore, Md. Apparatus for removing coke from gas-retorts. | July 8, 1879 | 392 | 116 | 16 | 62 |
| 218,811 | Dieterle, Henry E., assignor of one-half interest to G. Bandelow, Chicago, Ill. Shuttle-actuating mechanism for sewing-machines | Aug. 26, 1879 | 840 | 236 | 16 | 363 |
| 213,980 | Dietrich, C. Joseph, assignor of one-half interest to G. C. Skidmore, Chicago, Ill. Apparatus for dispensing aerated beverages | Apr. 8, 1879 | 284 | 82 | 15 | 518 |
| 217,451 | Dietrich, Hermann, Potsdam, Prussia, Germany. Horseshoe-calk | July 15, 1879 | 599 | 171 | 16 | 100 |
| 217,516 | Dietz, Robert E., New York, N. Y. Metallic post for wire fences | July 15, 1879 | 666 | 190 | 16 | 109 |
| 217,517 | Same.....Street-lantern | July 15, 1879 | 666 | 190 | 16 | 109 |
| | Diggle, Miles T., *et al.* (*See* McCullough, James P., assignor.) | | | | | |
| 221,218 | Diggins, Henry M., Washington, D. C. Refrigerator | Nov. 4, 1879 | 86 | 23 | 16 | 824 |
| 216,559 | Dilks, Joseph W., Philadelphia, Pa. Raising and lowering propellers | June 17, 1879 | 630 | 178 | 15 | 981 |
| 214,284 | Dill, Jacob, Huntington, Ind. Apparatus for stacking hay, &c | Apr. 15, 1879 | 664 | 186 | 15 | 574 |
| 222,471 | Diller, David, York Sulphur Springs, Pa. Pessary | Dec. 9, 1879 | 414 | 117 | 16 | 1074 |
| 212,841 | Dillin, Samuel W., Toledo, Ohio. Bottle-washer | Mar. 4, 1879 | 69 | 21 | 15 | 307 |
| 217,779 | Dillon, James M., Wood Lawn, Ill. Preserving meats | July 22, 1879 | 968 | ..... | 16 | 158 |
| 219,568 | Dillon, Peter, and J. Cleary, Sherbrooke, Quebec, Canada. Soldering-machine | Sept. 16, 1879 | 586 | 164 | 16 | 503 |
| 219,569 | Same.....same | Sept. 16, 1879 | 589 | 164 | 16 | 504 |
| | Dillon, Philip. (*See* Gillin, Robert F., assignor.) | | | | | |
| 220,901 | Dillon, Richard S., and W. Sculiy, assignors to Detroit Iron and Brass Manufacturing Company, Detroit, Mich. Automatic furnace-feeder | Oct. 21, 1879 | 798 | 214 | 16 | 757 |
| 211,500 | Dillon, Robert, jr., New York, N. Y. Pantaloons-protector | Jan. 21, 1879 | 494 | 140 | 15 | 66 |
| 219,699 | Dilts, Andrew, assignor, by mesne assignments, to self, E. G. Dilts, and D. Wagoner, Dallas, Iowa. Spoke-setting machine | Sept. 16, 1879 | 740 | 205 | 16 | 524 |
| | Dilts, E. G., *et al.* (*See* Dilts, Andrew, assignor.) | | | | | |
| 219,570 | Dimelow, John, assignor to W. A. Ackerly, Austin, Tex. Manufacture of hydraulic stone | Sept. 16, 1879 | 589 | ..... | 16 | 504 |
| 213,877 | Dimon, Charles A. R., Lowell, Mass. Cartridge-loading implement | Apr. 1, 1879 | 161 | 47 | 15 | 493 |
| 217,683 | Dimond, George H., Bridgeport, Conn. Sweat-leather for hats | July 22, 1879 | 874 | 249 | 16 | 145 |
| | Dinehart, Christopher E. (*See* Mills & Dinehart.) | | | | | |
| | Dingwall, George. (*See* McRonald, Alexander, assignor.) | | | | | |
| 212,908 | Dinnan, John J., assignor to H. Rogers, New Haven, Conn. Lock | Mar. 4, 1879 | 157 | 44 | 15 | 316 |
| 215,215 | Same.....Reversible latch | May 13, 1879 | 284 | 83 | 15 | 741 |
| 216,260 | Same.....Lock | June 10, 1879 | 281 | 83 | 15 | 928 |
| 222,817 | Dinnan, John J., assignor of one-half interest to H. Rogers, New Haven, Conn. Knob attachment | Dec. 23, 1879 | 824 | 236 | 16 | 1153 |
| 8,575 | Dinsmore, Alfred S., Boston, Mass. Sewing-machine.....(Reissue).. | Feb. 11, 1879 | 542 | 152 | 15 | 199 |
| 211,891 | Dinsmore, Alfred S., Boston, assignor of one-half interest to C. F. Curwen, Salem, Mass. Lifting-jack | Feb. 4, 1879 | 77 | 23 | 15 | 136 |
| | Dion, Léon. (*See* Darozir & Dion.) | | | | | |
| 216,027 | Dippert, William E., Des Moines, assignor of one-half interest to J. E. Jolliffe, Ottumwa, Iowa. Harness-loop | June 3, 1879 | 25 | 6 | 15 | 888 |
| | Dippery, Frank S. (*See* Smith, Hiram B., assignor.) | | | | | |
| | Disston, Albert H., *et al.* (*See* Shoemaker, Charles T., assignor.) | | | | | |
| 223,208 | Disston, Charles, assignor to self, H. W. Disston, and W. H. Wright, jr., Philadelphia, Pa. Attachment for billiard-tables | Dec. 30, 1879 | 1273 | 360 | 16 | 1226 |
| | Disston, Hamilton, *et al.* (*See* Shoemaker, Charles T., assignor.) | | | | | |
| | Disston, Harry W., *et al.* (*See* Disston, Charles, assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Disston, Horace C., *et al.* (*See* Shoemaker, Charles T., assignor.) | | | | | |
| 213,400 | Ditsworth, Josiah F., Austin, Nev. Wagon-brake | Mar. 18, 1879 | 737 | 206 | 15 | 408 |
| 222,677 | Dittmann, Ernst W., Leipsic, Saxony, Germany. Baker's oven | Dec. 16, 1879 | 667 | 191 | 16 | 1120 |
| 218,368 | Dittmeier, John, Rochester, N. Y. Clock | Aug. 12, 1879 | 303 | 83 | 16 | 272 |
| 218,945 | Same ....same | Aug. 26, 1879 | 992 | 279 | 16 | 385 |
| | Ditto, John. (*See* McGuire & Ditto.) | | | | | |
| | Dixon, Courtlandt P. (*See* Hall, Albert E., assignor.) | | | | | |
| 218,501 | Dixon, George W., Spring Lake, Mich. Valve for steam-pumps | Aug. 12, 1879 | 460 | 128 | 16 | 293 |
| 219,626 | Dixon, James M., and H. T. Herron, Dixon, Ky. Bee-hive | Sept. 16, 1879 | 657 | 183 | 16 | 513 |
| | Dixon, Joseph. (*See* Meigher, James D., assignor.) | | | | | |
| 211,714 | Dixon, Julian R., Fresno, Cal. Windmill | Jan. 28, 1879 | 754 | 212 | 15 | 104 |
| 219,450 | Dixon, Rufus E., New York, N. Y. Combined pipe-case and tobacco-pouch | Sept. 9, 1879 | 458 | 127 | 16 | 478 |
| 222,876 | Doan, Isaac H., and J. Galloway, Wellington, Ill. Ditching-machine | Dec. 23, 1879 | 893 | 258 | 16 | 1163 |
| 214,285 | Doan, Riley R., Sacramento, Cal. Steam-boiler | Apr. 15, 1879 | 665 | 186 | 15 | 574 |
| 211,501 | Doane, George H., Detroit, Mich. Middlings-separator | Jan. 21, 1879 | 495 | 140 | 15 | 66 |
| 214,996 | Doane, Gustavus C., United States Army. Tent | May 6, 1879 | 15 | 6 | 15 | 705 |
| | Doane & Wellington. (*See* Wintergerst, Christoph, assignor) ....(Reissue.) | | | | | |
| | Doane, William H. (*See* Passel & Doane.) | | | | | |
| 213,180 | Doane, William H., Cincinnati, Ohio. Planing and matching machine | Mar. 11, 1879 | 494 | 137 | 15 | 368 |
| 215,512 | Dobbins, Jacob, Litchfield, Mich. Machine for planing and pointing hoops | May 20, 1879 | 633 | 184, 185 | 15 | 797 |
| 222,678 | Dobbins, Lemuel D., Camden, N. J. Apparatus for treating celluloid bases for artificial teeth | Dec. 16, 1879 | 668 | 192 | 16 | 1120 |
| | Dobbs, Andrew B. (*See* Chattaway, George T., assignor.) | | | | | |
| 218,502 | Dobiecki, George F., Brooklyn, N. Y. Fastener for watch-stems | Aug. 12, 1879 | 461 | 129 | 16 | 293 |
| 219,924 | Doble, Budd, Chicago, Ill., and H. B. Paul, assignors of one-third interest to C. S. Caffrey, Camden, N. J. Brace for sulkies | Sept. 23, 1879 | 998 | 278 | 16 | 569 |
| 213,634 | Dobson, Benjamin A. and J. Macquien, Bolton, England. Spinning mule and jack | Mar. 25, 1879 | 987 | 280, 281 | 15 | 449 |
| 212,667 | Dobyns, Samuel T., assignor of one-half interest to A. T. Mitchell, North Middletown, Ky. Catarrh remedy | Feb. 25, 1879 | 997 | ..... | 15 | 270 |
| | Dodds, John, *et al.* (*See* Ritty, Sebastian, assignor.) | | | | | |
| 219,807 | Dodé, Jean B. A., Reims, France. Coating metals with platinum | Sept. 23, 1879 | 876 | ..... | 16 | 551 |
| 215,586 | Dodge, Charles F., Brooklyn, N. Y. Wire-rope railway | May 20, 1879 | 717 | 209, 210 | 15 | 807 |
| 217,452 | Same....Railway | July 15, 1879 | 600 | 171 | 16 | 100 |
| 211,382 | Dodge, Cyrus A., Middlebury, Vt. Washing-machine | Jan. 14, 1879 | 365 | 105 | 15 | 47 |
| 214,761 | Dodge, Edmund H., Caledonia, Ohio. Stove-pipe | Apr. 29, 1879 | 1230 | 345 | 15 | 661 |
| 218,718 | Dodge, Edwin L., Boston, Mass. Automatic heat-regulator for furnaces | Aug. 19, 1879 | 711 | 202 | 16 | 336 |
| 211,892 | Dodge, George, assignor of one-half interest to E. Allen, Kalamazoo, Mich. Plow | Feb. 4, 1879 | 78 | 23 | 15 | 136 |
| 215,587 | Same....Colter and jointer | May 20, 1879 | 719 | 210 | 15 | 808 |
| 8,926 | Same....Plow....(Reissue) | Oct. 14, 1879 | 552 | 146 | 16 | 717 |
| 218,668 | Dodge, Henry A., North Smithfield, assignor to self and S. W. Wardwell, jr., Providence, R. I. Padlock | Aug. 19, 1879 | 660 | 186 | 16 | 329 |
| 219,233 | Dodge, Horace M., Brooklyn, N. Y. Stuffing leather | Sept. 2, 1879 | 201 | 60 | 16 | 438 |
| 215,443 | Dodge, James M., New York, N. Y., assignor to A. H. and H. L. Andrews and T. S. Hayden, Chicago, Ill. Slate | May 20, 1879 | 552 | 162 | 15 | 786 |
| 221,290 | Dodge, James M., New York, N. Y. Stop-hinge | Nov. 4, 1879 | 163 | 45 | 16 | 835 |
| 220,966 | Dodge, J. Wesley, Malden, Mass. Heel-trimming machine | Oct. 28, 1879 | 895 | 239 | 16 | 779 |
| 216,028 | Dodge, King D., Chicago, Ill. Iron fence | June 3, 1879 | 26 | 7 | 15 | 888 |
| | Dodson, Evan B. (*See* Dodson, Silas, assignor.) | | | | | |
| 221,450 | Dodson, Silas, Rochester, assignor of one-half interest to E. B. Dodson, New York, N. Y. Track for elevated street-railways | Nov. 11, 1879 | 361 | 99 | 16 | 871 |
| 222,257 | Doebner, Oscar G., Berlin, Prussia, Germany. Green coloring-matter | Dec. 2, 1879 | 164 | ..... | 16 | 1031 |
| 223,120 | Doellinger, Gustavus A., Rock Island, Ill. Reclining-chair | Dec. 30, 1879 | 1182 | 333 | 16 | 1213 |
| 213,498 | Doen, Alexander P., and J. C. C. Miller, Evansville, Ind. Preventing incrustations in steam-boilers | Mar. 25, 1879 | 839 | 237 | 15 | 430 |
| 211,976 | Doerty, Oliver J., and P. C. Tritch, Findlay, Ohio. Machine for tenoning spokes and boring fellies | Feb. 4, 1879 | 177 | 50 | 15 | 149 |
| 218,946 | Doescher, Eibe H., Homestead, Iowa. Automatic fire-lighter | Aug. 26, 1879 | 993 | 279 | 16 | 385 |
| | Doherty, John P. (*See* Monday & Doherty.) | | | | | |
| 217,864 | Dolan, Thomas, Albany, N. Y. Wheelbarrow | July 29, 1879 | 1077 | 309 | 16 | 179 |
| 220,205 | Dolbear, Amos E., Somerville, Mass. Combined speaking-telephone and Morse sounder | Sept. 30, 1879 | 1332 | 367 | 16 | 623 |
| | Dolbey, Moses L. (*See* Bangs & Dolbey.) | | | | | |
| 221,399 | Dolby, Thomas G. F., London, England. Apparatus for exhausting air from vessels | Nov. 11, 1879 | 306 | 84 | 16 | 863 |
| 221,451 | Dolby, Thomas G. F., London, assignor of one-half interest to J. G. Chapman, Birkenhead, England. Hermetic closing of receptacles | Nov. 11, 1879 | 361 | 99 | 16 | 871 |
| 221,539 | Dolby, Thomas G. F., London, England. Sheet-metal can | Nov. 11, 1879 | 473 | 129 | 16 | 886 |
| 211,462 | Dole, Joseph L., Springfield, Mass. Paper box | Jan. 21, 1879 | 457 | 129 | 15 | 62 |
| | Dolgorouky, Alexis S. (*See* Graf, Hermann, assignor.) | | | | | |
| 215,588 | Dolman, William A., assignor of one-half interest to S. J. Miller, Muncie, Ind. Washing-machine | May 20, 1879 | 720 | 210 | 15 | 808 |
| 8,710 | Dolph, Alexander M., Cincinnati, Ohio. Starching-machine ....(Reissue) | May 13, 1879 | 519 | 153, 154 | 15 | 772 |
| | Dolph, Lucas A. (*See* Dibble, Nathan M., assignor.) | | | | | |
| 222,987 | Donald, James, Cleveland, Ohio. Stave, and vessel formed of staves | Dec. 30, 1879 | 1026 | 293 | 16 | 1192 |
| 214,893 | Donaldson, Frank, New York, N. Y., assignor to self and J. L. Franck, Louisville, Ky. Milk-receiver | Apr. 29, 1879 | 1379 | 383, 384 | 15 | 680 |
| 8,763 | Donaldson, Robert B., Washington, D. C., assignor to S. S. White, Philadelphia, Pa. Dental plugger ....(Reissue) | June 17, 1879 | 809 | 232 | 15 | 1007 |
| 222,181 | Donaldson, Robert B., Washington, D. C. Hand-piece for dental engines | Dec. 2, 1879 | 72 | 17 | 16 | 1019 |
| 219,077 | Doner, Christopher, Cannon Falls, Minn. Latch | Sept. 2, 1879 | 23 | 7 | 16 | 415 |
| 219,392 | Donkersley, Cornelius, New York, N. Y. Elevated railway | Sept. 9, 1879 | 395 | 110 | 16 | 470 |
| 217,349 | Donovan, George L., assignor to S. A. Hull, West Meriden, Conn. Furniture-caster | July 8, 1879 | 475 | 138 | 16 | 72 |
| 219,925 | Donovan, John E., Cincinnati, Ohio. Sad-iron | Sept. 23, 1879 | 999 | 278 | 16 | 569 |
| 220,586 | Same....Fluting-machine | Oct. 14, 1879 | 442 | 114 | 16 | 702 |
| 222,679 | Same....same | Dec. 16, 1879 | 670 | 192 | 16 | 1120 |
| | Donshea, Robert. (*See* Clark, Edward, assignor.) | | | | | |
| 220,814 | Doolittle, Frederick C., Sherburne, N. Y. Car-coupling | Oct. 21, 1879 | 709 | 188 | 16 | 745 |
| 212,909 | Doolittle, George W., Montrose, Pa. Steam-boiler | Mar. 4, 1879 | 159 | 44 | 15 | 317 |
| | Doolittle, John F. (*See* Aitchison & Doolittle.) | | | | | |
| 212,543 | Dopp, Daniel E., Wheeling, and L. C. Walters, Barrington, Ill. Key-fastener | Feb. 25, 1879 | 868 | 240 | 15 | 253 |
| 212,544 | Dopp, Daniel E., Wheeling, Ill. Husking and pruning device | Feb. 25, 1879 | 869 | 240 | 15 | 253 |
| | Doremus, Willard D. (*See* Brown & Doremus.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 218,165 | Doremus, Willard D., Washington, D. C. Faucet | Aug. 5, 1879 | 69 | 18 | 16 | 230 |
| 215,337 | Doremus, William T., New York, N. Y. Oscillating chair | May 13, 1879 | 427 | 127 | 15 | 760 |
| 216,158 | Doring, Charles F., Troy, N. Y. Cuff-holder | June 3, 1879 | 155 | 46 | 15 | 904 |
| 216,383 | Same.....same | June 10, 1879 | 433 | 123 | 15 | 947 |
| 219,234 | Dormitzer, Anna, New York, N. Y. Window-cleaning device | Sept. 2, 1879 | 202 | 60 | 16 | 438 |
| | Dorr, Benjamin F. (*See* Dana, Lester D., assignor.) | | | | | |
| 221,913 | Dorr, Henry G., jr., assignor to W. Mills & Son, Brooklyn, N. Y. Show-case | Nov. 25, 1879 | 919 | 257 | 16 | 965 |
| | Dorsett, R. Clarence. (*See* Helske, William F., assignor.) | | | | | |
| 222,472 | Dorsey, Dennis B., Chillicothe, Mo. Washing-machine | Dec. 9, 1879 | 415 | 117 | 16 | 1075 |
| 220,355 | Dorsey, Marcellus, assignor to Straub Mill Company, Cincinnati, Ohio. Middlings-separator | Oct. 7, 1879 | 160 | 43 | 16 | 656 |
| | Dorsey, Robert S. (*See* Frederick, Levi W., assignor.) | | | | | |
| | Same.....(*See* Tucker, Dorsey & Frederick.) | | | | | |
| 220,468 | Dost, Theodore, assignor to W. Wilkins, Baltimore, Md., H. H. Grane, G. A. Schleus, and L. Wilkins, executors of W. Wilkins, deceased. Preparing bristles for dyeing | Oct. 14, 1879 | 294 | ..... | 16 | 684 |
| 213,551 | Doten, Charles C., Plymouth, Mass. Screw | Mar. 25, 1879 | 898 | 256 | 15 | 437 |
| | Doty, Alexander H. (*See* Johnson, Frank G., assignor.) | | | | | |
| | Doty, H. D., *et al.* (*See* Doty, Milo L., assignor.) | | | | | |
| 221,219 | Doty, Milo L., Winterset, assignor to T. G. Orwig and H. D. Doty, Des Moines, Iowa. Tanning | Nov. 4, 1879 | 87 | ..... | 16 | 824 |
| 222,388 | Doty, Rhodolphus, Cleveland, Ohio. Metallic packing | Dec. 9, 1879 | 309 | 87 | 16 | 1062 |
| | Doubleday, Henry H. (*See* Stoll, Charles G. and W., assignors) ..... (Reissue.) | | | | | |
| 213,552 | Doubleday, John M., Montclair, N. J. Parasol for children's carriages | Mar. 25, 1879 | 899 | 257 | 15 | 437 |
| | Doud, Edgar L. (*See* Bronson, Mathuel A., assignor.) | | | | | |
| 218,241 | Douds, David D., New Castle, Pa. Fire-escape | Aug. 5, 1879 | 155 | 42 | 16 | 241 |
| | Dougherty, Caroline J. (*See* Boyden, William A., assignor).....(Reissue.) | | | | | |
| | Dougherty, James H. (*See* Briggs & Dougherty.) | | | | | |
| 211,715 | Dougherty, John B., Rochester, assignor to Burrell, Ives & Co., and D. H. Burrell, Little Falls, N. Y. Barrel-hoop machine | Jan. 28, 1879 | 755 | 212 | 15 | 104 |
| 211,716 | Dougherty, John B., and J. Naylor, jr., Rochester, N. Y.; said Naylor assignor to said Dougherty. Machine for dressing and compressing hoops | Jan. 28, 1879 | 758 | 213 | 15 | 104 |
| 222,625 | Dougherty, William H., New York, N. Y. Grate-bar | Dec. 16, 1879 | 604 | 172 | 16 | 1111 |
| | Douglas, Robert L., *et al.* (*See* Sudlow, Charles A., assignor.) | | | | | |
| | Douglass, George B. (*See* Wemple, Andrew, assignor.) | | | | | |
| 213,325 | Douglass, Henry, Paterson, N. J. Railway-switch | Mar. 18, 1879 | 659 | 186 | 15 | 398 |
| 223,034 | Douglass, Henry E., New Brighton, Pa. Grain-toller | Dec. 30, 1879 | 1075 | 307 | 16 | 1199 |
| 211,385 | Douglass, Jerome, Jefferson, Pa. Torpedo for oil-wells | Jan. 14, 1879 | 370 | 106 | 15 | 48 |
| | Douglass, Jonathan D. (*See* Knowles, Charles M., assignor.) | | | | | |
| | Douty, William, H. (*See* Drake, Charles H., assignor.) | | | | | |
| | Same.....(*See* Gaskins, James M., assignor.) | | | | | |
| 213,401 | Douty, William H., and C. H. Drake, Shamokin, Pa.; said Drake assignor to said Douty. Removable book-cover | Mar. 18, 1879 | 738 | 207 | 15 | 408 |
| 215,049 | Douty, William H., Shamokin, Pa. Holder for paper bags | May 6, 1879 | 74 | 22 | 15 | 712 |
| 215,895 | Douty, William H., assignor of one-half interest to H. Floyd, Shamokin, Pa. Skid | May 27, 1879 | 1064 | 310 | 15 | 861 |
| | Dover Stamping Company. (*See* Gear, Samuel W., assignor.) | | | | | |
| | Same.....(*See* Whitney, Edward H., assignor).....(Reissue.) | | | | | |
| | Dow, Charles H. (*See* Dennis, Benjamin A., assignor.) | | | | | |
| 213,981 | Dow, Dwight S., and M. C. Brown, Cleveland, Ohio. Book-keeping apparatus | Apr. 8, 1879 | 285 | 82 | 15 | 518 |
| 221,220 | Dow, George E., San Francisco, Cal. Valve mechanism for direct-acting engines | Nov. 4, 1879 | 88 | 23 | 16 | 824 |
| 212,202 | Dow, Josiah, Lowell, Mass. Knitting-machine | Feb. 11, 1879 | 444 | 122 | 15 | 185 |
| 221,540 | Dow, Wellington, Fish's Eddy, N. Y. Steel scythe-sharpener | Nov. 11, 1879 | 474 | 129 | 16 | 886 |
| 220,752 | Dowd, Peter A., Boston, Mass. Electric recorder | Oct. 21, 1879 | 631 | 169 | 16 | 735 |
| 222,258 | Dowdican, Peter, Chicago, Ill. Cover for sink-outlets | Dec. 2, 1879 | 164 | 42 | 16 | 1031 |
| 216,159 | Dowler, Francis E., No. 60 Maddox street, Middlesex County, England. Skate | June 3, 1879 | 156 | 46 | 15 | 905 |
| 211,229 | Dowlin, Marshall R., North Adams, Mass. Horse-collar protector | Jan. 7, 1879 | 167 | 49 | 15 | 22 |
| 213,281 | Dowling, Thomas, Gloucester, Mass. Pump | Mar. 18, 1879 | 611 | 172 | 15 | 392 |
| 221,914 | Same.....Rowlock | Nov. 25, 1879 | 920 | 258 | 16 | 965 |
| 217,273 | Dowling, Thomas A., New York, N. Y. Apparatus and process for drying wood and other substances | July 8, 1879 | 393 | 116 | 16 | 62 |
| 215,196 | Dowling, Thomas W., assignor of one-half interest to H. Fowler, Detroit, Mich. Construction of paper boxes | May 6, 1879 | 244 | 71 | 15 | 733 |
| 218,503 | Downes, Charles H., Jersey City, N. J. Stylographic fountain-pen | Aug. 12, 1879 | 462 | 129 | 16 | 293 |
| | Downing, George H., *et al.* (*See* Downing, William H., assignor.) | | | | | |
| | Downing, George W., *et al.* (*See* Downing, William H., assignor.) | | | | | |
| 215,589 | Downing, William H., Millerstown, assignor of two-thirds interest to R. Salvage, Barnhart's Mills, and G. H. Downing, Parker City, Pa. Temper-screw for oil and other wells | May 20, 1879 | 721 | 211 | 15 | 808 |
| 211,230 | Downing, William H., Millerstown, assignor of two-thirds interest to R. T. Salvage and G. W. Downing, Barnhart's Mills, Pa. Oil-pump | Jan. 7, 1879 | 168 | 50 | 15 | 22 |
| 221,400 | Downs, Benjamin J., East Boston, Mass. Alloy for journal-bearings | Nov. 11, 1879 | 307 | 84 | 16 | 863 |
| 217,453 | Downs, Charles, Providence, R. I. Stock for bracelets, &c | July 15, 1879 | 601 | 172 | 16 | 100 |
| 218,864 | Same.....Button and stud | Aug. 26, 1879 | 908 | 254 | 16 | 372 |
| 211,977 | Downton, Robert L., Saint Louis, Mo. Treating bran | Feb. 4, 1879 | 178 | 50 | 15 | 149 |
| 222,680 | Dows, Gustavus D., Boston, Mass. Draft-cock for soda-fountains | Dec. 16, 1879 | 671 | 193 | 16 | 1120 |
| 214,374 | Dows, Stephen L., and W. N. Berkeley, Cedar Rapids, Iowa. Dough-kneader | Apr. 15, 1879 | 778 | 219 | 15 | 588 |
| | Doyle, James B., *et al.* (*See* Curtiss, Marshall S., assignor.) | | | | | |
| 217,731 | Doyle, John, Hoboken, N. J., assignor of one-half interest to C. C. Dusenbury, New York, N. Y. Electro-magnetic motor | July 22, 1879 | 926 | 265 | 16 | 152 |
| 218,504 | Doyle, Peter C., Vernon, Iowa. Sled-brake | Aug. 12, 1879 | 463 | 129 | 16 | 293 |
| 221,797 | Doyle, Seth C., Harrisonville, Mo. Car-coupling | Nov. 18, 1879 | 776 | 216 | 16 | 935 |
| 218,710 | Doyle, William, Boston, Mass. Bottle or can fastener | Aug. 19, 1879 | 712 | 203 | 16 | 336 |
| 211,386 | Doyle, William J., Chicago, Ill. Spool-holder | Jan. 14, 1879 | 371 | 106 | 15 | 48 |
| 218,242 | Doyle, Zohar, Ogden, Ill. Washing-machine | Aug. 5, 1879 | 157 | 42 | 16 | 241 |
| 211,978 | Dozier, Lewis D., Saint Louis, Mo. Removable cover for show-boxes | Feb. 4, 1879 | 178 | 51 | 15 | 149 |
| | Dozier, Weyl & Co. (*See* Turton, William C., assignor.) | | | | | |
| | Drabelle, Samuel L. (*See* Gathright & Drabelle.) | | | | | |
| 213,635 | Drache, Albrecht, Erfurt, Germany. Refrigerating apparatus for liquids, &c | Mar. 25, 1879 | 988 | {281 282} | 15 | 449 |
| 215,107 | Drain, Henry T., Tama City, Iowa. Double-acting pump | May 6, 1879 | 139 | 41 | 15 | 720 |
| 211,717 | Drais, Peter, Washington Court-House, Ohio. Hog-trap | Jan. 28, 1879 | 759 | 213 | 15 | 104 |
| | Drake, Charles H. (*See* Douty & Drake.) | | | | | |
| 213,402 | Drake, Charles H., assignor to W. H. Douty, Shamokin, Pa. Removable book-cover | Mar. 18, 1879 | 739 | 207 | 15 | 409 |
| 213,403 | Same.....same | Mar. 18, 1879 | 740 | 207 | 15 | 409 |
| 213,404 | Same.....same | Mar. 18, 1879 | 740 | 207 | 15 | 409 |
| 216,384 | Drake, Cornelius E., assignor to self and G. Pahl, Avoca, Iowa. Pump | June 10, 1879 | 433 | 123 | 15 | 947 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214, 375 | Drake, Edgar H., Horseheads, N. Y. Machine for transmitting power | Apr. 15, 1879 | 779 | 219 | 15 | 588 |
| 219, 627 | Drake, Edwin S., Brooklyn, N. Y. Lamp | Sept. 16, 1879 | 658 | 183 | 16 | 513 |
| 220, 706 | Same ..... same | Oct. 21, 1879 | 580 | 154 | 16 | 729 |
| 220, 707 | Same ..... same | Oct. 21, 1879 | 581 | 155 | 16 | 729 |
| 218, 620 | Drake, Elbridge, Gardiner, Me. Machine for sawing shingles | Aug. 19, 1879 | 610 | 171, 172 | 16 | 322 |
| 213, 636 | Drake, Lewis W., Hazleton, Pa. Bending lumber for coffins | Mar. 25, 1879 | 990 | 282 | 15 | 449 |
| 216, 513 | Same ..... Burial-casket | June 17, 1879 | 583 | 166 | 15 | 975 |
| 217, 350 | Drake, Mahlon S., Newark, N. J. Device for carrying books, &c | July 8, 1879 | 476 | 138 | 16 | 72 |
| 217, 592 | Same ..... Gate for railway-crossings | July 15, 1879 | 754 | 214 | 16 | 120 |
| 221, 221 | Same ..... Renewing worn screen-plates for paper-pulp | Nov. 4, 1879 | 90 | 23 | 16 | 824 |
| 214, 117 | Drake, Simeon N., New Orleans, La. Bale-tie | Apr. 8, 1879 | 460 | 130 | 15 | 538 |
| 221, 401 | Drake, William H., and A. W. Hammett, Chicago, Ill. Fire-escape and portable water-pipe | Nov. 11, 1879 | 307 | 84 | 16 | 863 |
| 214, 894 | Draper, Abigail A., Chicago, Ill. Sewer ventilator and drain | Apr. 29, 1879 | 1380 | 384 | 15 | 680 |
| | Draper, Francis S. (*See* Quinley, Charles F., assignor.) | | | | | |
| 221, 041 | Draper, Francis S., Attleborough, Mass. Gem-setting | Oct. 28, 1879 | 988 | 262 | 16 | 791 |
| | Draper, George, *et al.* (*See* Coburn, John H., assignor) ..... (Reissue.) | | | | | |
| 213, 813 | Draper, James, Worcester, Mass. Acoustic telephone | Apr. 1, 1879 | 92 | 28 | 15 | 484 |
| | Draper & Sons, George. (*See* Carroll, William T., assignor.) | | | | | |
| 220, 587 | Draper, William F., Hopedale, Mass. Device for indicating tension in the adjustment of spindle-bands | Oct. 14, 1879 | 443 | 115 | 16 | 702 |
| 221, 672 | Dravo, Edward T., Pittsburg, Pa. Machine for making plumbago crucibles and other articles | Nov. 18, 1879 | 618 | 173 | 16 | 915 |
| 211, 322 | Drawbaugh, Daniel, Eberly's Mills, assignor of three-fourths interest to T. Grissenger, Mechanicsburg, J. H. Grissenger and J. E. Shettel, Sheperdstown, Pa. Earth-battery for electric clocks | Jan. 14, 1879 | 298 | 89 | 15 | 39 |
| | Drayer, William E. (*See* Shellenback & Drayer.) | | | | | |
| 218, 505 | Drayton, Benjamin A., New York, N. Y. Bird and similar cages | Aug. 12, 1879 | 464 | 130 | 16 | 293 |
| 222, 877 | Same ..... Bird-cage | Dec. 23, 1879 | 894 | 258 | 16 | 1163 |
| 220, 708 | Dreher, August, Oberticfenbach, Birkenfeld, Germany. Bleaching, coloring, and ornamenting agate and other stones | Oct. 21, 1879 | 582 | ..... | 16 | 729 |
| 221, 291 | Drescher, Luis, White Plains, N. Y. Electro-magnetic machine | Nov. 4, 1879 | 165 | 45 | 16 | 835 |
| | Dresser, Archibald, *et al.* (*See* Taber, Harlow W., assignor.) | | | | | |
| 222, 473 | Dreusike, William, Terre Haute, Ind. Refrigerator | Dec. 9, 1879 | 416 | 118 | 16 | 1075 |
| 215, 108 | Drevermann, August, Berlin, Prussia. Filter-press | May 6, 1879 | 141 | 41, 42, 43 | 15 | 720 |
| 217, 205 | Dreyer, Johann H., assignor to C. Koster, New York, N. Y. Composition for and construction of pickling-vats | July 8, 1879 | 321 | 95 | 16 | 52 |
| 219, 850 | Drian, Barney, and G. Schwendemann, New Haven, Conn. Fire-escape | Sept. 23, 1879 | 916 | 253 | 16 | 557 |
| 215, 896 | Driesbach, James E., Cleveland, Ohio. Smoke and dust excluder | May 27, 1879 | 1065 | 310 | 15 | 861 |
| 211, 387 | Driesslein, Charles L., Chicago, Ill. Stove-pipe joint | Jan. 14, 1879 | 372 | 106 | 15 | 48 |
| 220, 356 | Same ..... Type-writing machine | Oct. 7, 1879 | 162 | 43 | 16 | 657 |
| | Driscoll, George. (*See* Barber, Isaac O., assignor.) | | | | | |
| 217, 593 | Driscoll, William, assignor to self and W. T. Macfarlane, Taunton, Mass. Crucible and pottery-mold | July 15, 1879 | 755 | 215 | 16 | 120 |
| 212, 594 | Driver, William J., Free Union, Ky. Bee-hive | Feb. 25, 1879 | 928 | 257 | 15 | 260 |
| | Drouillard, Albert. (*See* Legros, Norbert, assignor.) | | | | | |
| 218, 243 | Drown, William A., jr., Philadelphia, Pa. Spring-retainer for umbrella-runners | Aug. 5, 1879 | 158 | 42 | 16 | 242 |
| 8, 953 | Drummond, John W., assignor, by mesne assignments, to Positive Motion Loom Company, New York, N. Y. Loom ..... (Reissue) | Nov. 4, 1879 | 275 | 74, 75 | 16 | 850 |
| 212, 203 | Drury, George H., Lincoln, assignor of one-half interest to S. H. Davison, Ankeny, Iowa. Trace-buckle | Feb. 11, 1879 | 446 | 122 | 15 | 185 |
| 220, 709 | Dryden, George, Boston, Mass. Governor and safety appliance to elevators | Oct. 21, 1879 | 584 | 155 | 16 | 729 |
| 219, 451 | Dubber, John F., Brooklyn, N. Y. Combined portfolio and writing-tablet | Sept. 9, 1879 | 459 | 128 | 16 | 478 |
| 220, 967 | Duboc, Charles, Philadelphia, Pa. Netting | Oct. 28, 1879 | 896 | 240 | 16 | 779 |
| 215, 897 | Du Bois, John, Williamsport, Pa. Machine for sawing box-stuff | May 27, 1879 | 1066 | 310 | 15 | 861 |
| 215, 898 | Same ..... Mill for sawing shingle-bolts | May 27, 1879 | 1067 | 310, 311 | 15 | 861 |
| 220, 062 | Same ..... Machine for sawing box-stuff | Sept. 30, 1879 | 1171 | 322 | 16 | 600 |
| 216, 160 | Du Bois, Richard C., Washington, D. C. Cigar and cigarette holder | June 3, 1879 | 157 | 46 | 15 | 905 |
| 217, 076 | Dubreuil, Jerome N. J., Brest, France. Manufacture of iodine and bromine | July 1, 1879 | 170 | ..... | 16 | 24 |
| 217, 351 | Du Brul, Cyriac, Cincinnati, Ohio. Cigar-cutter | July 8, 1879 | 476 | 139 | 16 | 73 |
| 219, 700 | Du Brul, Napoleon, Cincinnati, Ohio. Cigar-mold press | Sept. 16, 1879 | 741 | 205 | 16 | 524 |
| 221, 671 | Same ..... Cigar-mold | Nov. 18, 1879 | 617 | 173 | 16 | 915 |
| 214, 243 | Duc, Henry A., jr., Charleston, S. C. Attrition-mill | Apr. 15, 1879 | 612 | 174 | 15 | 567 |
| | Ducker, Henry E. (*See* Twing & Ducker.) | | | | | |
| 211, 718 | Duckworth, John C., assignor to E. S. Higgins & Co., New York, N. Y. Power-loom | Jan. 28, 1879 | 760 | 213, 214, 215 | 15 | 104 |
| 218, 002 | Duesh, Henry, Baltimore, Md. Metal-drilling machine | July 29, 1879 | 1230 | 352 | 16 | 198 |
| | Dudley, George D. (*See* Sherwood & Dudley.) | | | | | |
| 213, 099 | Dudley, George D., assignor to Woods, Sherwood & Co., Lowell, Mass. Bridle-bit for horses | Mar. 11, 1879 | 402 | 111 | 15 | 356 |
| 222, 878 | Dudley, Samuel H., Bantam Falls, Conn. Road-scraper | Dec. 23, 1879 | 895 | 258 | 16 | 1163 |
| | Duffee, Henry B., *et al.* (*See* Steel, Robert, assignor.) | | | | | |
| | Duffey, F. B. (*See* Rowen & Miller, assignors.) | | | | | |
| 220, 357 | Duffy, Joseph, and H. Whorwell, Paterson, N. J. Spindle | Oct. 7, 1879 | 164 | 43 | 16 | 657 |
| 218, 244 | Duffy, Michael C., and F. H. Davids, assignors to Patent Composite Fire Light Company (limited), London, England. Composite fire-light | Aug. 5, 1879 | 159 | ..... | 16 | 242 |
| | Duffy, Patrick F. (*See* Allen & Duffy.) | | | | | |
| | Duffy, Patrick F., *et al.* (*See* Hege, Constantine A., assignor.) | | | | | |
| 214, 895 | Du Four, Joseph L. M., Bound Brook, N. J. Toy wind-wheel | Apr. 29, 1879 | 1381 | 384 | 15 | 681 |
| | Dugger, Daniel. (*See* Harvey, Washington L., assignor.) | | | | | |
| | Duggins, George G. (*See* Pulliam, Luther, assignor.) | | | | | |
| 211, 893 | Duhem, Constant, San Francisco, Cal. Apparatus for washing and amalgamating ores | Feb. 4, 1879 | 80 | 23 | 15 | 136 |
| 211, 719 | Duke, Patrick H., assignor to T. C. Williams & Co., Richmond, Va. Marking plug-tobacco | Jan. 28, 1879 | 767 | 215 | 15 | 105 |
| 212, 545 | Dummer, Samuel R., Jersey City, N. J. Needle-case | Feb. 25, 1879 | 871 | 241 | 15 | 253 |
| 212, 860 | Du Motay, Cyprien M. T., Paris, France, and E. Stern, New York, N. Y. Electric light | Mar. 4, 1879 | 92 | 27 | 15 | 316 |
| 213, 789 | Same ..... Process and apparatus for melting ores in their natural situation | Apr. 1, 1879 | 63 | 20 | 15 | 484 |
| 8, 695 | Du Motay, Cyprien M. T., Paris, France, assignor to E. Stern. Process and apparatus for generating combustible gases ..... (Reissue) | May 6, 1879 | 251 | 74 | 15 | 734 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 219, 037 | Du Motay, Cyprien M. T., Paris, France, and L. F. Beckwith, New York, N. Y. Method and means of ventilating mines, &c., and operating machinery therein | Aug. 26, 1879 | 1090 | 306 | 16 | 397 |
| 221, 753 | Same.....Production of cold in ice-machines | Nov. 18, 1879 | 710 | ..... | 16 | 928 |
| 216, 118 | Du Motay, Cyprien T., and E. J. Jerzmanowski, assignors to E. Stern, New York, N. Y. Apparatus for the production of gas for metallurgical and other purposes | June 3, 1879 | 115 | 33 | 15 | 899 |
| 216, 119 | Same.....Gas-generator | June 3, 1879 | 116 | 34 | 15 | 899 |
| 216, 584 | Same.....Process and apparatus for manufacturing carbonic acid | June 17, 1879 | 660 | 188 | 15 | 986 |
| | Dunbar, George H., *et al.* (*See* King, Horace W., assignor.) | | | | | |
| | Same.....(*See* Sangster, James, assignor.) | | | | | |
| | Dunbar, Henry D. (*See* Rodgers, William W., assignor.) | | | | | |
| 218, 003 | Dunbar, John, Springfield, Mass. Seam for woven wire in paper-machines | July 29, 1879 | 1230 | 352 | 16 | 199 |
| 216, 607 | Dunbar, John H., Philadelphia, Pa. Dasher for ice-cream freezers | June 17, 1879 | 687 | 196 | 15 | 989 |
| | Dunbar, Robert, *et al.* (*See* King, Horace W., assignor.) | | | | | |
| | Same .... (*See* Sangster, James, assignor.) | | | | | |
| | Dunbar & Son, Robert. (*See* Gardner, Frederick A., assignor.) | | | | | |
| 220, 360 | Dunbrack, Charles H., Jacksonville, Ill. Feed-steamer | Oct. 7, 1879 | 166 | 44 | 16 | 657 |
| 221, 042 | Same.....Fruit-picker | Oct. 28, 1879 | 989 | 262 | 16 | 791 |
| 222, 182 | Duncan, James M., and G. Jones, Chattanooga, Tenn. Machine for curving railway-rails | Dec. 2, 1879 | 75 | 18 | 16 | 1019 |
| 218, 506 | Duncan, John A., Kansas City, Mo. Barbed fence-wire | Aug. 12, 1879 | 465 | 130 | 16 | 294 |
| 215, 591 | Duncan, John E., and A. B. Alden, Boscobel, Wis. Permutation-lock | May 20, 1879 | 723 | 211 | 15 | 809 |
| 215, 590 | Duncan, Thomas, West New Annan, Nova Scotia. Gun-lock | May 20, 1879 | 722 | 211 | 15 | 808 |
| | Dunham, Austin C., *et al.* (*See* Metcalfe, Samuel, assignor.) | | | | | |
| | Dunham, David W., *et al.* (*See* Follett & Fellows, assignors.) | | | | | |
| 8, 555 | Dunham, George B., Philadelphia, Pa., assignor to J. G. Buzzell & Co., Lynn, Mass. Buffing-mandrel.....(Reissue) | Jan. 28, 1879 | 894 | 251 | 15 | 122 |
| 220, 359 | Dunham, John S., assignor to Dunham Manufacturing Company, Saint Louis, Mo. Desiccated cocoa-nut | Oct. 7, 1879 | 165 | ..... | 16 | 657 |
| 218, 431 | Dunham, Joseph S., Salem, N. J. Scouring and scrubbing brush | Aug. 12, 1879 | 376 | 103 | 16 | 282 |
| | Dunham Manufacturing Company. (*See* Dunham, John S., assignor.) | | | | | |
| 8, 693 | Dunham, Royal S., Cold Water, Mich. Draft-regulating damper.....(Reissue) | May 6, 1879 | 250 | 73 | 15 | 734 |
| | Dunham, Samuel G., *et al.* (*See* Metcalfe, Samuel, assignor.) | | | | | |
| 220, 358 | Dunham, Thomas H., Boston, Mass. Manufacture of oakum | Oct. 7, 1879 | 164 | ..... | 16 | 657 |
| 211, 720 | Dunks, Charles H., New York, N. Y. Folding cot | Jan. 28, 1879 | 768 | 215 | 15 | 105 |
| 220, 753 | Dunlap, Noah W., Erie, Pa. Safety device for steam-pumps | Oct. 21, 1879 | 633 | 169 | 16 | 736 |
| 214, 896 | Dunlap, William, assignor of one-fourth interest to H. Morris, Philadelphia, Pa. Spring-perch for vehicles | Apr. 29, 1879 | 1381 | 384, 385 | 15 | 681 |
| 212, 448 | Dunlevy, Harrison H., assignor of one-half interest to W. A. Wilson, Wheeling, W. Va. Machine for crozing and chamfering staves | Feb. 18, 1879 | 738 | 203 | 15 | 227 |
| 212, 362 | Dunn, George, and F. Hollister, North Wilbraham, Mass. Method and apparatus for producing a vacuum in the suction-box of paper-machines | Feb. 18, 1879 | 626 | 176 | 15 | 212 |
| 222, 879 | Dunn, Gertrude A., Chicago, Ill. Paper dish and bucket | Dec. 23, 1879 | 896 | 258 | 16 | 1163 |
| | Dunn, Jefferson. (*See* Gray, Richard, assignor.) | | | | | |
| | Dunn, John J. (*See* Jackson, Andrew, assignor.) | | | | | |
| | Dunn, Leonard F. (*See* Burt & Dunn).....(Reissue.) | | | | | |
| 213, 637 | Dunn, William, assignor to I. B. McQuesten, Hamilton, Ontario, Canada. Saw-setting machine | Mar. 25, 1879 | 991 | 282, 283 | 15 | 449 |
| 219, 701 | Dunn, William, assignor of one-half interest to D. B. Ruffner, Philadelphia, Pa. Nut-lock blank | Sept. 16, 1879 | 743 | 205 | 16 | 524 |
| 216, 161 | Dunn, William M., Graysville, Ga. Lumber-gage for saw-mills | June 3, 1879 | 157 | 47 | 15 | 905 |
| 218, 369 | Dunning, Frank A., Joliet, Ill. Holder for lamp-reflectors | Aug. 12, 1879 | 305 | 83 | 16 | 272 |
| 8, 569 | Dunning, William B., Geneva, N. Y. Base-burning stove for heating boilers. (Reissue) | Feb. 4, 1879 | 303 | 82, 83 | 15 | 164 |
| 213, 039 | Same.....Pitman-connection for harvesters | Mar. 11, 1879 | 325 | 91, 92 | 15 | 347 |
| 218, 720 | Dunweedy, William K., Eagle Mills, Mich. Switch-bar | Aug. 19, 1879 | 712 | 203 | 16 | 336 |
| 213, 499 | Duparquet, Louis F., and P. Huet, New York, N. Y. Range | Mar. 25, 1879 | 840 | 237 | 15 | 430 |
| | Dupont, Eugene. (*See* Conn & Dupont.) | | | | | |
| 219, 078 | Dupre, Misael, Lowell, Mass. Wardrobe-bedstead | Sept. 2, 1879 | 25 | 8 | 16 | 415 |
| 215, 726 | Dupuy, Charles M., Philadelphia, Pa. Furnace for reducing oxide ores | May 27, 1879 | 874 | 256 | 15 | 837 |
| 216, 838 | Durand, Albert A., New York, N. Y. Mechanical cow-milker | June 24, 1879 | 959 | 273 | 15 | 1034 |
| | Durand & Co. (*See* Durand, Wallace, assignor.) | | | | | |
| | Durand, Frederic. (*See* Stuart, Levi B., assignor.) | | | | | |
| 211, 137 | Durand, Wallace, assignor to Durand & Co., Newark, N. J. Game-counter | Jan. 7, 1879 | 65 | 20 | 15 | 9 |
| 219, 152 | Durel, Charles P., New Orleans, La. Turn-table | Sept. 2, 1879 | 105 | 31 | 16 | 426 |
| 216, 317 | Du Rette, Benedict G., Kosciusko, Miss. Medical compound | June 10, 1879 | 350 | ..... | 15 | 936 |
| | Durlach, Elias, *et al.* (*See* Kenworthy & Clark, assignors.) | | | | | |
| | Durlach, Elias, *et al.* (*See* Nye, Charles H., assignor.) | | | | | |
| | Durham, Frederick W. (*See* Koch & Durham.) | | | | | |
| 212, 793 | Dürkopp, Nicolaus, Bielefeld, Prussia. Feeding device for sewing-machines | Mar. 4, 1879 | 16 | 5 | 15 | 299 |
| 216, 029 | Durocher, Olivier, Ottawa, Ontario, Canada. Laced shoe | June 3, 1879 | 27 | 7 | 15 | 888 |
| 220, 361 | Dury, Henry M., Edgefield, Tenn. Apparatus for coating pills | Oct. 7, 1879 | 167 | 44 | 16 | 657 |
| 214, 376 | Duryea, Wright, Glen Cove, N. Y. Heating apparatus | Apr. 15, 1879 | 780 | 220 | 15 | 588 |
| 213, 040 | Duryee, Schuyler, Falls Church, Va. File case or box | Mar. 11, 1879 | 327 | 92 | 15 | 347 |
| | Dusenbury, C. Coles. (*See* Doyle, John, assignor.) | | | | | |
| | Dusenbury, C. Coles, *et al.* (*See* McNett, Lyman F., assignor).....(Reissue.) | | | | | |
| 213, 181 | Dustin, Leander, Elizabeth, N. J., assignor to Singer Manufacturing Company, New York, N. Y. Sewing-machine | Mar. 11, 1879 | 496 | 138 | 15 | 368 |
| | Dutcher Temple Company. (*See* Quackenboss, Philip P., assignor.) | | | | | |
| 219, 350 | Dutemple, William R., assignor of one-half interest to I. M. Hopkins, Providence, R. I. Button and stud | Sept. 9, 1879 | 346 | 98 | 16 | 464 |
| | Dutton, Rufus. (*See* Törnquist, Alfred, assignor.) | | | | | |
| 211, 894 | Dutton, Rufus, Yonkers, N. Y. Differential gearing | Feb. 4, 1879 | 81 | 23 | 15 | 136 |
| 212, 134 | Same.....Harvesting-machine | Feb. 11, 1879 | 365 | 100 | 15 | 175 |
| 212, 135 | Same.....Mowing-machine | Feb. 11, 1879 | 366 | 100 | 15 | 175 |
| 212, 303 | Dutton, Rufus, Yonkers, and A. Törnquist, New York, N. Y.; said Törnquist assignor to said Dutton. Harvesting-machine | Feb. 18, 1879 | 559 | 157 | 15 | 203 |
| 211, 463 | Duty, Andrew W., Cleveland, O. Brick-kiln | Jan. 21, 1879 | 458 | 130 | 15 | 62 |
| 214, 118 | Duvall, William T., Georgetown, D. C. Millstone-driver | Apr. 8, 1879 | 461 | 131 | 15 | 538 |
| 218, 245 | Duwelius, Charles H., Richmond, Ind. Pump | Aug. 5, 1879 | 159 | 42 | 16 | 242 |
| | Dwinell, John B. (*See* Bradnon, Samuel J., assignor.) | | | | | |
| 213, 878 | Dyer, Charles V., Elgin, Tex. Plow | Apr. 1, 1879 | 163 | 48 | 15 | 493 |
| 219, 079 | Dyer, David A., Ferndale, Cal. Faucet | Sept. 2, 1879 | 26 | 8 | 16 | 416 |
| 222, 128 | Dyer, Edward B., assignor of one-half interest to A. Ransom, Chicago, Ill. Feathers | Dec. 2, 1879 | 13 | 4 | 16 | 1010 |

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| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214, 377 | Dyer, Fayette, Rock Falls, Ill. Step-ladder | Apr. 15, 1879 | 781 | 220 | 15 | 589 |
| 211, 388 | Dyer, George H., New York, N. Y. Implement for holding hot corn | Jan. 14, 1879 | 373 | 107 | 15 | 48 |
| | Dyer, George W., *et al.* (*See* North, George F., assignor.) | | | | | |
| 217, 846 | Dyer, James M., assignor of seven-eighths interest to W. T. Beadles, J. C. Thompson, A. Neff, H. M. Harrison, J. L. Griffith, A. Tainter, and P. W. King, Bushnell, Ill. Car-coupling | July 22, 1879 | 1046 | 299 | 16 | 168 |
| 217, 780 | Dyke, Wentworth, Norwalk, Mich. Drag-sawing machine | July 22, 1879 | 969 | 278 | 16 | 158 |
| 212, 842 | Dykes, George J., Floyd County, Ga. Vehicle-axle nut | Mar. 4, 1879 | 70 | 21 | 15 | 307 |
| 214, 897 | Dykes, James L., assignor to self and M. Reiss, Demopolis, Ala. Pole attachment for vehicles | Apr. 29, 1879 | 1382 | 385 | 15 | 681 |
| | Dykes, John. (*See* Moore & Dykes.) | | | | | |
| | Dyott, Charles G. (*See* Dyott, Michael B. and C. G.) | | | | | |
| 213, 879 | Dyott, Michael B. and C. G., Philadelphia, Pa., assignors to said C. G. Dyott. Gas-burner | Apr. 1, 1879 | 163 | 48 | 15 | 493 |
| 218, 865 | Eagan, Matthew J., Greenbush, assignor of one-half interest to E. Backus, Nassau, N. Y. Handle for lifting or carrying boxes or barrels | Aug. 26, 1879 | 909 | 254 | 16 | 372 |
| | Eagle Lock Company. (*See* Gaylord, Edward L., assignor) (Reissue.) | | | | | |
| | Eames, Elisha D. (*See* Eames, Frederick W. and E. D.) | | | | | |
| 215, 592 | Eames, Frederick W., Watertown, N. Y. Vacuum-brake | May 20, 1879 | 725 | 211, 212 | 15 | 809 |
| 215, 593 | Eames, Frederick W. and E. D., Watertown, N. Y. Noise-muffler for vacuum-brakes | May 20, 1879 | 726 | 212 | 15 | 809 |
| 211, 721 | Eames, Henry H., San Francisco, Cal. Non-corrodible composition for quicksilver-condensers | Jan. 28, 1879 | 769 | 216 | 15 | 105 |
| 216, 561 | Same.....Smelting fine or dust ores | June 17, 1879 | 633 | 179 | 15 | 982 |
| 216, 562 | Same.....Hydrocarbon-vapor burner for heating purposes | June 17, 1879 | 634 | 179 | 15 | 982 |
| 222, 027 | Same.....Hydrocarbon-pressure generator | Nov. 25, 1879 | 1041 | 292 | 16 | 981 |
| | Earl, Benjamin A., *et al.* (*See* Halvorson, Halvor, assignor.) | | | | | |
| | Earl, Charles N. (*See* Hamilton & Earl.) | | | | | |
| 220, 815 | Earl, Frank A., Ypsilanti, Mich. Removable potance for watches | Oct. 21, 1879 | 709 | 188 | 16 | 745 |
| | Earl, Gardner, *et al.* (*See* Wilson, Samuel W., assignor.) | | | | | |
| | Earl, William, *et al.* (*See* Halvorson, Halvor, assignor.) | | | | | |
| | Earl, William S., *et al.* (*See* Wilson, Samuel W., assignor.) | | | | | |
| 222, 681 | Earle, Edward, Brooklyn, N. Y. Fishing-rod | Dec. 16, 1879 | 672 | 193 | 16 | 1121 |
| 222, 682 | Earle, Jeremiah H., Fall River, Mass. Bottle | Dec. 16, 1879 | 673 | 193 | 16 | 1121 |
| 222, 389 | Earle, Philip M., Clinton, Ill. Tile-gate | Dec. 9, 1879 | 310 | 87 | 16 | 1061 |
| 214, 119 | Earle, Sidney, Corry, Pa. Animal-trap | Apr. 8, 1879 | 462 | 132 | 15 | 538 |
| | Early, Andrew J. (*See* Woodson, Patton, Early & Woodson.) | | | | | |
| 212, 449 | Eason, Richard B., New York, N. Y. Combined drip-pan and self-oiler for bearings | Feb. 18, 1879 | 739 | 204 | 15 | 227 |
| | Eastern Paper Bag Company. (*See* Knight, Margaret E., assignor.) | | | | | |
| 222, 474 | Easterbrook, Thomas S., Toledo, Ohio. Signal-lantern | Dec. 9, 1879 | 417 | 118 | 16 | 1075 |
| 222, 347 | Easterbrook, William, Philadelphia, Pa. Coal-hod | Dec. 9, 1879 | 266 | 73 | 16 | 1055 |
| | Eastman, Ambrose. (*See* Haskell, Freeman, assignor.) | | | | | |
| 8, 905 | Eastman, George, Cambridge, Mass. Mirror and other frames (Reissue) | Sept. 23, 1879 | 1097 | 303 | 16 | 582 |
| | Easton, Leander. (*See* Farr & Easton.) | | | | | |
| 213, 553 | Eastwood, Benjamin, Paterson, N. J. Cam mechanism for changing the throw of a lever and connecting-rod | Mar. 25, 1879 | 900 | 257 | 15 | 437 |
| 217, 930 | Eaton, Asahel K., Brooklyn, N. Y. Compressible button for telephones | July 29, 1879 | 1152 | ..... | 16 | 189 |
| 222, 475 | Same.....Telephone | Dec. 9, 1879 | 417 | 118 | 16 | 1075 |
| 222, 476 | Same.....Telephonic circuit | Dec. 9, 1879 | 418 | 118 | 16 | 1075 |
| 220, 362 | Eaton, Isaac, Nashua, N. H. Spindle for cop-shuttles | Oct. 7, 1879 | 168 | 44 | 16 | 657 |
| | Eaton, James, *et al.* (*See* Simmons, Adolphus I., assignor.) | | | | | |
| | Eaton, J. Emory, *et al.* (*See* Simmons, Adolphus I., assignor.) | | | | | |
| 220, 461 | Eaton, John, Oil City, Pa. Rubber or gum-packing for oil-wells | Oct. 7, 1879 | 275 | 74 | 16 | 673 |
| 8, 691 | Eaton, Robert W., Watsonville, Cal. Spoke-tenoning machine (Reissue) | Apr. 29, 1879 | 1469 | 408 | 15 | 694 |
| 218, 721 | Same.....Spoke-tenon auger | Aug. 19, 1879 | 713 | 203 | 16 | 336 |
| 213, 100 | Eaton, Samuel C., Piermont, N. Y. Preparing paper and other fabrics and materials for protecting metals | Mar. 11, 1879 | 403 | ..... | 15 | 356 |
| 215, 810 | Eaton, Thomas W., Chicago, Ill. Mechanical movement | May 27, 1879 | 967 | 283 | 15 | 849 |
| 211, 557 | Eavenson, James I., Paoli, Pa. Plow | Jan. 21, 1879 | 561 | 159 | 15 | 74 |
| 221, 798 | Same.....same | Nov. 18, 1879 | 776 | 217 | 16 | 935 |
| 216, 261 | Eayrs, Winslow P., Nashua, N. H. Bottle-stopper fastener | June 10, 1879 | 283 | 83 | 15 | 928 |
| | Eberbach, Zachary T. (*See* Harmon, William, assignor.) | | | | | |
| 211, 464 | Eberhard, Friedrich, Whitesville, Mo. Smith's tongs | Jan. 21, 1879 | 459 | 130 | 15 | 62 |
| 8, 997 | Eberhardt, John A., Cincinnati, Ohio. Process and apparatus for mashing grain. (Reissue) | Sept. 30, 1879 | 1339 | 369, 370 | 16 | 624 |
| 215, 811 | Same.....Process and apparatus for mashing grain | May 27, 1879 | 968 | 283 | 15 | 849 |
| | Eberly, Daniel H. (*See* Emery & Eberly.) | | | | | |
| 216, 262 | Eberly, Emanuel, assignor of two-thirds interest to J. V. Emmitt and H. C. Ward, Sterling, Ill.; said Ward assignor to said Emmitt. Thill-coupling jack | June 10, 1879 | 284 | 83 | 15 | 928 |
| | Eberman, Isabel. (*See* Cain, John, assignor.) | | | | | |
| 214, 634 | Ebersole, John, Chambersburg, Pa. Water-wheel | Apr. 22, 1879 | 1080 | 303 | 15 | 635 |
| 212, 304 | Ebert, William T., Pittsburg, Pa. Game apparatus | Feb. 18, 1879 | 560 | 157 | 15 | 204 |
| 220, 588 | Ebner, Eduard, Berlin, Prussia, Germany. Dress-adjuster | Oct. 14, 1879 | 445 | 115 | 16 | 702 |
| 213, 326 | Ecaubert, Frédéric, New York, N. Y. Punching-press | Mar. 18, 1879 | 660 | 186 | 15 | 398 |
| 214, 029 | Eccard, Adolf, Washington, D. C. Speaking-telephone | Apr. 8, 1879 | 341 | 98 | 15 | 525 |
| | Eccleston, Frank. (*See* Johnson & Eccleston.) | | | | | |
| 218, 004 | Eckart, Emil, assignor to A. Shoeninger, Chicago, Ill. Child's carriage | July 29, 1879 | 1231 | 353 | 16 | 199 |
| 216, 563 | Eckart, William R., Gold Hill, Nev. Compressed-air engine | June 17, 1879 | 635 | 180 | 15 | 982 |
| | Eckerly, William A. (*See* Dimelow, John, assignor.) | | | | | |
| 217, 077 | Eckert, Levi, Constantine, Mich. Barrel-swinger for store-counters | July 1, 1879 | 171 | 50 | 16 | 24 |
| | Eckes, Peter J., *et al.* (*See* Hildenbrand, George F., assignor.) | | | | | |
| 216, 318 | Eckhard, Charles, New York, N. Y. Book-cover | June 10, 1879 | 351 | 102 | 15 | 936 |
| 219, 702 | Eckhoff, Jacob, Oakland, Cal. Bilge-water gage | Sept. 16, 1879 | 744 | 206 | 16 | 524 |
| 217, 732 | Eckstein, Moses, Philadelphia, Pa. Ventilator for bulk-windows | July 22, 1879 | 927 | 266 | 16 | 152 |
| | Eclipse Wind Mill Company. (*See* Wheeler, Leonard H., assignor) (Reissue.) | | | | | |
| 214, 496 | Eddy, Horace D., assignor of one-half interest to R. Foster, Glenville, Ohio. Sod-trimmer | Apr. 22, 1879 | 918 | 259 | 15 | 615 |
| 219, 703 | Eddy, Robert H., Leavenworth, Kans. Fence-post | Sept. 16, 1879 | 745 | 206 | 16 | 524 |
| 219, 926 | Eddy, Samuel M., Dalton, Ga. Goldwasher | Sept. 23, 1879 | 1000 | 278 | 16 | 569 |
| 222, 684 | Eddy, Wanton G., Jasper, Mich. Clothes-line stretcher | Dec. 16, 1879 | 675 | 194 | 16 | 1121 |
| | Eddystone Manufacturing Company (limited). (*See* Kinsbourg, Henri, assignor.) | | | | | |
| 217, 078 | Edel, John L., Gloversville, N. Y. Baby-walker | July 1, 1879 | 172 | 50 | 16 | 24 |
| 220, 589 | Edelblute, Charles W., assignor to self and M. H. Frost, Croton, Ohio. Machine for upsetting tires | Oct. 14, 1879 | 446 | 115 | 16 | 702 |

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| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 221,161 | Edelen, William R., assignor of one-half interest to B. F. Brundred, Oil City, Pa. Tubing-clamp and elevator for oil-wells | Nov. 4, 1879 | 26 | 7 | 16 | 816 |
| 221,162 | Same.....Casing-head cap for oil and other wells | Nov. 4, 1879 | 28 | 7, 8 | 16 | 816 |
| 221,673 | Same.....Device for supporting tubing or pipes in oil-wells | Nov. 18, 1879 | 619 | 174 | 16 | 916 |
| | Edeline, Émile. (*See* Véron & Edeline.) | | | | | |
| | Edgar, John. (*See* Norton & Edgar.) | | | | | |
| 218,432 | Edge, Charles A., Birmingham, Warwick County, England. Tramway | Aug. 12, 1879 | 376 | 103, 104 | 16 | 282 |
| | Edge, James S., jr. (*See* Deeley & Edge.) | | | | | |
| 219,868 | Edgecomb, Joseph, Gardiner, Me. Auger-handle | Sept. 23, 1879 | 877 | 241 | 16 | 552 |
| 8,906 | Edison, Thomas A., Menlo Park, N. J., assignor of one-half interest to G. B. Prescott. Quadruplex-telegraph repeater (Reissue) | Sept. 23, 1879 | 1098 | 304 | 16 | 582 |
| 213,554 | Edison, Thomas A., Menlo Park, N. J. Automatic telegraph | Mar. 25, 1879 | 900 | 257 | 15 | 437 |
| 214,636 | Same.....Electric light | Apr. 22, 1879 | 1081 | 303 | 15 | 635 |
| 214,637 | Same.....Thermal regulator for electric lights | Apr. 22, 1879 | 1082 | 304 | 15 | 635 |
| 217,781 | Edison, Thomas A., Menlo Park, N. J., assignor to Western Union Telegraph Company, New York, N. Y. Sextuplex telegraph | July 22, 1879 | 970 | 278 | 16 | 158 |
| 217,782 | Same.....Duplex telegraph | July 22, 1879 | 971 | 278 | 16 | 159 |
| 218,166 | Edison, Thomas A., Menlo Park, N. J. Magneto-electric machine | Aug. 5, 1879 | 70 | 18 | 16 | 230 |
| 218,167 | Same.....Apparatus for electric lights | Aug. 5, 1879 | 71 | 19 | 16 | 230 |
| 218,866 | Same.....Electric lighting apparatus | Aug. 26, 1879 | 910 | 254 | 16 | 373 |
| 219,393 | Same.....Dynamo-electric machine | Sept. 9, 1879 | 397 | 111 | 16 | 470 |
| 219,628 | Same.....Electric light | Sept. 16, 1879 | 659 | 183 | 16 | 513 |
| 221,957 | Same.....Telephone | Nov. 25, 1879 | 974 | 272, 273 | 16 | 972 |
| 222,390 | Edison, Thomas A., Menlo Park, N. J., assignor to Western Union Telegraph Company, New York, N. Y. Carbon telephone | Dec. 9, 1879 | 311 | 87 | 16 | 1062 |
| 222,881 | Edison, Thomas A., Menlo Park, N. J. Magneto-electric machine | Dec. 23, 1879 | 898 | 259 | 16 | 1164 |
| 217,594 | Edleblute, Lucius S., Cincinnati, Ohio. Plow | July 15, 1879 | 756 | 215 | 16 | 120 |
| 217,595 | Same.....Revolving horse hay-rake | July 15, 1879 | 757 | 215 | 16 | 120 |
| 222,683 | Same.....Vehicle-wheel hub | Dec. 16, 1879 | 674 | 193 | 16 | 1121 |
| 214,030 | Edmands, Artemas B., Milford, Mass. Setting eyelets and tubular rivets | Apr. 8, 1879 | 342 | 99 | 15 | 525 |
| 214,031 | Same.....Tool for setting eyelets | Apr. 8, 1879 | 343 | 99 | 15 | 525 |
| 216,728 | Edmands, George D., Milford, Mass. Spinning-ring | June 24, 1879 | 829 | 236 | 15 | 1018 |
| 216,729 | Same.....Tool for manufacturing spinning and twister rings | June 24, 1879 | 830 | 237 | 15 | 1018 |
| 216,730 | Same.....Tool for making spinning-rings | June 24, 1879 | 832 | 237 | 15 | 1019 |
| 216,731 | Same.....Spinning-ring | June 24, 1879 | 834 | 238 | 15 | 1019 |
| 214,635 | Edmiston, Robert H., Loveland, Colo. Grain-meter | Apr. 22, 1879 | 1080 | 303 | 15 | 635 |
| | Edmonds, Silas N. (*See* Sperry, Alfred W., assignor.) | | | | | |
| 8,997 | Edson, Jacob, Boston, and W. H. Haynes, Sudbury, assignors to H. Loud, Everett, Mass. Anti-frictional sheave for pulley-blocks, &c (Reissue) | Dec. 16, 1879 | 758 | 218 | 16 | 1133 |
| 219,235 | Edson, Jarvis B., Newark, N. J., assignor to Celluloid Manufacturing Company, New York, N. Y. Drying celluloid | Sept. 2, 1879 | 204 | 60 | 16 | 438 |
| 221,402 | Edson, Nathaniel T., New Orleans, La. Spoke-setting machine | Nov. 11, 1879 | 309 | 84 | 16 | 864 |
| 222,578 | Edwards, Abraham, Philadelphia, Pa. Seal-joint for water-closets, &c | Dec. 16, 1879 | 545 | 155 | 16 | 1103 |
| 216,162 | Edwards, Charles D., Albert Lea, Minn. Ditching-machine | June 3, 1879 | 158 | 47 | 15 | 905 |
| | Edwards, Charles S. (*See* Chilis, William S., assignor.) | | | | | |
| 222,880 | Edwards, Edward, South Charleston, Ohio. Seat | Dec. 23, 1879 | 897 | 259 | 16 | 1164 |
| 9,000 | Edwards, Ernest, assignor to J. R. Osgood, Boston, Mass. Printing from plates of gelatine (Reissue) | Dec. 23, 1879 | 1011 | ..... | 16 | 1180 |
| | Edwards, Granville M. (*See* Beatty & Edwards.) | | | | | |
| 216,163 | Edwards, Gustavus W., assignor of one-half interest to C. V. B. Slade, Brunswick, Mo. Seed-planter | June 3, 1879 | 159 | 47 | 15 | 905 |
| 219,452 | Edwards, Henry A., Chicago, Ill. Locomotive tram-wagon | Sept. 9, 1879 | 460 | 128 | 16 | 478 |
| 219,080 | Edwards, Nathaniel, Washington Court-House, Ohio. Corn-receiver | Sept. 2, 1879 | 27 | 8 | 16 | 416 |
| 211,558 | Edwards, Robert W., San Francisco, Cal. Finger-ring | Jan. 21, 1879 | 562 | 159 | 15 | 75 |
| 218,507 | Egan, William C., New York, N. Y. Shoe-fastening | Aug. 12, 1879 | 466 | 130 | 16 | 294 |
| 213,500 | Egerton, C. Calvert, and H. M. Green, Baltimore, Md.; said Green assignor to D. H. Walker, New York, N. Y. Circuit-closer for electric annunciators | Mar. 25, 1879 | 840 | 238 | 15 | 430 |
| 220,968 | Egerton, C. Calvert, Baltimore, assignor of one-half interest to W. Canby, Baltimore County, and B. G. Harris, Baltimore, Md. Hub-attaching device | Oct. 28, 1879 | 897 | 240 | 16 | 779 |
| 223,035 | Egerton, C. Calvert, and M. Snell, Baltimore, Md., and T. Snell, Toronto, Canada, assignors of one-third interest to J. Fryer, Baltimore County, Md. Stamp-canceling device | Dec. 30, 1879 | 1076 | 307 | 16 | 1199 |
| 215,050 | Egery, Thomas N., Bangor, Me. Saw-mandrel | May 6, 1879 | 74 | 22 | 15 | 712 |
| | Egge, Frederick. (*See* Smith & Egge.) | | | | | |
| 212,136 | Egge, Frederick, assignor to Smith & Egge Manufacturing Company, Bridgeport, Conn. Sash-weight attachment | Feb. 11, 1879 | 369 | 100 | 15 | 175 |
| 213,638 | Eggelston, Carloss, and T. W. Reed, assignors of one-fourth interest to J. B. Winn, Macon, Mo. Honey-comb frame | Mar. 25, 1879 | 993 | 283 | 15 | 450 |
| 221,043 | Ehle, Abram D., Marshalltown, Iowa. Can for oiling harness | Oct. 28, 1879 | 990 | 262 | 16 | 791 |
| 213,880 | Ehmann, Henry, Saint Louis, Mo. Vegetable-parer | Apr. 1, 1879 | 164 | 48 | 15 | 493 |
| 215,899 | Ehrenberg, Charles A., Brooklyn, N. Y. Solution for galvanic batteries | May 27, 1879 | 1069 | ..... | 15 | 861 |
| 221,224 | Ehret, Anatole, assignor of one-half interest to F. X. Cicott, San Francisco, Cal. Steam-engine | Nov. 4, 1879 | 93 | 24 | 16 | 824 |
| 218,370 | Ehrich, Adolph J. F., Lightfield, Minn. Draft-equalizer | Aug. 12, 1879 | 305 | 83 | 16 | 272 |
| | Eibach, Hermann A. (*See* Bielefeld, Eibach & Vogel.) | | | | | |
| 217,784 | Eichler, Julius W., and H. Hartig, Stuttgart, Germany. Gas-regulator | July 22, 1879 | 977 | 279 | 16 | 159 |
| 212,450 | Eickemeyer, Rudolf, Yonkers, N. Y. Web-tender for hat-forming machines | Feb. 18, 1879 | 740 | 204 | 15 | 227 |
| 212,910 | Same.....Hat-forming machine | Mar. 4, 1879 | 160 | 44, 45, 46 | 15 | 317 |
| 216,319 | Same.....Curling hat-brims | June 10, 1879 | 352 | 102 | 15 | 936 |
| 217,079 | Same.....Hat-shaving machine | July 1, 1879 | 172 | 50 | 16 | 24 |
| 217,783 | Same.....Hat sizing or fulling machine | July 22, 1879 | 972 | 279 | 16 | 159 |
| 213,405 | Eighmie, George D., Poughkeepsie, N. Y. Drawers | Mar. 18, 1879 | 741 | 208 | 15 | 409 |
| 214,898 | Einstein, Moritz, New York, N. Y. Hat and cap | Apr. 29, 1879 | 1383 | 385 | 15 | 681 |
| 219,351 | Eiselein, Adolph, Waconia, Minn. Corrugated hoop for barrels | Sept. 9, 1879 | 347 | 98 | 16 | 464 |
| | Eisenlord, Nathan. (*See* Cole & Eisenlord.) | | | | | |
| | Elder, J. A. (*See* Huffman, Philip, assignor.) | | | | | |
| 222,391 | Elder, James M., Indianapolis, Ind. Cultivator | Dec. 9, 1879 | 311 | 87 | 16 | 1062 |
| 218,722 | Eldridge, Henry, Jersey City, N. J. Spool | Aug. 19, 1879 | 714 | 203 | 16 | 337 |
| | Elgin National Watch Company. (*See* Corliss, Charles P., assignor.) | | | | | |
| 212,911 | Elias, Henry F., New York, N. Y. Dress-shirt | Mar. 4, 1879 | 170 | 46 | 15 | 318 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 221, 222 | Elkins, Thomas, Albany, N. Y. Refrigerating apparatus | Nov. 4, 1879 | 91 | 24 | 16 | 824 |
| 215, 900 | Ellacott, Joseph P., Chicago, Ill. Door-check | May 27, 1879 | 1070 | 311 | 15 | 862 |
| 215, 051 | Ellery, Charles, Albany, N. Y. Paper-feeding machine | May 6, 1879 | 75 | 23 | 15 | 712 |
| 219, 571 | Ellery, Frank, Castleton, Vt. Smoking-pipe | Sept. 16, 1879 | 590 | 165 | 16 | 504 |
| 211, 389 | Ellicott, Salvador, Steilacoom, Wash. Portable ladder-step | Jan. 14, 1879 | 373 | 107 | 15 | 48 |
| 212, 668 | Ellifrit, Richard T., Platte City, Mo. Peg-float | Feb. 25, 1879 | 998 | 277 | 15 | 270 |
| 218, 246 | Same.....Stopper | Aug. 5, 1879 | 160 | 43 | 16 | 242 |
| 223, 121 | Elliot, Henry C., New York, N. Y. Manufacture of clothing | Dec. 30, 1879 | 1183 | 333, 334 | 16 | 1213 |
| 220, 132 | Elliot, Richard, Plainfield, N. J. Earth-anger | Sept. 30, 1879 | 1248 | 343 | 16 | 611 |
| 218, 371 | Elliot, William H., New York, N. Y. Magazine fire-arm | Aug. 12, 1879 | 306 | 84 | 16 | 272 |
| 213, 881 | Elliott, Benton, Ellsworth, Wis. Shoe-holder | Apr. 1, 1879 | 165 | 48 | 15 | 494 |
| 214, 378 | Elliott, Charles J., and H. B. McCool, Pottsville, Pa. Hydrant-valve | Apr. 15, 1879 | 782 | 220 | 15 | 589 |
| 216, 030 | Same.....Oscillating valve | June 3, 1879 | 27 | 7, 8 | 15 | 888 |
| 221, 292 | Elliott, Charley R., Golden, Colo. Bag and sack fastener | Nov. 4, 1879 | 167 | 45 | 16 | 835 |
| 217, 080 | Elliott, James F., Princeton, Ill. Water-trough for hogs | July 1, 1879 | 176 | 51 | 16 | 24 |
| 213, 882 | Elliott, James R., assignor of one-half interest to F. P. Laws, Beebe Station, Ark. Fence | Apr. 1, 1879 | 166 | 49 | 15 | 494 |
| 211, 138 | Elliott, Josiah S., Chelsea, Mass. Harvester-grinder | Jan. 7, 1879 | 65 | 21 | 15 | 9 |
| 213, 982 | Elliott, Reginald H., Kirkwood, Mo. Water-heater and steam-generator | Apr. 8, 1879 | 285 | 82 | 15 | 518 |
| | Elliott, Theodore F. (*See* Hulbert & Elliott.) | | | | | |
| 218, 247 | Elliott, Thomas J., New York, N. Y. Folding chair | Aug. 5, 1879 | 161 | 43 | 16 | 242 |
| 220, 816 | Elliott, William T., assignor to Gold Medal Sewing Machine Company, Orange, Mass. Sewing-machine shuttle | Oct. 21, 1879 | 710 | 188 | 16 | 745 |
| 212, 912 | Elliott, William W., Denver, Colo. Swing | Mar. 4, 1879 | 171 | 47 | 15 | 318 |
| 211, 323 | Ellis, Darwin, Waterbury, and F. L. Ellis, Milldale, Conn. Manufacture of watch-keys | Jan. 14, 1879 | 299 | 89 | 15 | 39 |
| 214, 638 | Ellis, David L., Homer City, Pa. Machine for dressing millstones | Apr. 22, 1879 | 1083 | 304 | 15 | 635 |
| | Ellis, Frederick L. (*See* Ellis, Darwin and F. L.) | | | | | |
| 220, 817 | Ellis, George H., London, England. Stud for boots and shoes | Oct. 21, 1879 | 711 | 189 | 16 | 745 |
| | Ellis, George L. (*See* McKinley & Ellis.) | | | | | |
| 222, 579 | Ellis, George W., Philadelphia, Pa. Truss | Dec. 16, 1879 | 547 | 155 | 16 | 1103 |
| 216, 560 | Ellis, Isaac N., and R. W. Rule, Ayloier, Ontario, Canada. Mechanism for converting reciprocating into rotary motion | June 17, 1879 | 632 | 178, 179 | 15 | 982 |
| 211, 390 | Ellis, John H., Boston, assignor to self and S. K. Ellis, Waltham, Mass. Liniment | Jan. 14, 1879 | 374 | ..... | 15 | 48 |
| 219, 851 | Ellis, Seth C., Jersey City, N. J. Journal-box | Sept. 23, 1879 | 917 | 253 | 16 | 557 |
| | Ellis, Stephen K. (*See* Ellis, John H., assignor.) | | | | | |
| 221, 674 | Ellis, Thomas H., Saint Louis, Mo. Car-coupling | Nov. 18, 1879 | 621 | 174 | 16 | 916 |
| 218, 508 | Ellis, William H., Brooklyn, N. Y. Umbrella drip-cup | Aug. 12, 1879 | 467 | 130 | 16 | 294 |
| 213, 639 | Ellis, William J., Oakland, Ga. Seed-planter | Mar. 25, 1879 | 994 | 283 | 15 | 459 |
| 222, 477 | Ellison, James C., assignor to E. A. Greene, Philadelphia, Pa. Loom for weaving pile-fabrics | Dec. 9, 1879 | 419 | 119 | 16 | 1075 |
| | Ellison, William P., *et al.*, trustees. (*See* Crémérieux, Balthazard, assignor.) | | | | | |
| 222, 882 | Ellithorp, Solomon B., Rochester, N. Y. Waxing mechanism for sewing-machines | Dec. 23, 1879 | 899 | 259 | 16 | 1164 |
| 218, 119 | Ellithorpe, Albert C., Chicago, Ill. Elevator | Aug. 5, 1879 | 14 | 5 | 16 | 223 |
| 219, 927 | Ellrich, Robert C., assignor to Peck, Stow & Wilcox Company, Southington, Conn. Cupboard-latch | Sept. 23, 1879 | 1001 | 278 | 16 | 569 |
| 217, 352 | Ells, Charles S., Moline, Ill. Clevis | July 8, 1879 | 477 | 139 | 16 | 73 |
| 211, 502 | Ells, Josiah W., Pittsburg, Pa. Hoe | Jan. 21, 1879 | 496 | 141 | 15 | 67 |
| 217, 733 | Ellsworth, Henry W., Madison, N. J. Copy-book | July 22, 1879 | 928 | 266 | 16 | 152 |
| 214, 497 | Ellwood, Reuben, Sycamore, Ill. Horse hay-rake | Apr. 22, 1879 | 919 | 259, 260 | 15 | 615 |
| 211, 895 | Elmenhorst, Walter R., Jersey City, N. J. Centrifugal machine for liquoring hard sugar | Feb. 4, 1879 | 83 | 24 | 15 | 136 |
| 217, 004 | Elmer, Elisha S., Hartford, Conn. Hitching-post | July 1, 1879 | 81 | 24 | 16 | 13 |
| 217, 684 | Elmer, William W., Bay City, Mich. Process and apparatus for the manufacture of salt | July 22, 1879 | 875 | 249 | 16 | 145 |
| | Elson & Lauferty. (*See* Kleinberger, Oscar, assignor.) | | | | | |
| | Elson, W. K., *et al.* (*See* Hawley, Samuel F., assignor.) | | | | | |
| | Elster, Justus V., *et al.* (*See* Nelson, James S., assignor.) | | | | | |
| | Eltonhead, Edward Y. (*See* Wahl & Eltonhead.) | | | | | |
| 221, 044 | Elvin, Andrew, Paterson, N. J. Steam-boiler | Oct. 28, 1879 | 990 | 262 | 16 | 791 |
| 215, 444 | Elward, John H., Stillwater, Minn. Horse-power | May 20, 1879 | 552 | 162 | 15 | 786 |
| 8, 984 | Elwell, Henry H., South Norwalk, assignor to Norwalk Lock Company, Norwalk, Conn. Key (Reissue) | Dec. 2, 1879 | 256 | 70 | 16 | 1044 |
| 223, 036 | Ely, Philip, New York, assignor of one-half interest to J. Clayton, Brooklyn, N. Y. Apparatus for elevating and moving grain | Dec. 30, 1879 | 1077 | 307 | 16 | 1199 |
| | Ely, William H. (*See* Miller, David L., assignor.) | | | | | |
| 213, 814 | Emanuel, Emanuel, San Francisco, Cal. Combined writing-desk and work-table | Apr. 1, 1879 | 93 | 28 | 15 | 485 |
| | Embossing Company. (*See* Hyatt, Charles M., assignor.) | | | | | |
| | Same.....(*See* Pruyn & Hyatt, assignors.) | | | | | |
| | Embs, Henry. (*See* Johns & Embs.) | | | | | |
| 219, 236 | Emerson, Daniel L., Rockford, Ill. Combined reel and rake for harvesters | Sept. 2, 1879 | 206 | 61 | 16 | 439 |
| 219, 453 | Same.....same | Sept. 9, 1879 | 462 | 128, 129 | 16 | 479 |
| | Emerson, Fisher & Co. (*See* Sticker, Peter F., assignor.) | | | | | |
| 212, 843 | Emerson, George W., J. G. Buzzell, and C. W. Collyer, Lynn, Mass. Machine for opening and pressing seams in leather-work | Mar. 4, 1879 | 71 | 21 | 15 | 307 |
| 212, 794 | Emerson, James F., Wakefield, Mass. Shoe | Mar. 4, 1879 | 17 | 5 | 15 | 299 |
| 220, 710 | Same.....Bootee | Oct. 21, 1879 | 585 | 155 | 16 | 729 |
| | Emerson, Ralph. (*See* Jones & Emerson.) | | | | | |
| | Emerson, Ralph, *et al.* (*See* Nelson, John, assignor.) | | | | | |
| 217, 596 | Emerson, Richard, and G. Case; said Case assignor to said Emerson; said Emerson assignor of one-half interest to H. H. Mason, Sycamore, Ill. Grain-binder | July 15, 1879 | 758 | 215, 216 | 16 | 121 |
| | Emerson, Talcott & Co. (*See* Jones, James H., assignor.) | | | | | |
| | Emery, Charles G. (*See* Bolles, John W., assignor.) | | | | | |
| 214, 639 | Emery, Charles G., Brooklyn, N. Y. Chewing-tobacco | Apr. 22, 1879 | 1084 | ..... | 15 | 635 |
| 216, 164 | Emery, Charles G. and W. H., Brooklyn, N. Y.; said W. H. Emery assignor to said C. G. Emery. Cigarette-machine | June 3, 1879 | 161 | 47, 48, 49 | 15 | 905 |
| 215, 197 | Emery, Daniel W., Augusta, Me. Shingle-machine | May 6, 1879 | 244 | 71, 72 | 15 | 733 |
| 218, 372 | Emery, David H., Owego, N. Y. Spring road-wagon | Aug. 12, 1879 | 309 | 84 | 16 | 272 |
| 218, 005 | Emery, John G., assignor of one-half interest to M. Garland, Bay City, Mich. Lumber-trimming machine | July 29, 1879 | 1232 | 353 | 16 | 199 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 212, 204 | Emery, Stephen, and D. H. Eberly, Cameron, Mo. Harrow | Feb. 11, 1879 | 447 | 123 | 15 | 185 |
| | Emery, William H. (*See* Emery, Charles G. and W. H.) | | | | | |
| 211, 559 | Emmert, Ezra, Franklin Grove, Ill. Corn-planter | Jan. 21, 1879 | 563 | 159 | 15 | 75 |
| 212, 669 | Emmert, Ezra, Dixon, Ill. Corn-planter | Feb. 25, 1879 | 999 | 277 | 15 | 270 |
| | Emmert, John S., *et al.* (*See* Schlott, John H., assignor.) | | | | | |
| | Emmitt, John V. (*See* Bednar, Joseph F., assignor.) | | | | | |
| | Emmitt, John V., *et al.* (*See* Eberly, Emanuel, assignor.) | | | | | |
| | Emmons, Edgar B. (*See* Halfpenny & Emmons.) | | | | | |
| 213, 640 | Emory, Paschal P., Springfield, Mass. Discharge-valve for paper-pulp engines | Mar. 25, 1879 | 996 | 284 | 15 | 450 |
| 211, 979 | Emrich, Edward, assignor of one-half interest to E. Ocumpaugh, Rochester, N. Y. Sad-iron | Feb. 4, 1879 | 179 | 51 | 15 | 149 |
| | Enderis, Henry. (*See* Kraft, Gottlieb, assignor.) | | | | | |
| 214, 244 | Enders, Joseph, Louisville, Ky. Vehicle-spring | Apr. 15, 1879 | 617 | 174 | 15 | 568 |
| 211, 722 | Engers, Peter, Dorseyville, Pa. Musical-note tablet | Jan. 28, 1879 | 770 | 216 | 15 | 105 |
| 222, 259 | England, Bodo, Philadelphia Pa. Garment-hanger | Dec. 2, 1879 | 165 | 42 | 16 | 1031 |
| 221, 163 | England, Isaac W., Ridgewood, N. J. Cutting-instrument for envelopes, &c | Nov. 4, 1879 | 29 | 8 | 16 | 816 |
| 218, 509 | Engle, Stephen D., Hazleton, Pa. Tellurian | Aug. 12, 1879 | 467 | 131 | 16 | 294 |
| | Englebeck, Winfield J. (*See* Keller, Moses A., assignor.) | | | | | |
| 212, 913 | Engler, Nicholas J., Charlotte, Iowa. Heating-drum | Mar. 4, 1879 | 171 | 47 | 15 | 318 |
| 213, 983 | English, Luzon C., Caton, N. Y. Harrow | Apr. 8, 1879 | 286 | 83 | 15 | 518 |
| 220, 063 | Engström, Adele, Paris, France. Buckle | Sept. 30, 1879 | 1173 | 322 | 16 | 600 |
| 219, 237 | Ennett, Thomas, Rockford, Ill. Stump-extractor | Sept. 2, 1879 | 208 | 61, 62 | 16 | 439 |
| | Ennis, John. (*See* Pugsley, John G., assignor.) | | | | | |
| 215, 594 | Enoch, William, Springfield, Ohio. Wood-turning lathe | May 20, 1879 | 726 | 212 | 15 | 809 |
| 214, 286 | Enright, John, Cleveland, Ohio. Valve | Apr. 15, 1879 | 666 | 186 | 15 | 574 |
| | Ensminger, Christian. (*See* La Dow & Ensminger.) | | | | | |
| | Enterprise Manufacturing Company. (*See* Howson, Henry, assignor.) | | | | | |
| | Same.....(*See* Lyman, Alfred E. and A. W., assignors.) | | | | | |
| | Enterprise Manufacturing Company of Pennsylvania. (*See* Baker, John G., assignor.) | | | | | |
| | Enterprise Manufacturing Company of Pennsylvania, *et al.* (*See* Potts, Mary F., assignor).....(Reissue.) | | | | | |
| 217, 274 | Enticott, William, Allegheny, Pa. Self opening and closing bung | July 8, 1879 | 395 | 116 | 16 | 62 |
| 213, 641 | Entrekin, William G., Philadelphia, Pa. Photographic burnisher | Mar. 25, 1879 | 997 | 284 | 15 | 450 |
| 221, 799 | Entwistle, Thomas C., Hopedale, Mass. Expanding reed for warping and beaming machines | Nov. 18, 1879 | 778 | 217 | 16 | 936 |
| 217, 206 | Epler, Peter L., Elizabethtown, Pa. Lifting-jack | July 8, 1879 | 322 | 95 | 16 | 53 |
| 217, 518 | Epley, John W., Pope Valley, Cal. Quicksilver-furnace | July 15, 1879 | 667 | 190 | 16 | 109 |
| 221, 223 | Epping, Henry, assignor to self, J. D. Thompson, and W. H. Carpenter, Pittsburg, Pa. Cylinder-lining for pumps | Nov. 4, 1879 | 92 | 24 | 16 | 824 |
| 217, 081 | Epting, John, Stroudsbur, Pa. Floor-scrubber | July 1, 1879 | 177 | 51 | 16 | 25 |
| 211, 139 | Erb, Jesse H., Cleveland, Ohio. Fence-wire tightener | Jan. 7, 1879 | 67 | 21 | 15 | 9 |
| 213, 501 | Erbe, Barthel, Pittsburg, Pa. Reversible latch | Mar. 25, 1879 | 841 | 238 | 15 | 430 |
| 217, 353 | Erdman, Daniel H., Camden, N. J. Kitchen-range ventilator | July 8, 1879 | 478 | 139 | 16 | 73 |
| 217, 785 | Ericson, Nils W., Stockholm, Sweden. Apparatus for utilizing exhaust-steam | July 22, 1879 | 978 | 279 | 16 | 159 |
| 216, 385 | Ernst, George, Hoboken, N. J., assignor to Oelrichs & Co., New York, N. Y. Bag-fastener | June 10, 1879 | 434 | 123 | 15 | 947 |
| 222, 260 | Ernst, Otto, South Amboy, N. J. Building for cremation purposes | Dec. 2, 1879 | 165 | 43 | 16 | 1031 |
| 211, 391 | Erther, William F., Scott, Ohio. Calendar | Jan. 14, 1879 | 374 | 107 | 15 | 48 |
| | Ervin, Charles L. (*See* Krier & Ervin.) | | | | | |
| | Ervin, John H. (*See* Wheat, John W., assignor.) | | | | | |
| 215, 595 | Erwin, William, West Point, N. Y. Apparatus for supporting centers for masonry arches and floors | May 20, 1879 | 727 | 212 | 15 | 809 |
| 214, 498 | Esbach, Henry, Boston, Mass. Cornet | Apr. 22, 1879 | 921 | 260 | 15 | 615 |
| | Eshelman, John W. (*See* Mecartney, John B., assignor.) | | | | | |
| 216, 839 | Essex, Jeremiah, Bennington, Vt. Cop-tube | June 24, 1879 | 960 | 273 | 15 | 1034 |
| 217, 354 | Essick, Samuel V., Alliance, Ohio, J. W. Clapp, and W. G. Tillon, New Haven, Conn., assignors to Home Knitter Company, Canton, Ohio. Knitting-machine | July 8, 1879 | 479 | 139, 140 | 16 | 73 |
| 217, 082 | Essig, Ozia A., Canton, Ohio. Device for forming and inserting rings in the noses of hogs | July 1, 1879 | 178 | 51 | 16 | 25 |
| 215, 052 | Estabrook, George W., S. Wilhelm, J. Wisner, jr., and H. E. Gilliland, Bluffton, Ind.; said Gilliland and Wisner assignors to said Wilhelm and Estabrook. Flax-thrashing machine | May 6, 1879 | 76 | 23 | 15 | 712 |
| 219, 238 | Estabrook, Joseph M., assignor of one-half interest to E. L. Wires, Milford, Mass. Shoe-nail | Sept. 2, 1879 | 241 | 62 | 16 | 439 |
| 217, 597 | Estes, Charles E., Columbus, Ga. Cotton-wing sweep | July 15, 1879 | 760 | 216 | 16 | 121 |
| 217, 598 | Estes, George, Lowell, assignor of one-half interest to G. P. Loring, Boston, Mass. Carding-machine | July 15, 1879 | 760 | 216 | 16 | 121 |
| 220, 590 | Estes, John W., Belton, Mo. Washing-machine | Oct. 14, 1879 | 447 | 116 | 16 | 702 |
| 212, 205 | Estes, William A., China, Me., assignor of one-half interest to J. Boynton, Providence, R. I., and C. Gifford, Gardiner, Me. Plow | Feb. 11, 1879 | 447 | 123 | 15 | 185 |
| 219, 239 | Estlin, John S., Philadelphia, Pa. Apparatus for dissolving and washing clay | Sept. 2, 1879 | 212 | 62 | 16 | 439 |
| | Ethridge, Martin R. (*See* Shailer & Ethridge.) | | | | | |
| 211, 623 | Ethridge, Martin V. B., Boston, assignor, by mesne assignments, to G. W. Copeland, Malden, Mass. Machine for finishing boot-legs | Jan. 28, 1879 | 655 | 184 | 15 | 90 |
| 212, 093 | Ethridge, Martin V. B., Boston, Mass. Boot and shoe burnishing machine | Feb. 11, 1879 | 316 | 87 | 15 | 168 |
| 213, 815 | Etzensberger, Robert U., London, England. Apparatus for making infusions | Apr. 1, 1879 | 94 | 29 | 15 | 485 |
| 218, 867 | Same.....Coffee-pot | Aug. 26, 1879 | 911 | 254 | 16 | 373 |
| | Eureka Nailing Machine Company. (*See* Budlong, William G., assignor.) | | | | | |
| | Euverte, Jules. (*See* Valton, Euverte & Pourcel.) | | | | | |
| | Evans, Albert J. (*See* Trevor & Evans.) | | | | | |
| 217, 083 | Evans, Austin C., Springfield, Ohio. Corn-planter | July 1, 1879 | 178 | 51, 52 | 16 | 25 |
| 213, 883 | Evans, Clarence A., Baltimore, Md. Mold for the manufacture of heat-retaining coverings for steam-pipes, &c | Apr. 1, 1879 | 166 | 49 | 15 | 494 |
| | Evans, David H., *et al.* (*See* Sibert, Lorenzo, assignor.) | | | | | |
| 214, 762 | Evans, George A., Kingsey Township, Drummond County, Quebec, Canada. Self-creamer | Apr. 29, 1879 | 1230 | 345 | 15 | 661 |
| 213, 555 | Evans, George F., Mechanics Falls, Me. Magazine fire-arm | Mar. 25, 1879 | 902 | 258 | 15 | 438 |
| 219, 809 | Evans, George M., Pittsburg, Pa. Window | Sept. 23, 1879 | 878 | 242 | 16 | 552 |
| 216, 564 | Evans, George R., assignor of two-thirds interest to G. H. Hopper and J. Hutchinson, San Francisco, Cal. Amalgamator and concentrator | June 17, 1879 | 636 | 180 | 15 | 982 |
| 215, 053 | Evans, Henry, Newport, England. Machine for making wire nails and shoe-rivets | May 6, 1879 | 77 | 23, 24 | 15 | 712 |
| | Evans, Ivor J. (*See* Evans, Rees C., assignor.) | | | | | |
| | Evans, John. (*See* Evans, William, assignor).....(Reissue.) | | | | | |
| 219, 810 | Evans, John, Denbigh street, Pimlico, Middlesex County, England. Cigarette-machine | Sept. 23, 1879 | 880 | 242 | 16 | 552 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 220, 711 | Evans, John, Philadelphia, Pa. Machine for forming the eyes of carriage-springs | Oct. 21, 1879 | 586 | 155, 156 | 16 | 730 |
| | Evans & Loughlin. (*See* Davies, John P., assignor.) | | | | | |
| | Evans, Mowbry O. (*See* Bartlett & Evans.) | | | | | |
| 220, 064 | Evans, Othniel B., Philadelphia, Pa. Trap for wash-basins, &c | Sept. 30, 1879 | 1173 | 323 | 16 | 600 |
| 211, 653 | Evans, Rees C., assignor to I. J. Evans, Covington, Ky. Fly-tan | Jan. 28, 1879 | 693 | 194 | 15 | 95 |
| | Evans & Son, S. W. (*See* Smith, Orren M., assignor.) | | | | | |
| | Evans, Thomas D. (*See* Pryor, Daniel R., assignor.) | | | | | |
| 211, 231 | Evans, Thomas R., and F. S. Idesen, Baltimore, Md. Preparation of photographic pictures | Jan. 7, 1879 | 168 | ..... | 15 | 22 |
| 8, 612 | Evans, William, assignor to J. Evans, Philadelphia, Pa. Manufacture of ear-blanks for elliptic springs (Reissue) | Mar. 11, 1879 | 588 | 164 | 15 | 380 |
| 222, 392 | Evans, William, Philadelphia, Pa. Dumping-wagon | Dec. 9, 1879 | 312 | 88 | 16 | 1062 |
| 217, 353 | Evans, William G., Pleasanton, Kans. Railway-signal | July 8, 1879 | 482 | 140 | 16 | 73 |
| 223, 037 | Evarts, James M., New Haven, Conn. Machine for bending tubes | Dec. 30, 1879 | 1078 | 308 | 16 | 1200 |
| 213, 556 | Everding, John, assigner of one-half interest to A. S. Jenks, Philadelphia, Pa. Steam-generator | Mar. 25, 1879 | 903 | 258, 259 | 15 | 438 |
| 220, 712 | Same.....Steam-generator | Oct. 21, 1879 | 587 | 156, 157 | 16 | 730 |
| 712, 914 | Everest, Hiram B., Rochester, N. Y. Distillation of oils | Mar. 4, 1879 | 172 | 47 | 15 | 318 |
| 216, 386 | Everet, Charles G., Bellefontaine, Ohio. Corn-planter | June 10, 1879 | 435 | 124 | 15 | 947 |
| | Everett, Ambrose S. (*See* Baldwin, Frank S., assignor.) | | | | | |
| 217, 454 | Everett, John, Columbus, Ohio. Toe-weight for horses | July 15, 1879 | 601 | 172 | 16 | 100 |
| 222, 478 | Everett, Samuel H., Macedon, N. Y. Fertilizer-distributer | Dec. 9, 1879 | 421 | 119 | 16 | 1076 |
| | Everett, Thomas B. (*See* Shaw, Henry F., assignor.) | | | | | |
| 217, 786 | Everhart, Franklin P., and C. M. Kingsbury, Tama City, Iowa. Boiler-furnace | July 22, 1879 | 980 | 280 | 16 | 160 |
| 222, 883 | Everickx, Charles J., Paris, France. Folding chair, table, &c | Dec. 23, 1879 | 900 | 259, 260 | 16 | 1164 |
| 218, 947 | Everitt, Edwin B., West Meriden, Conn. Suspenders | Aug. 26, 1879 | 995 | 279 | 16 | 385 |
| 215, 727 | Everitt, Elisha E., Philadelphia, Pa. Wardrobe-bedstead | May 27, 1879 | 875 | 256 | 15 | 837 |
| 221, 800 | Eversole, Henry C., Dayton, Ohio. Invalid-waiter | Nov. 18, 1879 | 779 | 217 | 16 | 936 |
| 213, 984 | Everson, George R., Cincinnati, Ohio. Belt-punch | Apr. 8, 1879 | 287 | 83 | 15 | 518 |
| 220, 224 | Everson, George R., Cincinnati, Ohio, assignor of one-half interest to C. B. Rethweiler, Newport, Ky. Machine for bending sheets of metal | Oct. 7, 1879 | 15 | 4 | 16 | 637 |
| | Everson, Gilbert F. (*See* Grieve, George, assignor.) | | | | | |
| | Ewart, Andrew C. (*See* Shafer & Ewart.) | | | | | |
| 214, 763 | Ewart, Philo C., Springfield, Ohio. Car-coupling | Apr. 29, 1879 | 1231 | 345 | 15 | 661 |
| | Ewell, Edmund C. (*See* McDowell & Ewell.) | | | | | |
| | Ewing, Auguste B. (*See* Hardcastle, William R., assignor.) | | | | | |
| 215, 270 | Ewing, Charles, Washington, D. C. Apparatus for repressing cotton bales | May 13, 1879 | 349 | 101 | 15 | 750 |
| | Ewing, Robert A. (*See* Brazeal, Charles H., assignor.) | | | | | |
| 216, 263 | Ewing, Rufus B., Newark, Ohio. Machine for placing elastic tubing upon shafts or spindles | June 10, 1879 | 285 | 84 | 15 | 928 |
| 220, 818 | Eynon, William D., and W. Lloyd, Philadelphia, Pa. Rolling iron | Oct. 21, 1879 | 712 | 189 | 16 | 745 |
| 219, 629 | Eynon, William, Philadelphia, Pa., assignor to G. H. Russell, Newark, N. J. Pile of bars of steel and iron | Sept. 16, 1879 | 660 | 184 | 16 | 513 |
| 219, 630 | Same.....Horseshoe | Sept. 16, 1879 | 661 | 184 | 16 | 514 |
| 221, 403 | Eyster, George S., Halltown, W. Va. Machine for lining straw-board | Nov. 11, 1879 | 309 | 85 | 16 | 864 |
| 221, 225 | Eyster, Wilbur F., Chambersburg, Pa. Water-motor | Nov. 4, 1879 | 94 | 24 | 16 | 825 |
| | Faas, William F. (*See* McBride, Gideon, assignor.) | | | | | |
| 218, 248 | Faber Du Faur, Adolph, Newark, N. J., and F. Fohr, New York, N. Y. Making lead pigments | Aug. 5, 1879 | 161 | 43 | 16 | 242 |
| 220, 591 | Faber, John E., Port Richmond, N. Y. Lead-pencil | Oct. 14, 1879 | 448 | 116 | 16 | 703 |
| | Fagan, Edward. (*See* Connell & Fagan.) | | | | | |
| 215, 109 | Fagan, Thomas B., and M. W. Henry, Van Wert, Ohio. Fire-weed drag-saw | May 6, 1879 | 152 | 43 | 15 | 720 |
| 216, 663 | Fagan, Thomas B., assignor to self and A. E. Baker, Van Wert, Ohio. Drag-saw | June 17, 1879 | 742 | 212 | 15 | 997 |
| 214, 764 | Fagan, William, Washington, D. C. Pump | Apr. 29, 1879 | 1233 | 346 | 15 | 662 |
| 217, 455 | Fager, Anthony, assigner to J. B. Wilson, Canton, Ohio. Horse hay-rake | July 15, 1879 | 602 | 172 | 16 | 100 |
| 221, 541 | Fagersten, Lorenzo, Chicago, Ill. Preventing mold upon meats | Nov. 11, 1879 | 475 | ..... | 16 | 886 |
| | Fahs, J. F., *et al.* (*See* Kremer, Frank W., assignor.) | | | | | |
| 212, 363 | Failer, Andrew, Newton, Iowa. Sad-iron holder | Feb. 18, 1879 | 627 | 176 | 15 | 212 |
| 221, 958 | Fair, George W., Kayler City, Pa. Clamp for elevating tubing in oil-wells | Nov. 25, 1879 | 976 | 273 | 16 | 972 |
| 216, 664 | Fairbank, John H., assignor to self and J. A. Rhodes, McKeesport, Pa. Balanced valve | June 17, 1879 | 743 | 212 | 15 | 997 |
| | Fairbanks & Co., E. and T. (*See* Fairbanks, Franklin, assigner.) | | | | | |
| | Same .....(*See* Fairbanks & Spencer, assignors.) | | | | | |
| 217, 599 | Fairbanks, David, Rockingham, Vt. Tire setter and fastener | July 15, 1879 | 761 | 216 | 16 | 121 |
| 211, 392 | Fairbanks, Franklin, assignor to E. and T. Fairbanks & Co., Saint Johnsbury, Vt. Check-rod for platform-scales | Jan. 14, 1879 | 375 | 107 | 15 | 48 |
| 212, 364 | Fairbanks, Franklin, assignor to E. and T. Fairbanks & Co., Saint Johnsbury, Vt. Platform-scales | Feb. 18, 1879 | 628 | 177 | 15 | 212 |
| 213, 743 | Fairbanks, Franklin, and L. G. Spencer, assignors to E. and T. Fairbanks & Co., Saint Johnsbury, Vt. Platform-scales | Apr. 1, 1879 | 14 | 5 | 15 | 475 |
| 215, 216 | Fairchild, Charles G., Berea, Ky. Botanist's portable press | May 13, 1879 | 286 | 84 | 15 | 741 |
| 217, 787 | Fairchild, Frank L., Mount Vernon, Ohio. Traction-engine | July 22, 1879 | 981 | 280, 281 | 16 | 160 |
| 223, 122 | Same..... Machine for rolling wrought-metal tires for traction-wheels | Dec. 30, 1879 | 1184 | 334 | 16 | 1213 |
| 215, 813 | Fairchild, Le Roy W., New York, N. Y. Fountain-pen | May 27, 1879 | 971 | 284 | 15 | 850 |
| 216, 031 | Same.....Combined pencil and watch-key | June 3, 1879 | 29 | 8 | 15 | 888 |
| 219, 081 | Same.....Combined watch-chain bar and pencil | Sept. 2, 1879 | 27 | 8 | 16 | 416 |
| 213, 182 | Fairchild, Truman, and C. Hazeltine, Derby, Vt. Door-bolt | Mar. 11, 1879 | 497 | 138 | 15 | 368 |
| 215, 110 | Same.....Curry-comb | May 6, 1879 | 152 | 43 | 15 | 721 |
| 215, 812 | Fairlamb, Charles C., Mazo Manie, Wis. Milk-pan | May 27, 1879 | 970 | 284 | 15 | 849 |
| 222, 988 | Fairlamb, Charles C., Arena, Wis. Milk-can | Dec. 30, 1879 | 1027 | 294 | 16 | 1192 |
| 217, 356 | Fairman, Simon, Baltimore, Md. Combined car brake and coupler | July 8, 1879 | 483 | 141 | 16 | 74 |
| 222, 884 | Falb, David, Bluffton, Ind. Wheel-fastener | Dec. 23, 1879 | 901 | 260 | 16 | 1164 |
| 217, 084 | Falck, Henry L., and D. Neff, Millville, Ind. Harrow | July 1, 1879 | 181 | 52 | 16 | 25 |
| | Fales, Jenks & Sons *et al.* (*See* Atwood, John E., assignor) (Reissue.) | | | | | |
| 214, 287 | Fales, Thomas J., New York, N. Y. Steam-engine boiler and cylinder | Apr. 15, 1879 | 666 | 186 | 15 | 574 |
| 214, 288 | Same.....Stench-trap | Apr. 15, 1879 | 667 | 187 | 15 | 575 |
| 221, 452 | Same.....Bottom for steam-engine boilers | Nov. 11, 1879 | 362 | 100 | 16 | 871 |
| 216, 732 | Faling, Charles H., Tonawanda, N. Y. Blast-regulator for grain-separaters | June 24, 1879 | 835 | 238 | 15 | 1019 |
| 212, 915 | Fall, George A., Hoboken, N. J. Coal slide or chute | Mar. 4, 1879 | 173 | 47 | 15 | 318 |
| 8, 650 | Fallows, James, assigner, by mesne assignments, to H. Whitney and E. D. Goodrich, Cambridge, Mass. Sheet-metal spoon (Reissue) | Apr. 1, 1879 | 254 | 74 | 15 | 505 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 8,873 | Fallows, James, assignor, by mesne assignments, to H. Whitney and E. D. Goodrich, Cambridge, Mass. Sheet-metal spoon (Reissue) | Aug. 26, 1879 | 1122 | 314 | 16 | 402 |
| 222,479 | Faltoni, Pompeo, Moncalieri, Italy. Gas-burner | Dec. 9, 1879 | 421 | 120 | 16 | 1076 |
| | Fanning, Charles I. (*See* Sadler, James, assignor.) | | | | | |
| 8,663 | Fanning, David H., Worcester, Mass., assignor to self and T. C. Bates. Corset. (Reissue) | Apr. 8, 1879 | 586 | 165, 166 | 15 | 554 |
| | Fanning, D. H., *et al.* (*See* Hill, Lucian, assignor.) | | | | | |
| 217,519 | Fanning, John, assignor to I. Williams and J. P. Fanning, Brooklyn, N. Y. Lemon-squeezer | July 15, 1879 | 668 | 191 | 16 | 109 |
| | Fanning, Josephine P., *et al.* (*See* Fanning, John, assignor.) | | | | | |
| | Farber, John. (*See* Stiefenhofer, Franz X., assignor.) | | | | | |
| 211,560 | Farber, Mannasseh W., assignor of one-half interest to C. H. Smith and J. Stubbs, Mount Pleasant, Iowa. Ditching-machine | Jan. 21, 1879 | 563 | 159, 160 | 15 | 75 |
| 211,561 | Farber, Mannasseh W., assignor of two-thirds interest to J. Stubbs and C. H. Smith, Mount Pleasant, Iowa. Road-scraper | Jan. 21, 1879 | 565 | 160 | 15 | 75 |
| | Fargo, Charles E., *et al.* (*See* White, Hugh, assignor) (Reissue.) | | | | | |
| | Fargo, Charles H., *et al.* (*See* White, Hugh, assignor) (Reissue.) | | | | | |
| | Fargo, Samuel M., *et al.* (*See* White, Hugh, assignor) (Reissue.) | | | | | |
| 8,635 | Farley, Henry W., Oswego, assignor to C. H. Smith and J. Hewitt, Chicago, Ill. Lightning-rod (Reissue) | Mar. 25, 1879 | 1092 | 310 | 15 | 463 |
| 216,165 | Farley, Henry W., Oswego, Ill. Car-axle bearing | June 3, 1879 | 166 | 49, 50 | 15 | 906 |
| 221,293 | Farley, John S., Waddam's Grove, Ill. Creaming-can | Nov. 4, 1879 | 167 | 46 | 16 | 835 |
| | Farley, Patrick W. (*See* Anderson & Farley.) | | | | | |
| 217,520 | Farley, Robert, New York, N. Y. Press for cotton and other substances | July 15, 1879 | 669 | 191 | 16 | 109 |
| 222,818 | Farmer, David J. and S., Penn Yan, N. Y. Machine for swaging horseshoes | Dec. 23, 1879 | 825 | 236, 237 | 16 | 1153 |
| 211,980 | Farmer, George L., Rockford, Ill. Churn-lid | Feb. 4, 1879 | 180 | 51 | 15 | 149 |
| | Farmer, George P. (*See* Fest, Charles, assignor.) | | | | | |
| 222,482 | Farmer, George P., Mont Clair, N. J. Button-card | Dec. 9, 1879 | 424 | 120 | 16 | 1076 |
| | Farmer, Joseph W. (*See* Bowles & Farmer.) | | | | | |
| 213,643 | Farmer, Moses G., Newport, R. I. Electric light | Mar. 25, 1879 | 999 | 284 | 15 | 450 |
| | Farmer, Samuel. (*See* Farmer, David J. and S.) | | | | | |
| | Farmers' Friend Manufacturing Company. (*See* Case, Jarvis, assignor) (Reissue.) | | | | | |
| | Farmers' Manufacturing Company. (*See* Heller, Daniel, assignor.) | | | | | |
| 223,123 | Farnham, Charles T., Lawrence, Mass. Stone-dressing or mill-stone-pick hammer | Dec. 30, 1879 | 1185 | 335 | 16 | 1214 |
| 212,206 | Farnham, Frank G., Hawley, Pa. Pliers for attaching shoe and glove fastenings | Feb. 11, 1879 | 448 | 123 | 15 | 185 |
| 215,513 | Farnsworth, Enoch, Bell Township, Jefferson County, Pa., assignor to H. Farnsworth, Dysart, Iowa. Stump-extractor | May 20, 1879 | 634 | 185 | 15 | 797 |
| | Farnsworth, Henry. (*See* Farnsworth, Enoch, assignor.) | | | | | |
| 213,642 | Farnum, William C., Hoosick Falls, N. Y. Ball-toy | Mar. 25, 1879 | 998 | 284 | 15 | 450 |
| 216,514 | Same.....Weighing-scales | June 17, 1879 | 584 | 166 | 15 | 975 |
| 217,685 | Farquharson, Hivell D., Boscobel, Wis. Addressing-machine | July 22, 1879 | 876 | 250 | 16 | 145 |
| 218,006 | Farr, Hiram G., New York, N. Y. Heel-stiffener | July 29, 1879 | 1233 | 353 | 16 | 199 |
| 214,499 | Farr, William L., and L. Easton, Neoga, Ill. Fence | Apr. 22, 1879 | 922 | 260 | 15 | 615 |
| 221,542 | Farrar, Sanford L., Bath, assignor to self and N. H. Landers, Auburn, Me. Steam-cooker | Nov. 11, 1879 | 476 | 129 | 16 | 886 |
| | Farrar, Ward B. (*See* Field & Farrar.) | | | | | |
| 211,896 | Farrel, John, New York, N. Y. Fire-proof safe | Feb. 4, 1879 | 84 | 24 | 15 | 136 |
| 213,406 | Farrell, Francis A., Brooklyn, N. Y. Combined pocket match-safe and candle-holder | Mar. 18, 1879 | 741 | 208 | 15 | 409 |
| 222,261 | Farrell, James W., Philadelphia, Pa. Die for making sheet-metal cans | Dec. 2, 1879 | 166 | 43 | 16 | 1031 |
| 222,480 | Same.....Machine for soldering sheet-metal cans | Dec. 9, 1879 | 422 | 120 | 16 | 1076 |
| 222,481 | Same.....Die for cutting can-tops, &c | Dec. 9, 1879 | 423 | 120 | 16 | 1076 |
| 215,728 | Farrell, William E., Philadelphia, Pa. Manufacture of paper-pulp from wood, &c | May 27, 1879 | 877 | ..... | 15 | 837 |
| | Farwell, Isaac, jr. (*See* Tuttle & Keith, assignors.) | | | | | |
| 216,665 | Faubel, Jacob, Jeffersonville, N. Y. Churn-power | June 17, 1879 | 743 | 212 | 15 | 997 |
| | Faught, Luther R. (*See* Sproull & Faught.) | | | | | |
| 214,640 | Faul, William J., assignor of one-half interest to G. Koethen, New York, N. Y. Lubricating device | Apr. 22, 1879 | 1086 | 304 | 15 | 635 |
| 211,624 | Faulkner, Alexander, assignor to self and T. Grant, Cleveland, Ohio. Follow-board for metal-molding | Jan. 28, 1879 | 656 | 184 | 15 | 90 |
| | Faulkner, Alfred. (*See* Burton, Joseph, assignor.) | | | | | |
| 213,183 | Faulkner, Alfred, Jersey City, N. J., assignor to New York Silk Manufacturing Company, New York, N. Y. Shuttle-motion for looms | Mar. 11, 1879 | 498 | 138 | 15 | 368 |
| | Faulkner, Chandler D., *et al.* (*See* Faulkner, Horace K., assignor.) | | | | | |
| 211,140 | Faulkner, Horace K., assignor to self, C. D. Faulkner, and F. L. Jones, Utica, N. Y. Metal mold for casting heads to curd-knives | Jan. 7, 1879 | 68 | 21 | 15 | 9 |
| | Faurot, B. C., trustee. (*See* Palmer, Henry L., assignor) (Reissue.) | | | | | |
| 218,723 | Faust, Abraham, Pittsburg, Pa. Coupling for shafting, tubing, &c | Aug. 19, 1879 | 715 | 204 | 16 | 337 |
| 221,164 | Fautz, Charles A., assignor of one-half interest to J. Haussling, Newark, N. J. Billiard-cue chalk-block | Nov. 4, 1879 | 30 | 8 | 16 | 816 |
| 216,264 | Fawcett, Edward W., Salem, Ohio. Metal-drilling machine | June 10, 1879 | 286 | 84 | 15 | 928 |
| 214,556 | Fawcett, Willis G., Salem, Ohio. Lift and force pump | Apr. 22, 1879 | 997 | 281 | 15 | 624 |
| | Fay, Catherine R. (*See* Smith & Fay, assignors.) | | | | | |
| | Fay & Co., J. A. (*See* Passel & Doane, assignors.) | | | | | |
| | Same.....(*See* Stengel, Charles, assignor.) | | | | | |
| | Same.....(*See* Streit, Henry V., assignor.) | | | | | |
| | Fay, George B. (*See* Smith & Fay.) | | | | | |
| 216,666 | Fay, Rimmon C., Lincoln, R. I., assignor to Washburn & Moen Manufacturing Company, Worcester, Mass. Bobbin of wire for binding grain | June 17, 1879 | 744 | 212 | 15 | 997 |
| 220,065 | Fay, Rimmon C., Lincoln, R. I. Skeleton wire-frame for supporting coils of wire | Sept. 30, 1879 | 1174 | 323 | 16 | 600 |
| 220,066 | Same.....Bobbin or spool for facilitating the winding of wire upon skeleton frames or reels | Sept. 30, 1879 | 1175 | 323 | 16 | 601 |
| 220,592 | Fay, Rimmon C., Pawtucket, assignor of one-half interest to F. J. Rabbeth, Providence, R. I. Screw-cutting die | Oct. 14, 1879 | 449 | 116 | 16 | 703 |
| 220,363 | Fearon, Francis, Philadelphia, Pa. Stop-motion device for twisting-machines | Oct. 7, 1879 | 169 | 44, 45 | 16 | 657 |
| | Feather, M. D. (*See* Johnson, Lycurgus L. and W. E., assignors.) | | | | | |
| 220,593 | Fegely, Isaac D., Shamrock (Long Swamp Post-Office), Pa. Pump | Oct. 14, 1879 | 450 | 116 | 16 | 703 |
| 215,596 | Fehr, Frank, Louisville, Ky. Apparatus for regulating the pressure in beer-casks | May 20, 1879 | 728 | 213 | 15 | 809 |
| 215,597 | Same.....Machine for washing beer-casks | May 20, 1879 | 729 | 213 | 15 | 810 |
| 217,521 | Felde, Henry Z., Canton, Ill. Preparing yeast | July 15, 1879 | 671 | 191 | 16 | 110 |
| 213,644 | Feldman, Bernard J., and T. Schlag, Franklin, Pa. Fly fan | Mar. 25, 1879 | 1000 | 285 | 15 | 450 |
| 216,949 | Felhoen, Charles, New York, N. Y. Blasting-powder | July 1, 1879 | 25 | ..... | 16 | 5 |
| | Felix, Benjamin F. (*See* Blodgett & Felix.) | | | | | |
| | Same.....(*See* Mason, Alvin C., assignor.) | | | | | |
| | Fell Dynamic Motor Company. (*See* Fell, Thomas M., assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Fell, Richard, jr. (*See* Fell, Richard, sr., assignor.) | | | | | |
| 220, 067 | Fell, Richard, sr., assignor to R. Fell, jr., Helena, Ark. Cotton-bale tie | Sept. 30, 1879 | 1176 | 323 | 16 | 601 |
| 220, 017 | Fell, Thomas M., Brooklyn, N. Y., assignor to Fell Dynamic Motor Company, Jersey City, N. J. Steam-generator | Sept. 30, 1879 | 1104 | 306 | 16 | 591 |
| | Fellows, George. (*See* Follett & Fellows.) | | | | | |
| 212, 137 | Fellows, Price H., Kokomo, Ind. Pruning-implement | Feb. 11, 1879 | 370 | 100 | 15 | 175 |
| 222, 183 | Same.....Adjustable stove-back | Dec. 2, 1879 | 76 | 18 | 16 | 1019 |
| 219, 704 | Fellows, Warren, assignor of one-half interest to D. Shields, Sing Sing, N. Y. Elevator | Sept. 16, 1879 | 746 | 206 | 16 | 525 |
| 219, 082 | Felt, Alvin B., Philadelphia, Pa. Sewing-machine | Sept. 2, 1879 | 28 | 9 | 16 | 416 |
| 220, 819 | Same.....Hand-power attachment for sewing-machines | Oct. 21, 1879 | 713 | 189 | 16 | 745 |
| 221, 801 | Same.....Cording attachment for sewing-machines | Nov. 18, 1879 | 780 | 217 | 16 | 936 |
| | Felt, Charles B. (*See* Felt, George H., assignor.) | | | | | |
| 213, 557 | Felt, George H., assignor to self and C. B. Felt, Brooklyn, Mich. Rowing apparatus | Mar. 25, 1879 | 905 | 259 | 15 | 438 |
| 222, 262 | Felt, Sarah A., Philadelphia, Pa. Sleeve-adjuster | Dec. 2, 1879 | 167 | 43 | 16 | 1031 |
| 217, 931 | Felton, Elbridge S., Salisbury, Mass. Carriage | July 29, 1879 | 1153 | 330 | 16 | 189 |
| 214, 500 | Felthousen, Edward G., Buffalo, N. Y. Flue-cleaner | Apr. 22, 1879 | 923 | 260 | 15 | 615 |
| 215, 271 | Same.....Steam-engine lubricator | May 13, 1879 | 350 | 102 | 15 | 750 |
| 214, 997 | Fenner, Algar, assignor of one-half interest to D. Clancy, Rochester, N. Y. Ash-sifter | May 6, 1879 | 18 | 6 | 15 | 705 |
| 217, 600 | Fensom, John, Toronto, Ontario, Canada. Hoisting-machine | July 15, 1879 | 762 | 217 | 16 | 121 |
| | Fenstermacher, Cyrus R. (*See* Fenstermacher, William and C. R.) | | | | | |
| 217, 734 | Fenstermacher, William and C. R., Shippensburg, Pa. Side-bar wagon | July 22, 1879 | 928 | 266 | 16 | 152 |
| | Fenton, Franklin. (*See* Atkins & Fenton.) | | | | | |
| 212, 670 | Fenton, Hiram C., Weathersfield, and W. H. Champlin, Stafford Springs, assignors to themselves, C. M. Talcott, Hartford, and A. W. C. Williams, Brookfield, Conn. Top-roll for spinning-machines | Feb. 25, 1879 | 999 | 277 | 15 | 270 |
| 211, 840 | Fenton, John H., Indianapolis, Ind. Toe-weight for horses | Feb. 4, 1879 | 14 | 4 | 15 | 128 |
| 211, 897 | Same.....Combined horse-boot and weight | Feb. 4, 1879 | 85 | 25 | 15 | 137 |
| 216, 950 | Fenton, William B., Knoxville, Tenn. Glazier's point-setter | July 1, 1879 | 25 | 8 | 16 | 5 |
| 218, 510 | Fergus, David, Philadelphia, Pa. Injector for steam-boilers | Aug 12, 1879 | 469 | 131 | 16 | 294 |
| 218, 948 | Ferguson, Charles J., Philadelphia, Pa., assignor to C. E. L. Holmes, New York, N. Y. Mat | Aug. 26, 1879 | 996 | 280 | 16 | 385 |
| | Ferguson, Charles W. (*See* Brady, Gilbert A., assignor.) | | | | | |
| | Ferguson, J. F. (*See* O'Harra, David J., assignor.) | | | | | |
| | Ferguson, James H. (*See* Lovejoy, Ferguson & Creegan).....(Reissue.) | | | | | |
| 215, 514 | Ferguson, James L., Columbia City, Ind. Vise for holding marble or stone while being cut | May 20, 1879 | 635 | 185 | 15 | 797 |
| 215, 814 | Ferguson, Linville, Bentonville, assignor to O. Ferguson, Milton, Ind. Automatic farm-gate | May 27, 1879 | 972 | 284 | 15 | 850 |
| | Ferguson, Lyman R. (*See* Marshall, Charles E., assignor.) | | | | | |
| | Ferguson, Oliver. (*See* Ferguson, Linville, assignor.) | | | | | |
| 219, 852 | Ferguson, Oliver, Milton, Ind. Gate | Sept. 23, 1879 | 917 | 254 | 16 | 557 |
| 216, 166 | Ferguson, Sam T., Minneapolis, Minn. Horse hay-rake | June 3, 1879 | 168 | 50 | 15 | 906 |
| 218, 669 | Ferguson, Samuel K., Air Point, Va. Churn | Aug. 19, 1879 | 661 | 186 | 16 | 329 |
| | Ferguson, Thomas, *et al.* (*See* Meaker, John W., assignor.) | | | | | |
| 214, 557 | Ferguson, William R., Dixon, Cal. Fire-extinguisher | Apr. 22, 1879 | 998 | 281 | 15 | 624 |
| 212, 672 | Fern, Julius, and S. Bligh, Oneonta, N. Y. Churn-power | Feb. 25, 1879 | 1001 | 278 | 15 | 270 |
| 212, 671 | Fernandez, Pedro F., San Juan, Porto Rico. Sewing-machine attachment | Feb. 25, 1879 | 1000 | 278 | 15 | 270 |
| 215, 338 | Feroe, Alfred E. and W. E., Madalin, N. Y. Process and apparatus for fining fermented liquors | May 13, 1879 | 428 | 127 | 15 | 760 |
| 223, 209 | Feroe, Alfred E., Tivoli, N. Y. Mashing process | Dec. 30, 1879 | 1274 | 360 | 16 | 1226 |
| | Feroe, William E. (*See* Feroe, Alfred E. and W. E.) | | | | | |
| | Ferrin, Stephen A. (*See* Place, Wallace, assignor.) | | | | | |
| 218, 168 | Ferris, Hiram R., assignor to Ohio Manufacturing Company, Cleveland, Ohio. Lifting-jack | Aug. 5, 1879 | 72 | 19 | 16 | 230 |
| | Ferry, Caroline M. (*See* Ferry, Richard R., assignor.) | | | | | |
| 221, 165 | Ferry, Daniel J., Philadelphia, Pa. Paper box | Nov. 4, 1879 | 31 | 8 | 16 | 816 |
| 212, 673 | Ferry, Richard R., assignor to C. M. Ferry, New York, N. Y. Hat-box | Feb. 25, 1879 | 1001 | 278 | 15 | 270 |
| 218, 949 | Ferry, Thomas, Wilmington, Del. Carpet-cleaner | Aug. 26, 1879 | 997 | 280 | 16 | 385 |
| 211, 324 | Fessenden, James W., Lockport, N. Y. Car-pusher | Jan. 14, 1879 | 301 | 89 | 15 | 40 |
| 215, 901 | Fest, Charles, New York, N. Y., assignor to G. P. Farmer, Mont Clair, N. J. Grinding-lathe | May 27, 1879 | 1070 | 311 | 15 | 862 |
| 222, 580 | Fest, Charles, New York, N. Y. Relief jewelry | Dec. 16, 1879 | 548 | 155 | 16 | 1103 |
| 211, 141 | Fétard, Emile, Gonesse, near Paris, France. Device for sealing jars | Jan. 7, 1879 | 68 | 22 | 15 | 9 |
| | Feurhake, Henry. (*See* Beck & Feurhake.) | | | | | |
| | Same.....(*See* Beck, Feurhake & Wuth.) | | | | | |
| | Feurhake, Henry, *et al.* (*See* Wuth, William A. O., assignor.) | | | | | |
| 212, 365 | Feurhake, Henry, Pittsburg, Pa. Decorating glassware | Feb. 18, 1879 | 630 | ..... | 15 | 213 |
| 219, 240 | Feurhake, Henry, Pittsburg, Pa., assignor to self and W. Beck. Preparing glass-molds | Sept. 2, 1879 | 213 | ..... | 16 | 439 |
| | Fickinger, H. M. (*See* Wilkins, Cooley M., assignor.) | | | | | |
| 220, 133 | Field, Benton J., Leaksville, N. C. Churn | Sept. 30, 1879 | 1249 | 343 | 16 | 611 |
| 212, 366 | Field, George B., New York, N. Y. Furnace | Feb. 18, 1879 | 631 | 177, 178 | 15 | 213 |
| 213, 558 | Field, George B., New York, N. Y., and E. T. Howard, Saint Louis, Mo.; said Field assignor to said Howard. Covering for steam-pipes | Mar. 25, 1879 | 906 | 259 | 15 | 438 |
| 217, 085 | Field, George B., New York, assignor of one-half interest to E. A. Callahan, Brooklyn, N. Y. Cellular rail | July 1, 1879 | 182 | 52, 53 | 16 | 25 |
| | Field, Henry D. (*See* Love, Matthew S., assignor.) | | | | | |
| 214, 245 | Field, James A., Beloit, Wis. Device for hitching horses | Apr. 15, 1879 | 618 | 175 | 15 | 568 |
| 217, 932 | Field, James W., Marysville, Ohio. Apparatus for dispensing liquids | July 29, 1879 | 1154 | 331 | 16 | 189 |
| 215, 339 | Field, Joseph C., and W. B. Farrar, Chicago, Ill. Pneumatic perforating-pen | May 13, 1879 | 430 | 128 | 15 | 760 |
| 8, 911 | Field, Joseph S., Brooklyn, assignor to S. A. Ilsley & Co., New York, N. Y. Sheet-metal can.....(Reissue) | Sept. 30, 1879 | 1347 | 371 | 16 | 625 |
| 216, 167 | Field, Joseph S., Brooklyn, N. Y. Sheet-metal can | June 3, 1879 | 169 | 50 | 15 | 906 |
| | Field, Moses W., *et al.* (*See* Michels, Jacob, assignor.) | | | | | |
| 222, 885 | Field, Rogers, Westminster, Middlesex County, England. Siphon for sewage and flushing tanks | Dec. 23, 1879 | 902 | 260 | 16 | 1164 |
| 211, 898 | Field, Wallace L., West De Pere, Wis. Machine for crozing barrels | Feb. 4, 1879 | 86 | 25 | 15 | 137 |
| 8, 556 | Field, William H., Taunton, Mass. Nail-plate feeder.....(Reissue) | Jan. 28, 1879 | 895 | 252 | 15 | 122 |
| 218, 249 | Fields, Ezra S., assignor to Holmes, Booth & Haydens, Waterbury, Conn. Machine for scraping tubes before and after soldering | Aug. 5, 1879 | 162 | 43 | 16 | 242 |
| 223, 124 | Fields, John W., Sherman, Tex. Mold-board for plows | Dec. 30, 1879 | 1185 | 335 | 16 | 1214 |
| 215, 598 | Fietz, Wilhelm C., Boston, Mass. Cornet | May 20, 1879 | 730 | 213 | 15 | 810 |
| 220, 820 | Fife, Joel A., Chicago, Ill. Safety hitching device | Oct. 21, 1879 | 714 | 189 | 16 | 745 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Fifield, Charles S. (*See* Winslow & Fifield.) | | | | | |
| 218, 950 | Fifield, Henry S., New Hampton, N. H. Heating attachment for lamps | Aug. 26, 1879 | 998 | 280 | 16 | 386 |
| | Fifield, John S. (*See* Brainerd & Fifield.) | | | | | |
| | Fifield, John W. D. (*See* Stoddard & Fifield.) | | | | | |
| | Filbey, Oliver. (*See* McMinn & Filbey.) | | | | | |
| | Filburn, Michael J., *et al.* (*See* McNally, Thomas W., assignor.) | | | | | |
| | Filson, Jacob H., *et al.* (*See* Wright, Joseph, assignor.) | | | | | |
| 216, 840 | Finch, Edwin D., Stanton, Mich. Mechanical telephone | June 24, 1879 | 961 | 273 | 15 | 1034 |
| 8, 601 | Finch, William R., Eureka, Cal. Breech-loading fire-arm (Reissue) | Feb. 25, 1879 | 1130 | 313, 314 | 15 | 288 |
| 215, 445 | Same same | May 20, 1879 | 554 | 102 | 15 | 786 |
| 217, 358 | Finck, Henry, Dunkirk, assignor of one-half interest to J. P. Braner, Buffalo, N. Y. Cask-vent | July 8, 1879 | 486 | 141 | 16 | 74 |
| 218, 870 | Finckgraefe, Gustavus F., Passaic County, N. J. Centrifugal machine | Aug. 19, 1879 | 661 | 187, 188 | 16 | 329 |
| 214, 766 | Findley, James W., Bryan, assignor of one-third interest to T. M. Bowles, Burleson County, Tex. Fifth-wheel for vehicles | Apr. 29, 1879 | 1235 | 346 | 15 | 662 |
| | Fine, E. M. (*See* Fine, Isaac, assignor.) | | | | | |
| 215, 340 | Fine, Isaac, assignor to E. M. Fine, Philadelphia, Pa. Suspension ring and hook | May 13, 1879 | 431 | 128 | 15 | 760 |
| 213, 282 | Finger, Louis, Boston, Mass. Electric annunciator | Mar. 18, 1879 | 612 | 173 | 15 | 392 |
| 214, 765 | Fink, Conrad, Saint Louis, Mo. Machine for cleaning coffee, &c | Apr. 29, 1879 | 1234 | 346 | 15 | 662 |
| 213, 185 | Fink, Earl D., Columbus, Ohio. Ground-pulverizer | Mar. 11, 1879 | 499 | 139 | 15 | 369 |
| 211, 981 | Fink, William D., Strasburg, Ill. Adjustable harrow | Feb. 4, 1879 | 181 | 51 | 15 | 149 |
| 211, 982 | Fink, William L., Baltimore, Md. Boot and shoe heel attachment | Feb. 4, 1879 | 182 | 52 | 15 | 150 |
| | Finkbeiner, Gottlieb. (*See* Mayall, Louis A., assignor.) | | | | | |
| 217, 086 | Finkbeiner, Gottlieb, Philadelphia, Pa. Hub-attaching device | July 1, 1879 | 184 | 53 | 16 | 26 |
| 215, 341 | Finke, John G., New York, N. Y. Granulated chocolate | May 13, 1879 | 431 | ..... | 15 | 760 |
| 211, 465 | Finley, William, Flemingsburg, Ky. Wash-boiler | Jan. 21, 1879 | 460 | 130 | 15 | 62 |
| 211, 899 | Finn, James, Boston, Mass. Rowlock | Feb. 4, 1879 | 87 | 25 | 15 | 137 |
| 220, 225 | Finn, Philander G., Erie, Pa. Lumber-drier | Oct. 7, 1879 | 16 | 4, 5 | 16 | 637 |
| 218, 868 | Finnegan, Andrew J., Minneapolis, Minn. Air-tight preserving-package | Aug. 26, 1879 | 912 | 255 | 16 | 273 |
| 217, 357 | Finney, James J., Lampasas City, Tex. Force-pump | July 8, 1879 | 485 | 141 | 16 | 74 |
| 222, 989 | Finzer, Rudolph, Louisville, Ky. Treating tobacco | Dec. 30, 1879 | 1027 | ..... | 16 | 1192 |
| 211, 466 | Firm, Joseph L., New York, N. Y. Can for explosive fluids | Jan. 21, 1879 | 461 | 130 | 15 | 62 |
| 220, 068 | Firmenich, Joseph, Buffalo, N. Y. Composition for cattle-food | Sept. 30, 1879 | 1177 | ..... | 16 | 601 |
| | Firmin, George J. (*See* Forster & Firmin.) | | | | | |
| 214, 899 | First, John, New York, N. Y. Shaft-hanger | Apr. 29, 1879 | 1384 | 385 | 15 | 681 |
| 217, 686 | Fischer, Albert, Detroit, Mich. Toe-weight for horseshoes | July 22, 1879 | 878 | 250 | 16 | 145 |
| 212, 674 | Fischer, Benno, Fenner-Glashütte, near Saarbrücken, Germany. Machine for grinding glassware | Feb. 25, 1879 | 1002 | 278, 279 | 15 | 270 |
| 212, 916 | Fischer, Philipp, assignor to C. Heinbockel, New York, N. Y. Clothes-line support | Mar. 4, 1879 | 174 | 48 | 15 | 318 |
| 212, 917 | Fischlein, Frank, New York, N. Y. Extension support for clothes-lines | Mar. 4, 1879 | 175 | 48 | 15 | 318 |
| | Fish Brothers & Co. (*See* Helmes, Nathan L., assignor) (Reissue.) | | | | | |
| 215, 599 | Fish, Fidus E., Orangeville Mills, Mich. Fence | May 20, 1879 | 731 | 213 | 15 | 810 |
| 218, 869 | Fish, Frank B., Manchester, N. H. Meat-chopping machine | Aug. 26, 1879 | 912 | 255 | 16 | 373 |
| 218, 373 | Fish, George M., Chicago, Ill. Barbed fence | Aug. 12, 1879 | 310 | 84 | 16 | 272 |
| 213, 407 | Fish, John R., Grand Rapids, Mich. Smoke-stack for locomotives | Mar. 18, 1879 | 742 | 208 | 15 | 409 |
| 215, 342 | Same Locomotive smoke-stack | May 13, 1879 | 432 | 128 | 15 | 760 |
| 8, 687 | Fish, Warren L., Newark, N. J. Mechanism for operating bobbin-winding attachments for sewing-machines (Reissue) | Apr. 22, 1879 | 1206 | 338 | 15 | 650 |
| 214, 246 | Same Clutch for fly-wheels of sewing-machines | Apr. 15, 1879 | 619 | 175 | 15 | 568 |
| 214, 289 | Same same | Apr. 15, 1879 | 668 | 187 | 15 | 575 |
| 218, 374 | Fishburn, Robert C., Hazleton Post-Office, Pa. Mining-drill | Aug. 12, 1879 | 310 | 85 | 16 | 273 |
| 218, 007 | Fisher, Charles N., assignor of one-half interest to J. Frampton, Willis, Tex. Saw-mill | July 29, 1879 | 1234 | 353 | 16 | 199 |
| 219, 853 | Fisher, Chauncey H., Grand Rapids, Mich. Wrench | Sept. 23, 1879 | 918 | 254 | 16 | 558 |
| 214, 032 | Fisher, Clark, Trenton, N. J. Rail-joint | Apr. 8, 1879 | 345 | 99 | 15 | 525 |
| 215, 446 | Same same | May 20, 1879 | 555 | 163 | 15 | 786 |
| 215, 902 | Same Hydro-pneumatic engine | May 27, 1879 | 1071 | 311 | 15 | 862 |
| 212, 795 | Fisher, Daniel, Oil City, Pa. Pipe and nut wrench | Mar. 4, 1879 | 17 | 6 | 15 | 299 |
| 216, 168 | Fisher, Ebenezer, Kincardine, Ontario, Canada. Steel horse-collar | June 3, 1879 | 170 | 50 | 15 | 906 |
| 220, 594 | Same Die for forming metallic horse-collar frames | Oct. 14, 1879 | 450 | 117 | 16 | 703 |
| 211, 841 | Fisher, Edwin, Worcester, Mass. Leather-cutting machine | Feb. 4, 1879 | 15 | 4, 5 | 15 | 128 |
| 8, 876 | Fisher, Frank H., Nevada City, Cal. Hydraulic-mining apparatus (Reissue) | Sept. 2, 1879 | 324 | 92 | 16 | 453 |
| | Fisher, George W. (*See* Medart, Philip, assignor) (Reissue.) | | | | | |
| 221, 294 | Fisher, George W., Baltimore, Md. Kettle | Nov. 4, 1879 | 168 | 46 | 16 | 836 |
| 216, 169 | Fisher, Hart A., Toledo, Ohio. Paper-pocket | June 3, 1879 | 170 | 51 | 15 | 906 |
| | Fisher, Harvey L. (*See* Frazee, Fisher & Hassell.) | | | | | |
| 211, 842 | Fisher, Harvey L., Toledo, Ohio. Holder for sickles, knives, &c | Feb. 4, 1879 | 17 | 5 | 15 | 129 |
| 214, 641 | Fisher, Henry, Bridgeport, Conn. Attachment of handles to cutlery | Apr. 22, 1879 | 1086 | 304 | 15 | 636 |
| 220, 469 | Fisher, Henry, Canton, Ohio. Knife for cutting hay and cane | Oct. 14, 1879 | 295 | 79 | 16 | 684 |
| 221, 295 | Fisher, John L., assignor of one-half interest to E. M. Wilcox, White Water, Wis. Shifting-rail for vehicles | Nov. 4, 1879 | 169 | 46 | 16 | 836 |
| 221, 453 | Fisher, John L., assignor of one-half interest to P. Carroll, Lexington, Ky. Machine for cleaning grass-seeds | Nov. 11, 1879 | 364 | 100 | 16 | 871 |
| 216, 784 | Fisher, Louis, Logan, Ohio. Window sash and bead fastener | June 24, 1879 | 895 | 254, 255 | 15 | 1027 |
| 223, 125 | Fisher, Stephen J., East Pleasant, Ind. Combined land-roller and clod-crusher | Dec. 30, 1879 | 1186 | 335 | 16 | 1214 |
| 218, 951 | Fisher, Sylvanus A., Geneseo, Ill. Wire-stretcher | Aug. 26, 1879 | 999 | 281 | 16 | 386 |
| 212, 367 | Fisher, Thomas M., Portland, Me. Printer's roller | Feb. 18, 1879 | 634 | ..... | 15 | 213 |
| | Fisher, William B. (*See* Marvin, James L., assignor.) | | | | | |
| 8, 615 | Fisher, William B., Newark, N. J. Method and apparatus for treating seeds (Reissue) | Mar. 11, 1879 | 592 | 165 | 15 | 381 |
| | Fisk, Allen. (*See* Fiske, Henry P., assignor.) | | | | | |
| | Fisk, Clark & Flagg. (*See* Fisk, Stephen W., assignor) (Reissue.) | | | | | |
| | Same (*See* Flagg, Thomas J., assignor.) | | | | | |
| | Same (*See* Foster, Charles E., assignor.) | | | | | |
| | Same (*See* Heath, Henry, assignor.) | | | | | |
| 8, 012 | Fisk, Stephen W., New York, N. Y., assignor to Fisk, Clark & Flagg. Supporting and adjusting device for suspender-straps (Reissue) | Sept. 30, 1879 | 1348 | 371 | 16 | 625 |
| 212, 368 | Fiske, Henry G., Springfield, Mass. Fountain-tip | Feb. 18, 1879 | 634 | 178 | 15 | 213 |
| 220, 226 | Same Lawn-mower | Oct. 7, 1879 | 17 | 5 | 16 | 637 |
| 220, 227 | Fiske, Henry P., Waterville, Conn., assignor of one-half interest to A. Fisk, Portland, Me. Striking-movement for clocks | Oct. 7, 1879 | 18 | 5 | 16 | 637 |
| 219, 811 | Fiske, Lucius W., Darien, Wis. Portable bathing-closet | Sept. 23, 1879 | 881 | 242 | 16 | 552 |
| 219, 631 | Fitch, Derick H., Tuscola, Ill. Galvanic battery | Sept. 16, 1879 | 661 | 184 | 16 | 514 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 220, 595 | Fitch, Edward, New York, N. Y. Tapping and venting barrels, &c | Oct. 14, 1879 | 451 | 117 | 16 | 703 |
| 214, 642 | Fitch, Ezra C., New York, N. Y. Watch-case | Apr. 22, 1879 | 1087 | 305 | 15 | 636 |
| 220, 916 | Same.....Stem-winding watch-key | Oct. 28, 1879 | 827 | 221 | 16 | 770 |
| 214, 767 | Fitch, Frederick K., Jersey City, N. J., assignor to S. S. White, Philadelphia, Pa. Electric telephone | Apr. 29, 1879 | 1236 | 347 | 15 | 662 |
| | Fitchburg Steam Engine Company. (*See* Fosdick, Charles, assignor.) | | | | | |
| 217, 359 | Fitts, Robert, Lunenburg, assignor to W. Heywood Chair Company, Fitchburg, Mass. Chair-seat press | July 8, 1879 | 487 | 141 | 16 | 74 |
| 217, 522 | Fittz, George B., J. Baxter, and M. E. Rowe, Attleborough, Mass. Jeweler's frosting-tool | July 15, 1879 | 672 | 192 | 16 | 110 |
| 217, 788 | Fitz, Jacob, Hanover, Pa. Middlings-purifier | July 22, 1879 | 982 | 281 | 16 | 160 |
| 219, 241 | Fitzgerald, Anthony, Stamford, Conn., assignor to H. W. Collender, New York, N. Y. Billiard-cue | Sept. 2, 1879 | 215 | 62 | 16 | 439 |
| 220, 596 | Same.....Billiard-cue coloring apparatus | Oct. 14, 1879 | 453 | 117, 118 | 16 | 703 |
| | Fitzgerald, Daniel H. (*See* Broughton, John, assignor.) | | | | | |
| 214, 768 | Fitzgerald, John, Brooklyn, N. Y. Grinding-mill | Apr. 29, 1879 | 1238 | 347 | 15 | 662 |
| | Fitzgerald, Lawrence J. (*See* Lines, James E., assignor.) | | | | | |
| 213, 502 | Fitzgerald, Lawrence J., Cortland Village, N. Y. Wagon-body | Mar. 25, 1879 | 842 | 238 | 15 | 430 |
| 222, 263 | Fitzgerald, Peter J., and J. McInnes, Philadelphia, Pa.; said McInnes assignor to said Fitzgerald. Liquid-measuring can | Dec. 2, 1879 | 168 | 44 | 16 | 1031 |
| 218, 169 | Fitzgerald, Thomas, jr., assignor to self and J. T. Tighe, Boston, Mass. Chimney-cap or ventilator | Aug. 5, 1879 | 73 | 19 | 16 | 230 |
| 211, 900 | Fitzhugh, Benjamin G., assignor to A. K. Weeks, Baltimore, Md. Gravity-catch for hinges | Feb. 4, 1879 | 87 | 25 | 15 | 137 |
| 213, 645 | Fitzhugh, Jacob R., Philadelphia, Pa. Horse hay-fork | Mar. 25, 1879 | 1001 | 285 | 15 | 451 |
| | Fitzsimmons, George W. (*See* Welds, Benjamin A., assignor.) | | | | | |
| 218, 724 | Fix, William, New York, N. Y. Fire-alarm telegraph | Aug. 19, 1879 | 716 | 204 | 16 | 337 |
| 213, 646 | Fix, William H., Moffatt's Creek, Va. Ax | Mar. 25, 1879 | 1002 | 285 | 15 | 451 |
| 222, 028 | Fjellman, Robert, assignor of one-third interest to W. Pfaender, jr., Saint Paul, Minn. Jack-screw | Nov. 25, 1879 | 1043 | 292 | 16 | 981 |
| | Flack, D. Hudson. (*See* Stineman & Flack.) | | | | | |
| | Flack, Robert C. (*See* Adgate, Joseph J., assignor.) | | | | | |
| | Flagg, O. J. (*See* Luce, George D., assignor.) | | | | | |
| 222, 264 | Flagg, Thomas J., assignor to Fisk, Clark & Flagg, New York, N. Y. Scarf | Dec. 2, 1879 | 169 | 44 | 16 | 1031 |
| 218, 098 | Flanagan, Patrick J., New Orleans, La. Belt-fastener | July 29, 1879 | 1235 | 354 | 16 | 199 |
| 222, 886 | Flanagin, William F., and D. A. Sager, Pinewood, Tenn. Automatic let-off mechanism for looms | Dec. 23, 1879 | 903 | 260 | 16 | 1165 |
| | Flanders, Charles E. (*See* Bower, Delorem P., assignor.) | | | | | |
| | Flanders, Timothy B. (*See* Buttrick & Flanders.) | | | | | |
| 221, 166 | Flautt, James S., Clarksdale, Miss., assignor to A. C. Richards and T. M. Whitney, Washington, D. C. Beer-cooler | Nov. 4, 1879 | 32 | 9 | 16 | 817 |
| 213, 101 | Fleischer, Emil, Dessau, Germany. Hydro-motor | Mar. 11, 1879 | 404 | 112 | 15 | 356 |
| | Fleishman, Henry. (*See* Mussner, John, assignor.) | | | | | |
| 217, 523 | Fleitmann, Theodor, Iserlohn, Prussia, Germany. Preventing crystallization and blow-holes in casting metals and the alloy | July 15, 1879 | 673 | ..... | 16 | 110 |
| 219, 352 | Fleming, John, Pittsburg, Pa. Miner's lamp | Sept. 9, 1879 | 347 | 99 | 16 | 464 |
| 212, 305 | Fleming, John E., and A. Hamilton, Hyde Park, Ill. Oil-stove | Feb. 18, 1879 | 561 | 157 | 15 | 204 |
| 221, 543 | Fleming, John N., Newcastle, Northumberland County, Great Britain. Apparatus for mixing, crushing, and drying granular materials | Nov. 11, 1879 | 477 | 130 | 16 | 886 |
| 219, 705 | Fleming, Mark P., Oakland, Cal. Carbureter | Sept. 16, 1879 | 747 | 207 | 16 | 525 |
| 215, 343 | Fleming, Patrick, Fair Haven, Conn. Friction-clutch | May 13, 1879 | 433 | 128 | 15 | 761 |
| 222, 685 | Fleming, Peter F., Salisbury, Mo. Hay and straw stacker | Dec. 16, 1879 | 675 | 194 | 16 | 1121 |
| 212, 675 | Flender, William H. B., Washington, assignor to F. W. McLean, Allegheny, Pa. Soldering-clamp | Feb. 25, 1879 | 1005 | 279 | 15 | 271 |
| 212, 546 | Flenniken, Theodore M., and A. Hall, assignors to N. C. Thompson, Rockford, Ill. Cultivator | Feb. 25, 1879 | 873 | 241 | 15 | 253 |
| 218, 952 | Flenniken, Theodore M., assignor to N. C. Thompson, Rockford, Ill. Harvester | Aug. 26, 1879 | 1000 | 281 | 16 | 386 |
| 220, 228 | Flesher, James W., and W. M. Gilman, Des Moines, Iowa. Weather-strip | Oct. 7, 1879 | 20 | 6 | 16 | 637 |
| | Fletcher, Christopher C. (*See* Page, Truman E., assignor.) | | | | | |
| 222, 686 | Fletcher, Horace W., Hartford, Conn. Horseshoe | Dec. 16, 1879 | 677 | 194 | 16 | 1121 |
| 218, 250 | Fletcher, John J., and J. W. Sursa, Venice, Ill. Gang-plow | Aug. 5, 1879 | 163 | 44 | 16 | 242 |
| 211, 625 | Fletcher, Karl, Boston, Mass., assignor to Boston Machine Company. Hydraulic elevator | Jan. 28, 1879 | 657 | 184, 185 | 15 | 90 |
| 218, 511 | Fletcher, Robert C., Tarleton, Lancashire County, England. Cutter for grass, paper, &c | Aug. 12, 1879 | 470 | 131 | 16 | 294 |
| 213, 647 | Fletcher, Thomas, Hyde, Great Britain. Bleaching-keir | Mar. 25, 1879 | 1003 | 285 | 15 | 451 |
| 211, 142 | Fleutelot, Albert S., Paris, France. Lubricator | Jan. 7, 1879 | 69 | 22 | 15 | 9 |
| 213, 744 | Flick, William J., Brooklyn, N. Y. Reflector | Apr. 1, 1879 | 16 | 5 | 15 | 475 |
| 212, 451 | Flinn, John, Philadelphia, Pa. Bed-bottom | Feb. 18, 1879 | 742 | 204, 205 | 15 | 227 |
| | Flint, J. G., jr. (*See* Storle, Ole O., assignor.) | | | | | |
| 220, 229 | Flora, Orlando V., Madison, Ind. Bending-machine | Oct. 7, 1879 | 21 | 6 | 16 | 638 |
| | Florence Machine Company. (*See* Goodell, Dexter W., assignor.) | | | | | |
| | Florsheim, Simon. (*See* Schilling & Florsheim.) | | | | | |
| | Same.....(*See* Schilling, Gustav, assignor.) | | | | | |
| 215, 054 | Flower, George K., Pittsburg, Pa. Horseshoe-calk | May 6, 1879 | 79 | 24 | 15 | 712 |
| 222, 393 | Flower, James O., Pittsburg, Pa. Thill-coupling | Dec. 9, 1879 | 313 | 88 | 16 | 1062 |
| 222, 990 | Flowers, Henry, Halifax, Nova Scotia, Canada. Reefing and furling sails | Dec. 30, 1879 | 1028 | 294 | 16 | 1192 |
| | Floyd, Hezekiah. (*See* Douty, William H., assignor.) | | | | | |
| | Floyd, James R. (*See* Green, Joseph, assignor.) | | | | | |
| 223, 126 | Fluke, Charles L., Davenport, Iowa. Writing-tablet | Dec. 30, 1879 | 1187 | 335 | 16 | 1214 |
| | Flumerfelt, Byron J., *et al.* (*See* Kidder, George R., assignor) .....(Reissue.) | | | | | |
| 220, 069 | Flynn, Cornelius, Brooklyn, N. Y. Car-coupling | Sept. 30, 1879 | 1177 | 324 | 16 | 601 |
| 217, 087 | Flynn, Francis, Woonsocket, R. I., assignor to Woonsocket Rubber Company. Manufacture of rubber boots | July 1, 1879 | 185 | 53 | 16 | 26 |
| 219, 706 | Flynn, Henry, Minneapolis, Minn. Horse-power | Sept. 16, 1879 | 748 | 207 | 16 | 525 |
| 218, 251 | Flynn, James H., Schenectady, N. Y. Wisp-broom | Aug. 5, 1879 | 165 | 44 | 16 | 242 |
| 215, 344 | Flynn, John H., North Attleborough, Mass. Barrel-carrier | May 13, 1879 | 434 | 129 | 15 | 761 |
| 222, 029 | Flynn, John T., Woonsocket, R. I. Safety attachment for barrels | Nov. 25, 1879 | 1044 | 293 | 16 | 981 |
| 213, 041 | Flynt, James H., Duluth, Minn. Advertising-caster | Mar. 11, 1879 | 328 | 92 | 15 | 347 |
| | Fobes, Daniel, *et al.* (*See* Reynolds, Davis B., assignor.) | | | | | |
| 222, 991 | Foehl, Charles, assignor of one-half interest to I. J. Clark, Philadelphia, Pa. Breech-loading fire-arm | Dec. 30, 1879 | 1029 | 295 | 16 | 1193 |
| 211, 843 | Fogarty, James, Newark, N. J. Steam-plow | Feb. 4, 1879 | 18 | 6, 7 | 15 | 129 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Drg. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 211, 143 | Fogarty, Thomas B., Brooklyn, N. Y. Steam-motor | Jan. 7, 1879 | 70 | 22 | 15 | 9 |
| 213, 503 | Fogelquist, Carl M., Brooklyn, N. Y. Pipe-cutter | Mar. 25, 1879 | 843 | 238 | 15 | 430 |
| 212, 676 | Fogelstrand, Otto F., New Britain, Conn. Door-bell | Feb. 25, 1879 | 1006 | 280 | 15 | 271 |
| 220, 969 | Fogette, William H., Springfield, Mass. Shaking and dumping grate-bar | Oct. 28, 1879 | 898 | 240 | 16 | 779 |
| | Foglesanger, Edwin. (*See* Chubbuck, Nathaniel W., assignor.) | | | | | |
| | Fohr, Franz. (*See* Faber Du Faur & Fohr.) | | | | | |
| 215, 111 | Foley, Denis, Saugatuck, Conn. Whiffletree | May 6, 1879 | 153 | 43 | 15 | 721 |
| 213, 327 | Foley, John C., Saint Louis, Mo. Fire-escape apparatus | Mar. 18, 1879 | 661 | 186 | 15 | 398 |
| 214, 379 | Follett, Edward P., Rochester, assignor of one-half interest to A. J. Bixby, Lyons, N. Y. Lantern | Apr. 15, 1879 | 783 | 220 | 15 | 589 |
| 218, 512 | Follett, Edward P., and G. Fellows, assignors to D. W. Dunham and T. L. Turner, Rochester, N. Y. Sheet-metal can | Aug. 12, 1879 | 471 | 132 | 16 | 294 |
| 219, 083 | Follett, Edward P., assignor to Van Zandt & Bixby, Rochester, N. Y. Tin can | Sept. 2, 1879 | 30 | 9 | 16 | 416 |
| 217, 933 | Folsom, Charles, New York, N. Y. Sample-case | July 29, 1879 | 1155 | 331 | 16 | 189 |
| 216, 733 | Folsom, Elias W., Greenbush, assignor of one-half interest to P. J Rorabeck, West Troy, N. Y. Curtain-cord tightener | June 24, 1879 | 836 | 238 | 15 | 1019 |
| 219, 572 | Folsom, J. Augustus, Boston, Mass. Combined hassock and foot-warmer | Sept. 16, 1879 | 591 | 165 | 16 | 504 |
| 214, 120 | Folsom, John S., Boston, Mass. Thill-lug | Apr. 8, 1879 | 462 | 132 | 15 | 538 |
| 218, 009 | Folsom, Rufus, assignor of one-half interest to S. Myers, Boston, Mass. Watch | July 29, 1879 | 1236 | 354 | 16 | 199 |
| 219, 854 | Folsom, Samuel H., Winchester, Mass. Salt-cellar | Sept. 23, 1879 | 919 | 254 | 16 | 558 |
| 211, 723 | Fontaine, Eugene, assignor to National Pin Company, Detroit, Mich. Pin-package | Jan. 28, 1879 | 772 | 216 | 15 | 105 |
| 220, 821 | Foos, Gustavus L., Springfield, Ohio. Clothes-wringer | Oct. 21, 1879 | 715 | 190 | 16 | 745 |
| | Foote, Charles A. (*See* Glennon, Thomas G., assignor.) | | | | | |
| | Foote, Edward N. (*See* Presbrey, Edward F., assignor) (Reissue.) | | | | | |
| 213, 816 | Foote, George B., Helena, Mont. Vise | Apr. 1, 1879 | 95 | 29 | 15 | 485 |
| 211, 503 | Foote, Henry R., Stamford, Conn. Furnace for cremating garbage | Jan. 21, 1879 | 497 | 141 | 15 | 67 |
| 218, 170 | Foote, James H., New York, N. Y. Back-stop for belts | Aug. 5, 1879 | 74 | 19 | 16 | 230 |
| | Foote, Richard R., *et al.* (*See* Fuller, David, assignor.) | | | | | |
| 220, 523 | Foote, Thomas M., New York, N. Y. Folding opera-chair | Oct. 14, 1879 | 358 | 94 | 16 | 692 |
| 221, 544 | Forbes, Edwin, Brooklyn, N. Y. Feed-bag for horses | Nov. 11, 1879 | 479 | 130 | 16 | 887 |
| 220, 276 | Forbes, Edwin J., New York, assignor to self and G. P. Oakley, Brooklyn, N. Y. Umbrella | Oct. 7, 1879 | 73 | 20 | 16 | 645 |
| | Forbes, George C. (*See* Smith, David, assignor.) | | | | | |
| 218, 953 | Forbes, Ira C., Mount Pleasant, N. Y. Machine for reducing wood to fiber for paper-stock, &c | Aug. 26, 1879 | 1001 | 282 | 16 | 386 |
| 216, 667 | Forbes, Paul S., New York, N. Y. Tubular boiler | June 17, 1879 | 745 | 213 | 15 | 997 |
| 211, 232 | Forbes, Samuel B., Winchester, Conn. Door-lifting jack | Jan. 7, 1879 | 169 | 50 | 15 | 23 |
| 212, 547 | Forbes, William D., Buffalo, N. Y. Shaft-coupling | Feb. 25, 1879 | 874 | 241 | 15 | 253 |
| 215, 345 | Same ..... same | May 13, 1879 | 434 | 129 | 15 | 761 |
| 212, 677 | Force, John W., Springfield, Mass. Nursery and medical spoon | Feb. 25, 1879 | 1007 | 280 | 15 | 271 |
| 220, 598 | Ford, Benjamin, Union Township, Allegheny County, Pa. Water-supply and heater for steam-boilers | Oct. 14, 1879 | 455 | 118 | 16 | 704 |
| | Ford, Charles, *et al.* (*See* Baylies, Franklin, assignor.) | | | | | |
| 215, 903 | Ford, De Witt, Oneonta, N. Y., and F. G. Butler, assignors to Vermont Farm Machine Company, Bellows Falls, Vt. Milk-cooler | May 27, 1879 | 1072 | 312 | 15 | 862 |
| 218, 433 | Ford, Edward, Jeffersonville, Ind. Polishing apparatus | Aug. 12, 1879 | 378 | 104 | 16 | 282 |
| 215, 815 | Ford, Ellen M., Port Richmond, N. Y. Box and cover for firing decorated porcelain | May 27, 1879 | 973 | 284 | 15 | 850 |
| 222, 265 | Ford, Frederic G., Philadelphia, Pa. Flour-sifter | Dec. 2, 1879 | 170 | 44 | 16 | 1032 |
| 217, 789 | Ford, John B , Jeffersonville, Ind. Apparatus for the manufacture of glass pipe | July 22, 1879 | 983 | 281 | 16 | 160 |
| 216, 265 | Ford, William A., Lynchburg, Va. Plug-tobacco-making apparatus | June 10, 1879 | 287 | 85 | 15 | 928 |
| 8, 613 | Forden, John M., Springfield, Ill., assignor to A. Runstetler. Seed-dropper (Reissue) | Mar. 11, 1879 | 589 | 164 / 165 | 15 | 381 |
| 222, 129 | Forg, Peter, Somerville, Mass. Bedstead-fastening | Dec. 2, 1879 | 14 | 4 | 16 | 1010 |
| 214, 815 | Forman, Edwin A., Lowell, Mich. Harness-loop | Apr. 29, 1879 | 1296 | 362 | 15 | 670 |
| 213, 042 | Forman, Jonathan C., Cleveland, Ohio. Paper-ruling machine | Mar. 11, 1879 | 328 | 92 | 15 | 347 |
| 213, 328 | Forman, William H., and M. F. Williams, Saint Louis, Mo. Middlings-separator | Mar. 18, 1879 | 662 | 187 | 15 | 398 |
| 214, 290 | Forncrook, Charles C., Hermitage, N. Y. Bob-sleigh | Apr. 15, 1879 | 669 | 187 | 15 | 575 |
| 212, 207 | Forncrook, Isaac S., Detroit, Mich. Cheese-safe | Feb. 11, 1879 | 449 | 123 | 15 | 185 |
| 219, 242 | Forney, George N., and G. W. Bange, Hanover, Pa. Bolting screen or sieve | Sept. 2, 1879 | 216 | 63 | 16 | 439 |
| 219, 707 | Forney, Henry C., New York, N. Y. Weight-motor | Sept. 16, 1879 | 749 | 207 | 16 | 525 |
| 222, 483 | Forrester, Isaac N., assignor to T. Cunningham, H. B. Lincoln, G. and L. Brown, F. P. Pendleton, and J. K. Proctor, Philadelphia, Pa. Machine for beveling and truing wires | Dec. 9, 1879 | 425 | 121 | 16 | 1076 |
| 214, 643 | Forschner, Charles, New York, N. Y. Scale-pan | Apr. 22, 1879 | 1088 | 305 | 15 | 636 |
| | Forshay, David. (*See* Barker, William B., assignor.) | | | | | |
| 220, 277 | Forster, Frank N., Buffalo, N. Y. Lawn-sprinkler | Oct. 7, 1879 | 74 | 20 | 16 | 645 |
| | Forster, Joseph. (*See* Fritsch & Forster.) | | | | | |
| 214, 380 | Forster, Thomas A. D., and G. J. Firmin, Norristown, Pa. Amalgamator | Apr. 15, 1879 | 785 | 221 | 15 | 589 |
| 212, 452 | Forster, William E., assignor of one-fourth interest to E. Dacy, Nashua, N. H. Lock | Feb. 18, 1879 | 742 | 205 | 15 | 227 |
| 218, 954 | Forsyth, Henry, Chicago, Ill. Railway-rail joint | Aug. 26, 1879 | 1003 | 282 | 16 | 386 |
| 220, 597 | Forsyth, John, Philadelphia, Pa. Horse-creeper | Oct. 14, 1879 | 454 | 118 | 16 | 703 |
| | Fort Madison Chair Company. (*See* Hopkins, William W., assignor.) | | | | | |
| 212, 453 | Fort, Wilson N., and R. R. Moore, Lewisville, Ark. Pill-machine | Feb. 18, 1879 | 744 | 205 | 15 | 228 |
| 216, 170 | Fort, Wilson N., Lewisville, Ark. Rotary engine | June 3, 1879 | 171 | 51 | 15 | 906 |
| 217, 602 | Same ..... Animal-trap | July 15, 1879 | 766 | 217 | 16 | 122 |
| 218, 513 | Same ..... Gate | Aug. 12, 1879 | 472 | 132 | 16 | 294 |
| 211, 144 | Fortenbach, Joseph, Carlstadt, N. J. Attachment to stem-winder-watch cases | Jan. 7, 1879 | 71 | 22 | 15 | 9 |
| | Fortmann, Augustus H. (*See* Ross & Fortmann.) | | | | | |
| 219, 454 | Fory, Martin R., Washington, D. C. Water-closet | Sept. 9, 1879 | 464 | 129 | 16 | 479 |
| 217, 524 | Fosdick, Charles, assignor to Fitchburg Steam Engine Company, Fitchburg, Mass. Shuttle-actuating mechanism for looms | July 15, 1879 | 674 | 192 | 16 | 110 |
| 221, 206 | Fosdick, Frederick, Fitchburg, Mass. Governor for steam-engines | Nov. 4, 1879 | 170 | 47 | 16 | 836 |
| 211, 724 | Fosgate, Daniel O., Rochester, Minn. Sulky-plow | Jan. 28, 1879 | 772 | 217 | 15 | 105 |
| | Foskett, William A. (*See* Brown & Foskett) (Reissue.) | | | | | |
| | Same ..... same (Reissue.) | | | | | |
| 217, 934 | Foss, James M., Saint Albans, Vt. Car-truck | July 29, 1879 | 1157 | 331 | 16 | 189 |
| | Foster & Bailey. (*See* Kelley, Dennis, assignor.) | | | | | |
| 211, 725 | Foster, Charles, deceased, J. M. Foster, Cortland Village, executrix and assignor to L. H. Rogers, New York, N. Y. Envelope | Jan. 28, 1879 | 773 | 217 | 15 | 106 |
| 221, 915 | Foster, Charles E., Washington, D. C., assignor to Fisk, Clark & Flagg, New York, N. Y. Shield for scarfs | Nov. 25, 1879 | 921 | 258 | 16 | 965 |
| | Foster, Charles J. (*See* Foster, John and C. J.) | | | | | |
| 215, 729 | Foster, Dan P., Waltham, Mass. Adjustable ladder-hook | May 27, 1879 | 879 | 256 | 15 | 837 |
| 222, 484 | Same ..... Pipe-wrench | Dec. 9, 1879 | 426 | 121 | 16 | 1076 |
| | Foster, Jane M., executrix. (*See* Foster, Charles.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 215, 904 | Foster, John, Leeds, and C. J. Foster, Normanton, York County, England. Apparatus for burning brick, &c | May 27, 1879 | 1073 | 312 | 15 | 862 |
| 217, 790 | Foster, Joseph, Richburg, N. Y. Fastening for vehicle-seats | July 22, 1879 | 984 | 281 | 16 | 160 |
| | Foster, Lorenzo J. (*See* Courtney & Foster.) | | | | | |
| 216, 171 | Foster, Prince H., Babylon, N. Y. Sanitary mask | June 3, 1879 | 172 | 51 | 15 | 907 |
| | Foster, Robert. (*See* Eddy, Horace D., assignor.) | | | | | |
| 222, 777 | Foster, Thomas J., Granger, Ind. Tension device for grain-binder wire-spools | Dec. 23, 1879 | 779 | 224 | 16 | 1147 |
| 223, 127 | Foster, Thomas M., Union City, Pa. Hinge | Dec. 30, 1879 | 1187 | 336 | 16 | 1214 |
| | Foster, Wilbur F. (*See* Sims, Austin P., assignor.) | | | | | |
| 213, 817 | Foster, William, Brooklyn, N. Y. Hydraulic pump | Apr. 1, 1879 | 96 | 29 | 15 | 485 |
| 212, 454 | Foulger, George W., Charleston, Ill., assignor of one-fourth interest to F. M. Parker. Broom-corn tabler | Feb. 18, 1879 | 746 | 205 | 15 | 228 |
| 216, 951 | Foulis, James L., Colinton, Mid-Lothian County, North Britain. Ventilating ships | July 1, 1879 | 27 | 8 | 16 | 6 |
| 220, 230 | Fowle, Joseph W., Boston, Mass. Ship's night-signal | Oct. 7, 1879 | 23 | 6, 7 | 16 | 638 |
| 220, 231 | Same.....Ship's fog-signal | Oct. 7, 1879 | 25 | 7 | 16 | 638 |
| | Fowle, William B. (*See* Wales, William A., assignor.) | | | | | |
| 212, 918 | Fowler, Arthur H., Newark, Ohio. Steam-boiler | Mar. 4, 1879 | 176 | 48 | 15 | 319 |
| 218, 726 | Fowler, Benjamin F., assignor of one-third interest to B. Rathbun, Eau Claire, Wis. Grain grader and separator | Aug. 19, 1879 | 718 | 204 | 16 | 337 |
| 219, 084 | Fowler, Elbert W., Chicago, Ill. Device for operating safe bolt-works | Sept. 2, 1879 | 30 | 9 | 16 | 416 |
| 222, 581 | Fowler, Frank, Deering, Me. Earth-closet | Dec. 16, 1879 | 549 | 156 | 16 | 1103 |
| 213, 559 | Fowler, George H., Taughannock Falls, N. Y. Hay elevator and carrier | Mar. 25, 1879 | 907 | 259 | 15 | 438 |
| | Fowler, Henry. (*See* Dowling, Thomas W., assignor.) | | | | | |
| 219, 793 | Fowler, Herbert C., Mount Vernon, assignor of one-half interest to J. Gibbard, Columbus, Ohio. Fruit-jar top | Sept. 16, 1879 | 840 | 232 | 16 | 538 |
| 8, 979 | Fowler, Herbert E., New Haven, and W. W. Holmes, Wallingford, Conn., assignors, by mesne assignments, to H. E. Fowler. Manufacture of plated spoons...(Reissue) | Nov. 25, 1879 | 1153 | ..... | 16 | 997 |
| 219, 394 | Fowler, Herbert E., New Haven, Conn. Harness-bridle | Sept. 9, 1879 | 398 | 111 | 16 | 471 |
| 220, 364 | Fowler, Horton L., Rochester, N. Y. Slop-jar | Oct. 7, 1879 | 170 | 45 | 16 | 658 |
| 222, 887 | Fowler, John, Louisville, Ky. Globe-valve | Dec. 23, 1879 | 904 | 261 | 16 | 1165 |
| 221, 226 | Fowler, John I., Ukiah, Cal. Fastening lashes to whips | Nov. 4, 1879 | 95 | 25 | 16 | 825 |
| | Fowler, Joseph. (*See* Walsh, William H., assignor.) | | | | | |
| 217, 601 | Fowler, Joseph C., assignor to self and J. H. B. House, Arcola, Tex. Running-gear for wagons | July 15, 1879 | 765 | 217 | 16 | 122 |
| | Fowler, Martha A., *et al.* (*See* Bartlett, Henry L., assignor.) | | | | | |
| 8, 654 | Fowler, Nathaniel C., Boston, Mass. Fire-proof box for papers, &c.....(Reissue) | Apr. 1, 1879 | 258 | 75 | 15 | 506 |
| 212, 138 | Same.....same | Feb. 11, 1879 | 370 | 101 | 15 | 175 |
| 218, 955 | Fox, Charles E., assignor of one-half interest to E. E. Wood, Mount Pleasant, Mich. Washing-machine | Aug. 26, 1879 | 1003 | 282 | 16 | 386 |
| 216, 841 | Fox, Edward, Brooklyn, N. Y. Apparatus for disintegrating grain and distilling spirits | June 24, 1879 | 962 | 273 | 15 | 1035 |
| 219, 812 | Fox, Jacob G., Otsego Lake, Mich. Nut-lock | Sept. 23, 1879 | 882 | 242 | 16 | 552 |
| 215, 730 | Fox, James A., and T. F. Cottrell; said Fox assignor to V. B. Gaskill, Newfane, N. Y. Tether | May 27, 1879 | 879 | 257 | 15 | 838 |
| 216, 320 | Fox, James S., Oshawa, Ontario, Canada. Clothes-mangle | June 10, 1879 | 353 | 103 | 15 | 936 |
| | Fox, John. (*See* Byram & Fox.) | | | | | |
| 220, 206 | Fox, Levi M., Albion, Iowa. Car-coupling | Sept. 30, 1879 | 1333 | 368 | 16 | 623 |
| 218, 010 | Fox, William, Steubenville, Ohio, assignor of one-half interest to R. J. Beatty. Glass-mold | July 29, 1879 | 1238 | 354 | 16 | 200 |
| 213, 885 | Fox, William R., Turnerville, Conn. Water-motor | Apr. 1, 1879 | 168 | 49 | 15 | 494 |
| 216, 608 | Fox, William R., Middletown, Conn. Miter-cutter | June 17, 1879 | 687 | 196 | 15 | 989 |
| 214, 247 | Foy, Lavinia H., New Haven, Conn. Corset | Apr. 15, 1879 | 620 | 175 | 15 | 568 |
| | Foy, Patrick F. (*See* Kite, John L., assignor.) | | | | | |
| 220, 365 | Foye, William H., San Francisco, Cal. Steam farming apparatus | Oct. 7, 1879 | 171 | 45 | 16 | 658 |
| 220, 366 | Same.....Combined steam harvester and thrasher | Oct. 7, 1879 | 173 | 46 | 16 | 658 |
| 220, 367 | Same.....Double-acting reversible gang-plow | Oct. 7, 1879 | 174 | 46 | 16 | 658 |
| 213, 408 | Frakes, Thomas A., New Holland, Ill. Bed-plate for wagon-bodies | Mar. 18, 1879 | 743 | 208 | 15 | 409 |
| 219, 353 | Same.....Tire-tightener | Sept. 9, 1879 | 348 | 99 | 16 | 464 |
| 220, 970 | Frambach, Henry A., Menasha, Wis. Machine for making paper-pulp from wood | Oct. 28, 1879 | 899 | 240, 241 | 16 | 779 |
| 221, 404 | Same.....Process and machinery for making paper-pulp from wood | Nov. 11, 1879 | 311 | 85 | 16 | 864 |
| | Frampton, Joseph. (*See* Fisher, Charles N., assignor.) | | | | | |
| 216, 734 | France, Simon W., Brooklyn, N. Y. Nursing-bottle | June 24, 1879 | 837 | 238 | 15 | 1019 |
| 217, 604 | Francis, Casper S., Spring City, Pa. Water-proof fabric | July 15, 1879 | 767 | ..... | 16 | 122 |
| 212, 094 | Francis, John A., New York, N. Y. Manufacture of hydraulic cement | Feb. 11, 1879 | 317 | ..... | 15 | 168 |
| 222, 266 | Francis, Lewis, deceased, New York (M. A. and M. A. Francis, administratrixes), and W. Braidwood, Mount Vernon, N. Y. Machine for the manufacture of carbon or manifold paper | Dec. 2, 1879 | 171 | 44, 45 | 16 | 1032 |
| | Francis, Maggie A., *et al.*, administratrixes. (*See* Francis & Braidwood.) | | | | | |
| | Francis, Martha A., *et al.*, administratrixes. (*See* Francis & Braidwood.) | | | | | |
| 219, 244 | Francis, Samuel W., Newport, R. I. Signal for telephone and telegraph lines | Sept. 2, 1879 | 218 | 63 | 16 | 409 |
| | Franck, John L. (*See* Donaldson, Frank, assignor.) | | | | | |
| | Frank, Henry L. (*See* Greenebaum, Michael, assignor.) | | | | | |
| 218, 956 | Frank, James, Indianapolis, Ind. Wagon-axle | Aug. 26, 1879 | 1004 | 282 | 16 | 386 |
| 211, 901 | Franke, Theodore P., Buffalo, N. Y. Steam-generator and heater | Feb. 4, 1879 | 88 | 26 | 15 | 137 |
| 219, 243 | Frankl, Bernnard, New York, N. Y. Combined hood and cloak | Sept. 2, 1879 | 217 | 63 | 16 | 409 |
| 212, 369 | Franklin, Benjamin, and J. Gilberds, Jamestown, N. Y. Pipe wrench with cutter | Feb. 18, 1879 | 636 | 178, 179 | 15 | 213 |
| 212, 919 | Franklin, Benjamin, Jamestown, N. Y. Plow and farm-truck | Mar. 4, 1879 | 177 | 48 | 15 | 319 |
| 216, 842 | Franklin, Mathew C., and N. Landrum, Prairie Lea, Tex. Brake for wagons and cars | June 24, 1879 | 963 | 274 | 15 | 1035 |
| 219, 928 | Franklin, Mathew C., assignor to self and C. M. Lane, Lockhart, Tex. Lever-power | Sept. 23, 1879 | 1002 | 279 | 16 | 569 |
| 213, 887 | Franks, Ely A., Houston, Tex. Cart-saddle | Apr. 1, 1879 | 172 | 50 | 15 | 494 |
| 212, 208 | Franz, Henry, assignor to Campbell, Jones & Co., Pittsburg, Pa. Glass tray | Feb. 11, 1879 | 450 | 124 | 15 | 185 |
| 220, 822 | Same.....Manufacture of glassware | Oct. 21, 1879 | 716 | 190 | 16 | 746 |
| | Frary, James D. (*See* Leonard, John B. H., assignor.) | | | | | |
| 217, 603 | Frary, James D., Bridgeport, Conn. Pocket-cutlery | July 15, 1879 | 766 | 218 | 16 | 122 |
| 220, 368 | Frash, Christian G., Hoboken, N. J. Apparatus for charging purifying, and filling out beer | Oct. 7, 1879 | 176 | 46 | 16 | 658 |
| 219, 574 | Fray, John S., Bridgeport, Conn. Bit-brace | Sept. 16, 1879 | 593 | 165 | 16 | 504 |
| 211, 902 | Frazee, Richard H., H. L. Fisher, and A. J. Hassell, Toledo, Iowa. Automatic lamp-extinguisher | Feb. 4, 1879 | 89 | 26 | 15 | 137 |
| 219, 153 | Frazee, Vitruvius, assignor of one-half interest to J. Baumberger, San Francisco, Cal. Penetrable coupling to permit the passage of ropes, &c | Sept. 2, 1879 | 106 | 31 | 16 | 426 |
| 219, 455 | Frazer, Samuel, Galena, Ill. Lubricant | Sept. 9, 1879 | 465 | ..... | 16 | 479 |
| 215, 447 | Frazier, Jacob, Centralia, Ill. Fence-post | May 20, 1879 | 536 | 163 | 15 | 786 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 211, 393 | Frazier, William, Centralia, Ill. Windmill | Jan. 14, 1879 | 376 | 108 | 15 | 49 |
| 221, 405 | Frederick, Christian, and S. N. Trump, assignors to Trump Brothers Machine Company, Wilmington, Del. Padlock | Nov. 11, 1879 | 313 | 85 | 16 | 864 |
| 212, 306 | Frederick, Edwin R., assignor of one-half interest to R. Bolliger, Philadelphia, Pa. Plant-protector | Feb. 18, 1879 | 562 | 157 | 15 | 204 |
| | Frederick, John S., *et al.* (*See* Cord, John T., assignor.) | | | | | |
| | Frederick, Levi W. (*See* Tucker, Dorsey & Frederick.) | | | | | |
| 214, 644 | Frederick, Levi W., assignor of one-half interest to R. S. Dorsey, Indianapolis, Ind. Wagon-standard | Apr. 22, 1879 | 1088 | 305 | 15 | 636 |
| 218, 725 | Frederick, Levi W., assignor to one-half interest to R. S. Dorsey and M. E. Bunger, Indianapolis, Ind. Stump-puller | Aug. 19, 1879 | 717 | 204 | 16 | 337 |
| 222, 778 | Fredricks, William, New York, N. Y. Cigar-box | Dec. 23, 1879 | 780 | 224 | 16 | 1147 |
| | Free, William. (*See* Hayes & Free) (Reissue.) | | | | | |
| | Freeman, Charles S., *et al.* (*See* Gibbs, James E., assignor.) | | | | | |
| 212, 844 | Freeman, Frank A., Maplewood, Mass., assignor to Pope Manufacturing Company. Hair-brush | Mar. 4, 1879 | 72 | 21 | 15 | 307 |
| 214, 381 | Freeman, George L., Little Falls, N. Y., assignor to Whitman & Burrell. Cheese-hoop | Apr. 15, 1879 | 788 | 221 | 15 | 589 |
| 218, 957 | Freeman, George W., and P. Lough, Frankfort, Ind. End-gate for wagons | Aug. 26, 1879 | 1005 | 283 | 16 | 386 |
| | Freeman, Harlow M. (*See* Rogers & Freeman.) | | | | | |
| 220, 599 | Freeman, John E., Herkimer, N. Y. Steam-generator | Oct. 14, 1879 | 456 | 118 | 16 | 704 |
| 211, 626 | Freeman, Max J., Walla Walla, Wash. Sulky-plow | Jan. 28, 1879 | 658 | 185 | 15 | 90 |
| 212, 678 | Freeman, William C., Louisiana, Mo. Manufacture of wooden scoops | Feb. 25, 1879 | 1007 | 280 | 15 | 271 |
| 215, 905 | Freligh, Ferris, Rodney, Miss. Wash-board | May 27, 1879 | 1074 | 312 | 15 | 862 |
| 216, 387 | French, Aaron F., assignor to self and A. P. McCaul, Denison, Iowa. Harrow | June 10, 1879 | 436 | 124 | 15 | 947 |
| 216, 172 | French, Carlos, Seymour, Conn. Car-spring | June 3, 1879 | 173 | 51 | 15 | 907 |
| | French, Charles E. (*See* Smith & French.) | | | | | |
| | French, Frank L. (*See* Cole & French.) | | | | | |
| | French, George N. (*See* Maloney, James A., assignor.) | | | | | |
| 220, 134 | French, Henry A., North Orange, Mass. Wrench | Sept. 30, 1879 | 1250 | 344 | 16 | 611 |
| 211, 090 | French, Henry R., Fitchburg, assignor to Vulcanite Manufacturing Company, Leominster, Mass. Die for molding buttons | Jan. 7, 1879 | 13 | 4 | 15 | 2 |
| 218, 120 | French, Hiram M., Boston, Mass. Appliance for printing upon and sizing paper and other fabrics | Aug. 5, 1879 | 15 | 5 | 16 | 223 |
| 218, 870 | French, William P., Washington, Iowa. Weather-strip | Aug. 26, 1879 | 913 | 255 | 16 | 373 |
| 222, 687 | Fresco, Joseph A., Angers, France. Combined pencil and line-measurer | Dec. 16, 1879 | 677 | 194 | 16 | 1122 |
| 211, 728 | Freund, Frank W., Cheyenne, Wyo. Breech-loading fire-arm | Jan. 28, 1879 | 776 | 218 | 15 | 106 |
| 216, 084 | Same.....same | June 3, 1879 | 84 | 24 | 15 | 895 |
| | Frew, William. (*See* Connelly, Joseph H., assignor.) | | | | | |
| | Frey, F. E., *et al.* (*See* Ozmann, Philipp, assignor.) | | | | | |
| 220, 470 | Frey, John A., New York, N. Y. Apparatus for vaporizing and burning hydro-carbon oils | Oct. 14, 1879 | 296 | 79 | 16 | 684 |
| 220, 902 | Same.....Oil-stove | Oct. 21, 1879 | 800 | 214 | 16 | 758 |
| 213, 184 | Frick, John, New York, N. Y. Candlestick | Mar. 11, 1879 | 499 | 138 | 15 | 369 |
| 220, 600 | Friedlander, Herman, Marietta, Ohio. Sponge-cup | Oct. 14, 1879 | 457 | 119 | 16 | 704 |
| 211, 233 | Friedly, Michael, assignor of one-third interest to Mahon Brothers, Dunkirk, Ohio. Spoon | Jan. 7, 1879 | 170 | 50 | 15 | 23 |
| 213, 648 | Friedmann, Alexander, Vienna, Austria. Injector | Mar. 25, 1879 | 1004 | 286 | 15 | 451 |
| 217, 360 | Friedrichs, Johann C., Jersey City, N. J. Compound for forming letters, figures, or ornaments | July 8, 1879 | 488 | ..... | 16 | 74 |
| 212, 307 | Friend, Jacob, Cincinnati, Ohio. Skylight | Feb. 18, 1879 | 563 | 158 | 15 | 204 |
| 212, 679 | Friend, Samuel, Decatur, Ill. Basket | Feb. 25, 1879 | 1008 | 280 | 15 | 271 |
| | Frink, Erastus O. (*See* Smith & Frink) (Reissue.) | | | | | |
| 215, 448 | Frink, Isaac P., New York, N. Y. Reflector | May 20, 1879 | 556 | 163 | 15 | 786 |
| | Frisbie, Harrie D., *et al.* (*See* Rednon, Hope, jr., assignor.) | | | | | |
| 223, 210 | Frishmuth, William, and H. B. Van Tronk, Philadelphia, Pa. Solution for depositing nickel alloys | Dec. 30, 1879 | 1274 | ..... | 16 | 1226 |
| 214, 558 | Fritsch, Joseph W., Cincinnati, Ohio. Lightning-rod coupling | Apr. 22, 1879 | 1000 | 281 | 15 | 624 |
| 214, 501 | Fritsch, Karl, and J. Forster, Vienna, Austria, assignors of one-third interest to Koch Brothers, Stuttgart, Würtemberg. Telescope | Apr. 22, 1879 | 924 | 261 | 15 | 615 |
| 219, 632 | Fritz, Jacob, Brooklyn, N. Y., assignor to G. H. Russell, Newark, N. J. Horseshoe-bar | Sept. 16, 1879 | 664 | 184 | 16 | 514 |
| | Froehlich, John C., *et al.* (*See* Zastrow, George W., assignor.) | | | | | |
| 216, 032 | Frost, Edward J., assignor of two-thirds interest to J. R. Carpenter and R. E. Peterson, Philadelphia, Pa. Converting motion | June 3, 1879 | 30 | 8 | 15 | 888 |
| 219, 573 | Frost, Francis C., Anoka, Minn. Hand corn-planter | Sept. 16, 1879 | 592 | 165 | 16 | 504 |
| 215, 731 | Frost, Francis S., Arlington, Mass. Easel | May 27, 1879 | 880 | 257 | 15 | 838 |
| | Frost & Co., George. (*See* Shelby, Christopher C., assignor.) | | | | | |
| | Frost, George, *et al.* (*See* Gray, Robert W., assignor.) | | | | | |
| | Frost, George. (*See* Powell, Thomas, assignor) (Reissue.) | | | | | |
| | Frost, George A., *et al.* (*See* Gray, Robert W., assignor.) | | | | | |
| | Frost, Madison H. (*See* Edelblute, Charles W., assignor.) | | | | | |
| 214, 998 | Frost Mary A., Barnesville, Ohio. Corpse-cooler | May 6, 1879 | 18 | 6 | 15 | 705 |
| 215, 055 | Same.....Coffin | May 6, 1879 | 80 | 24 | 15 | 713 |
| 222, 485 | Frost, Merrill A., Sumpter, Mich. Harness | Dec. 9, 1879 | 427 | 122 | 16 | 1077 |
| | Frost, Sarah A. (*See* Schneckenburger, Robert, assignor.) | | | | | |
| 219, 708 | Frost, William D., Grand Rapids, Mich. Box-fastener | Sept. 16, 1879 | 750 | 207 | 16 | 525 |
| 8, 881 | Frue, William B., Detroit, Mich. Ore-washer (Reissue) | Sept. 2, 1879 | 329 | 93 | 16 | 454 |
| | Fry, Charles H., jr. (*See* Greenfield & Fry.) | | | | | |
| 213, 409 | Fryer, Alfred, Wilmslow, Great Britain. Kiln for carbonizing street-refuse | Mar. 18, 1879 | 743 | 209 | 15 | 409 |
| 219, 085 | Fryer, George G., Philadelphia, Pa. Refrigerating and ventilating apparatus | Sept. 2, 1879 | 32 | 10, 11 | 16 | 416 |
| | Fryer, James, (*See* Egerton & Snell, assignors.) | | | | | |
| 219, 245 | Fuchs, Benjamin F., Tiger Mill, Tex. Washing-machine | Sept. 2, 1879 | 220 | 63 | 16 | 440 |
| 222, 688 | Fugel, Alexander, Clayton, Cal. Grain-separator | Dec. 16, 1879 | 678 | 195 | 16 | 1122 |
| 214, 960 | Fulgham, Jessie P., assignor to Wayne Agricultural Company, Richmond, Ind. Fertilizing attachment for seeding-machines | Apr. 29, 1879 | 1384 | 386 | 15 | 681 |
| 216, 735 | Fulgham, Jesse P., assignor of one-half interest to Wayne Agricultural Company, Richmond, Ind. Seeding-machine | June 24, 1879 | 838 | 239 | 15 | 1019 |
| 219, 929 | Same.....Spring-hoe for seeding-machines | Sept. 23, 1879 | 1002 | 279 | 16 | 569 |
| | Fullen, James. (*See* Wilson, Francis M., assignor.) | | | | | |
| 212, 920 | Fuller, Albert F., Providence, R. I. Blind-fastener | Mar. 4, 1879 | 178 | 49 | 15 | 319 |
| | Fuller, Arthur. (*See* Johnson, Joseph B., assignor) (Reissue.) | | | | | |
| 213, 649 | Fuller, Charles H., Akron, Ohio. Stuffing-box | Mar. 25, 1879 | 1005 | 286 | 15 | 451 |
| 215, 112 | Fuller, Cornelius, Somerset, Mass. Means for attaching urns to stoves | May 6, 1879 | 153 | 44 | 15 | 721 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 220, 524 | Fuller, David, Fullersburg, assignor to R. Fuller and R. R. Foote, Chicago, Ill. Washing-machine | Oct. 14, 1879 | 359 | 95 | 16 | 692 |
| 217, 605 | Fuller, David T., Buffalo, N. Y. Ironing-board | July 15, 1879 | 767 | 218 | 16 | 122 |
| 216, 785 | Fuller, Eben E., Saint Francis, assignor of one-half interest to G. Houghton, Carver, Minn. Hay-press | June 24, 1879 | 896 | 255 | 15 | 1027 |
| | Fuller Electrical Company. (*See* Fuller, Jim B., assignor.) | | | | | |
| 219, 246 | Fuller, George, Belfast, Ireland. Calculator | Sept. 2, 1879 | 222 | 64 | 16 | 440 |
| | Fuller, George H., *et al.* (*See* Corduan, Joseph, assignor.) | | | | | |
| 215, 113 | Fuller, George H., Pawtucket, R. I. Manufacture of jewelry | May 6, 1879 | 154 | 44 | 15 | 721 |
| 215, 217 | Same.....Manufacture of jeweler's findings | May 13, 1879 | 287 | 84 | 15 | 741 |
| 217, 361 | Fuller, Henry W., Brooklyn, N. Y. Faucet | July 8, 1879 | 489 | 142 | 16 | 74 |
| 215, 732 | Fuller, Hiram E., Toledo, Iowa. Holder for sickles, &c | May 27, 1879 | 880 | 257 | 15 | 838 |
| 215, 733 | Fuller, Jim B., Brooklyn, N. Y. Electric candle | May 27, 1879 | 881 | 257 | 15 | 238 |
| 218, 375 | Fuller, Jim B., New York, assignor, by mesne assignments, to Fuller Electrical Company, New York, N. Y. Electric lamp | Aug. 12, 1879 | 311 | 85 | 16 | 273 |
| | Fuller, John G., *et al.* (*See* Corduan, Joseph, assignor.) | | | | | |
| 213, 888 | Fuller, Joseph P., Villula, Ala. Vehicle-spring brace | Apr. 1, 1879 | 172 | 50 | 15 | 494 |
| 213, 745 | Fuller, Levi K., Brattleborough, Vt. Hydraulic engine | Apr. 1, 1879 | 17 | 6 | 15 | 475 |
| 216, 388 | Fuller, Orlando F., Lamont, Mich. Gate | June 10, 1879 | 437 | 125 | 15 | 947 |
| | Fuller, R., *et al.* (*See* Fuller, David, assignor.) | | | | | |
| | Fuller, Samuel A., trustee. (*See* Byers, John F., assignor) .....(Reissue). | | | | | |
| | Fuller, Samuel S. (*See* Lane, Joseph, assignor.) | | | | | |
| 216, 389 | Fuller, Willard M., assignor to E. Barr, New York, N. Y. Steam-radiator | June 10, 1879 | 438 | 125 | 15 | 947 |
| 211, 983 | Fulton, Andrew, Albany, N. Y. Automatic gas-light extinguisher | Feb. 4, 1879 | 183 | 52 | 15 | 150 |
| | Fulton, Joseph W., *et al.* (*See* Mitchell, Albion L. F., assignor.) | | | | | |
| 215, 906 | Fulton, Louis B., and J. Proeger, Pittsburg, Pa. Injector | May 27, 1879 | 1075 | 313 | 15 | 862 |
| 220, 471 | Fulton, Louis B., Pittsburg, Pa. Combined injector and ejector | Oct. 14, 1879 | 298 | 80 | 16 | 684 |
| 216, 173 | Fulton, Samuel M., Pittsburg, Pa. Device for supplying feed-water to boilers | June 3, 1879 | 174 | 52 | 15 | 907 |
| 214, 816 | Funk, Hermann C., and W. J. Bennett, Fox Lake, Wis., assignors to said Funk. Galvanic collar-pad | Apr. 29, 1879 | 1297 | 362 | 15 | 670 |
| | Funke, Herman, jr. (*See* Gurney, Frederick B., assignor.) | | | | | |
| | Funkhouser, Charles S. (*See* Willis & Funkhouser.) | | | | | |
| 219, 930 | Funkhouser, Martin L., Saint Louis, Mo. Vegetable-cutter | Sept. 23, 1879 | 1004 | 279 | 16 | 570 |
| | Furlong, Thomas. (*See* Hall & Furlong.) | | | | | |
| 212, 595 | Furlong, Thomas T., Chicago, Ill. Horse-boot | Feb. 25, 1879 | 928 | 257 | 15 | 261 |
| 216, 390 | Furman, George C., New York, N. Y. Blacking-box | June 10, 1879 | 439 | 125 | 15 | 947 |
| 217, 525 | Furness, James C., Boston, Mass. Grate-bar for furnaces | July 15, 1879 | 675 | 192 | 16 | 110 |
| 214, 901 | Furst, Michael, and W. Chadwick, Brooklyn, N. Y. Machine for spinning hemp yarn | Apr. 29, 1879 | 1386 | 386 | 15 | 681 |
| 217, 791 | Gable, John H., Shamokin, Pa. Miner's lamp | July 22, 1879 | 985 | 282 | 16 | 160 |
| | Gadsden, Henry A. (*See* Godfrey & Howson, assignors.) | | | | | |
| 213, 102 | Gaertner, Adolph, assignor to L. Pattberg & Brothers, New York, N. Y. Catch for boxes | Mar. 11, 1879 | 406 | 112 | 15 | 356 |
| 212, 680 | Gage, Charles, Saint Louis, Mo. Magazine-stove | Feb. 25, 1879 | 1009 | 281 | 15 | 271 |
| 213, 889 | Gage, Julius F., and C. F. Linscott, Boston, Mass. Saw-frame | Apr. 1, 1879 | 173 | 50 | 15 | 494 |
| 215, 515 | Gage, Snyder H., and G. W. Benedict, Fort Plain, N. Y. Vehicle side-spring | May 20, 1879 | 636 | 185 | 15 | 797 |
| 211, 984 | Gage, Walter H., Bellows Falls, Vt. Basket | Feb. 4, 1879 | 184 | 52 | 15 | 150 |
| 215, 997 | Gaines, Hiram F., Keeseville, N. Y. Thill-coupling | May 27, 1879 | 1077 | 313 | 15 | 862 |
| 219, 931 | Gainey, James, Augusta, Ga. Combined filter and supply-pipe | Sept. 23, 1879 | 1005 | 279 | 16 | 570 |
| | Gaither, Joseph C. (*See* Hart & Gaither.) | | | | | |
| | Gale, Alvin T. (*See* Baird & Gale.) | | | | | |
| 220, 917 | Gale, Andrew, Chicopee Falls, Mass. Spring-tooth for horse rakes and tedders | Oct. 28, 1879 | 828 | 222 | 16 | 770 |
| 219, 709 | Gale, Ansel H., Freeport, Ill. Sulky-plow | Sept. 16, 1879 | 751 | 208 | 16 | 525 |
| 223, 128 | Gale, Charles A., Piqua, Ohio. Photographic-printing frame for solar printing | Dec. 30, 1879 | 1188 | 336 | 16 | 1214 |
| 213, 043 | Gale, D'Alembert T., Albany, N. Y. Speculum-suppositor | Mar. 11, 1879 | 330 | 93 | 15 | 347 |
| 213, 044 | Same ... Abdominal appliances for movement cure | Mar. 11, 1879 | 330 | 93 | 15 | 348 |
| 221, 045 | Gallagher, Patrick, assignor to self and W. P. Haskell, Eureka, Nev. Fire-escape | Oct. 28, 1879 | 991 | 263 | 16 | 791 |
| 218, 727 | Gallinger, Joseph, New York, N. Y. Lamp | Aug. 19, 1879 | 719 | 265 | 16 | 337 |
| | Galloway, Joseph. (*See* Doan & Galloway.) | | | | | |
| 221, 675 | Galloway, Thomas, and J. Larsen, Oshawa, Ontario, Canada. Locking device for seeding-machine teeth | Nov. 18, 1879 | 622 | 174 | 16 | 916 |
| 211, 562 | Galloway, William, Philadelphia, Pa. Porous refrigerator | Jan. 21, 1879 | 567 | 161 | 15 | 76 |
| 214, 121 | Gally, Merritt, New York, N. Y. Mechanical musical instrument | Apr. 8, 1879 | 464 | 132, 133 | 15 | 538 |
| 8, 856 | Same.....same.....(Reissue).. | Aug. 19, 1879 | 810 | 229 | 16 | 350 |
| 220, 369 | Same.....same | Oct. 7, 1879 | 176 | 47 | 16 | 659 |
| 222, 030 | Same.....same | Nov. 25, 1879 | 1044 | 293 | 16 | 981 |
| 216, 391 | Galt, John M., Sterling, Ill. Smut and brush machine for cleaning grain | June 10, 1879 | 440 | 125, 126 | 15 | 947 |
| 213, 504 | Galt, Thomas, and J. Blaisdell, Rock Island, Ill. Swing-chair | Mar. 25, 1879 | 843 | 239 | 15 | 431 |
| | Galt, Thomas A., *et al.* (*See* McEwen, Ezra S., assignor.) | | | | | |
| | Gamewell Fire Alarm Telegraph Company. (*See* Crane & Rogers, assignors. (Reissue.) | | | | | |
| | Same.....(*See* Gamewell, John N., assignor).....(Reissue.) | | | | | |
| 8, 891 | Gamewell, John N., Hackensack, N. J., assignor, by mesne assignments, to Gamewell Fire Alarm Telegraph Company, New York, N. Y. Non-interfering fire-alarm apparatus.....(Reissue).. | Sept. 9, 1879 | 576 | 161 | 16 | 494 |
| | Gandy, Alonzo. (*See* Wilson & Gandy.) | | | | | |
| | Gannon, Thomas. (*See* Monsanto & Gannon.) | | | | | |
| 212, 548 | Gano, Louis H., New York, N. Y. Curtain-roller bracket | Feb. 25, 1879 | 875 | 242 | 15 | 253 |
| 211, 504 | Ganster, George P., Reading, Pa. Gas-burner | Jan. 21, 1879 | 500 | 142 | 15 | 67 |
| 211, 505 | Same.....Automatic gas lighting and extinguishing mechanism | Jan. 21, 1879 | 501 | 142 | 15 | 67 |
| | Gant, Sanford. (*See* Waite & Gavit.) | | | | | |
| 218, 958 | Gantt, Nerborne B., Louisville, Ky. Electric lamp | Aug. 26, 1879 | 1005 | 283 | 16 | 387 |
| 217, 935 | Gard, Emery R. and W. E., Baltimore, Md. Drying-oven | July 29, 1879 | 1157 | 331, 332 | 16 | 190 |
| | Gard, Walter E. (*See* Gard, Emery R. and W. E.) | | | | | |
| 214, 502 | Gardell, John O., Chicago, Ill. Boot and shoe sole and plug | Apr. 22, 1879 | 924 | 261 | 15 | 615 |
| | Gardiner, Abraham. (*See* Peters & Gardiner.) | | | | | |
| 220, 526 | Gardiner, Charles O., assignor to P. P. Mast & Co., Springfield, Ohio. Seeding-machine | Oct. 14, 1879 | 361 | 95 | 16 | 692 |
| 215, 114 | Gardiner, Heman, New York, N. Y. Vehicle-spring | May 6, 1879 | 154 | 44 | 15 | 721 |
| 219, 933 | Gardiner, James, Mantua, N. J. Portable furnace and swine-scalder | Sept. 23, 1879 | 1007 | 280 | 16 | 570 |
| | Gardiner, John L. (*See* Humphrey, Ira, assignor.) | | | | | |
| 217, 362 | Gardner, Archibald B., East New York, N. Y. Grain-bag and fastening | July 8, 1879 | 489 | 142 | 16 | 74 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 212, 921 | Gardner, Charles J., assignor to W. L. McDowell and G. Booth, Philadelphia, Pa. Vegetable-cutter | Mar. 4, 1879 | 179 | 49 | 15 | 314 |
| 220, 525 | Gardner, Frederick A., assignor to self and R. Dunbar & Son, Buffalo, N. Y. Mill for grinding tortilla, green corn, &c | Oct. 14, 1879 | 360 | 95 | 16 | 692 |
| 216, 592 | Gardner, Frederick J., Washington, D. C. Baling-press | June 10, 1879 | 441 | 126 | 15 | 948 |
| 218, 011 | Gardner, George, New York, N. Y. Dish | July 29, 1879 | 1239 | 354 | 16 | 200 |
| 212, 370 | Same.....Undershoe or slipper | Feb. 18, 1879 | 637 | 179 | 15 | 213 |
| | Gardner, George D. (*See* Zinn, Josiah J., assignor.) | | | | | |
| 214, 382 | Gardner, John, assignor of one-half interest to Winchester Repeating Arms Company, New Haven, Conn. Primer for cartridges | Apr. 15, 1879 | 787 | 221 | 15 | 589 |
| | Gardner, J. Wright. (*See* Gardner, Richard H. and J. W.) | | | | | |
| 211, 146 | Gardner, Lemuel, and J. B. Butterfield, Milwaukee, Wis. Barrel | Jan. 7, 1879 | 73 | 23 | 15 | 10 |
| 211, 145 | Gardner, Richard H., and J. W., Troy, N. Y. Ironing-machine | Jan. 7, 1879 | 71 | 23 | 15 | 10 |
| 215, 908 | Gardner, William, New York, N. Y. Machine for sanding and smoothing veneers | May 27, 1879 | 1078 | 313 | 15 | 862 |
| 221, 802 | Same.....Air-compressor | Nov. 18, 1879 | 781 | 218 | 16 | 936 |
| 216, 266 | Gardner, William, Cleveland, Ohio. Machine-gun | June 10, 1879 | 288 | 85, 86 | 15 | 928 |
| 216, 786 | Gardner, William C., and W. Stephenson, Northville, Mich. Machine for chamfering and crozing staves | June 24, 1879 | 897 | 255 | 15 | 1027 |
| | Garfield, Charles L. (*See* Pattison, Juan, assignor.) | | | | | |
| 217, 456 | Garfield, Charles L., and J. Pattison, Albany, N. Y.; said Pattison assignor to said Garfield. Fire-extinguisher | July 15, 1879 | 603 | 172 | 16 | 100 |
| 8, 847 | Garland, James G., Biddeford, Me. Apparatus for moistening the atmosphere. (Reissue) | Aug. 12, 1879 | 591 | 166 | 16 | 312 |
| 222, 888 | Same.....Apparatus for moistening the atmosphere | Dec. 23, 1879 | 904 | 261 | 16 | 1165 |
| | Garland, John T. (*See* Boyd, Washington H., assignor.) | | | | | |
| | Garland, Michael. (*See* Emery, John G., assignor.) | | | | | |
| 217, 088 | Garlock, William H., and R. Cooke, Denison, Tex. Steam-engine | July 1, 1879 | 186 | 54 | 16 | 26 |
| 217, 089 | Same.....Pump | July 1, 1879 | 187 | 54 | 16 | 26 |
| 218, 728 | Garlock, William H., Denison, Tex. Lock | Aug. 19, 1879 | 720 | 205 | 16 | 337 |
| 216, 565 | Garner, John W., Washington, D. C. Heliotrope | June 17, 1879 | 637 | 180, 181 | 15 | 982 |
| | Garnett, Richard. (*See* Landreth & Garnett.) | | | | | |
| | Garrard, Anna K. (*See* Garrard, Jeptha, assignor.) | | | | | |
| 219, 932 | Garrard, Jeptha, assignor to A. K. Garrard, Cincinnati, Ohio. Harvester-rake | Sept. 23, 1879 | 1006 | 280 | 16 | 570 |
| 220, 713 | Garratt, Simeon, Columbus, Ohio. Car-coupling | Oct. 21, 1879 | 590 | 157 | 16 | 730 |
| 215, 600 | Garratt, William T., San Francisco, and S. J. Lynch, Santa Cruz, Cal. Protecting wooden piles | May 20, 1879 | 731 | 214 | 15 | 810 |
| 220, 971 | Garrett, Henry, Richmond, Mo., assignor of one-half interest to R. Scott, Hopewell Station, Ky. Tongue-support for vehicles | Oct. 28, 1879 | 901 | 241 | 16 | 780 |
| | Garrett, Samuel L. (*See* Waitt, George L., assignor.) | | | | | |
| 8, 678 | Garrett, William, assignor of one-half interest to J. R. Howells, Cleveland, Ohio. Roll for utilizing steel rails (Reissue) | Apr. 15, 1879 | 897 | 252 | 15 | 604 |
| 216, 609 | Garrigan, Lawrence, San Francisco, Cal. Hotel and restaurant waiter | June 17, 1879 | 688 | 197 | 15 | 990 |
| 213, 890 | Garrison, William F., Brooklyn, N. Y. Direct-acting engine | Apr. 1, 1879 | 174 | 51 | 15 | 495 |
| 214, 769 | Same.....Air and gas compressor | Apr. 29, 1879 | 1239 | 347 | 15 | 663 |
| | Garrison, Winton C. (*See* Acker, Henry, assignor.) | | | | | |
| 220, 278 | Garrity, John, Louisville, Ky. Combined cut-off cam | Oct. 7, 1879 | 75 | 20 | 16 | 645 |
| 223, 129 | Garst, David W., Washington, D. C., assignor to Libby, McNeill & Libby, Chicago, Ill. Meat-cutter | Dec. 30, 1879 | 1189 | 336 | 16 | 1214 |
| | Gartenfeld, Constantin. (*See* Wohlfarth & Gartenfeld.) | | | | | |
| 218, 252 | Gartley, Alexander G., East Saginaw, Mich. Indicator-lock | Aug. 5, 1879 | 166 | 44 | 16 | 243 |
| 221, 167 | Garvens, Wilhelm, Hanover, Prussia. Pump | Nov. 4, 1879 | 33 | 9 | 16 | 817 |
| 222, 689 | Garver, Alfred R., and H. Hemenway, Colorado Springs, Colo. Wire-stretcher | Dec. 16, 1879 | 679 | 195 | 16 | 1122 |
| | Garver, Cyrus. (*See* Garver, Daniel and C.) (Reissue.) | | | | | |
| 8, 625 | Garver, Daniel and C., Leitersburg, Md. Bag-holder (Reissue) | Mar. 18, 1879 | 817 | 231 | 15 | 419 |
| 214, 122 | Gary, Edward S., Baltimore, Md. Heat-regulator | Apr. 8, 1879 | 467 | 133 | 15 | 539 |
| 217, 526 | Gaskill, Harvey F., Lockport, N. Y. Pumping-engine | July 15, 1879 | 676 | 192 | 16 | 110 |
| | Gaskill, Varney B. (*See* Fox & Cottrell, assignors.) | | | | | |
| 220, 823 | Gaskins, James M., assignor of one-half interest to W. H. Douty, Shamokin, Pa. Scale-measure | Oct. 21, 1879 | 717 | 190 | 16 | 746 |
| 213, 186 | Gassett, Lovel O., Cleveland, Ohio, assignor to self and E. A. L. Roberts, Titusville, Pa. Compound valve for pumping fluids, gases, &c | Mar. 11, 1879 | 500 | 139 | 15 | 369 |
| | Gaston, Anderson L. (*See* Hahn & Gaston.) | | | | | |
| 221, 227 | Gaston, Nathan A., New Prospect, Miss. Car-propeller | Nov. 4, 1879 | 96 | 25 | 16 | 825 |
| 222, 184 | Gateau, Antoine, Tournus, France. Liquid-gas motor | Dec. 2, 1879 | 77 | 18, 19 | 16 | 1019 |
| 217, 275 | Gately, Patrick, New York, N. Y. Steam-engine regulator | July 8, 1879 | 396 | 117 | 16 | 62 |
| 215, 909 | Gates, Adelbert, deceased (A. B. and L. B. Gates, administrators), Schenectady, N. Y. assignor, by mesne assignments, to Washburn & Moen Manufacturing Company, Worcester, Mass. Bale-tie | May 27, 1879 | 1080 | 313 | 15 | 863 |
| | Gates, Anna B., *et al.*, administrators. (*See* Gates, Adelbert.) | | | | | |
| 215, 218 | Gates, Cecil L., Hartford, Conn., assignor to E. L. Bray, Boston, Mass. Curtain-fixture | May 13, 1879 | 287 | 84 | 15 | 741 |
| 222, 626 | Gates, Charles, Brooklyn, Ohio. Lawn-mower | Dec. 16, 1879 | 605 | 172 | 16 | 1111 |
| 211, 467 | Gates, George W., and B. F. Potter, Grand Rapids, Mich. Carpet-sweeper | Jan. 21, 1879 | 462 | 131 | 15 | 62 |
| 220, 018 | Same.....same | Sept. 30, 1879 | 1106 | 306 | 16 | 591 |
| 218, 514 | Gates, John, Portland, Oreg. Steam-pump | Aug. 12, 1879 | 473 | 132, 133 | 16 | 295 |
| | Gates, Linus B., *et al.*, administrators. (*See* Gates, Adelbert.) | | | | | |
| 8, 966 | Gates, Reuben, Parma, Ohio, assignor to S. Bevan, Philadelphia, Pa. Saw-handle. (Reissue) | Nov. 18, 1879 | 887 | 248 | 16 | 952 |
| 215, 115 | Gates, Robert W., Bloomingdale, Ill. Potato-digger | May 6, 1879 | 156 | 44 | 15 | 721 |
| | Gates, Samuel A. (*See* Bartlett, George S., assignor.) | | | | | |
| 216, 321 | Gates, William H., Philadelphia, Pa. Dental engine | June 10, 1879 | 354 | 103 | 15 | 936 |
| 214, 817 | Gathany, William, Channahon, Ill. Pump attachment | Apr. 29, 1879 | 1298 | 363 | 15 | 670 |
| 8, 929 | Gathmann, Louis, Chicago, Ill. Middlings-purifier (Reissue) | Oct. 14, 1879 | 556 | 147 | 16 | 718 |
| 222, 890 | Gathright, John R., Jeffersonville, Ind. Side-saddle tree | Dec. 23, 1879 | 907 | 262 | 16 | 1165 |
| 214, 770 | Gathright, Josiah B., Louisville, Ky. Label-holder | Apr. 29, 1879 | 1241 | 348 | 15 | 663 |
| 214, 771 | Gathright, Josiah B., and S. L. Drabelle, Louisville, Ky. Mail-bag | Apr. 29, 1879 | 1241 | 348 | 15 | 663 |
| 215, 734 | Gathright, Josiah B., Louisvile, Ky. Tree for gig-saddles | May 27, 1879 | 882 | 258 | 15 | 858 |
| 219, 575 | Same.....Riding-saddle | Sept. 16, 1879 | 594 | 166 | 16 | 504 |
| 222, 889 | Same.....Faucet | Dec. 23, 1879 | 906 | 261 | 16 | 1165 |
| 222, 551 | Gatling, Richard J., Hartford, Conn. Culinary apparatus | Dec. 9, 1879 | 271 | 75 | 16 | 1056 |
| | Gaul, Jacob A. (*See* Grannis, Charles M., assignor.) | | | | | |
| | Gault, George E. (*See* Simpson & Gault.) | | | | | |
| 211, 985 | Gaume, Charles J. B., Brooklyn, N. Y. Electro-magnetic engine | Feb. 4, 1879 | 185 | 52 | 15 | 150 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 217, 363 | Gaunt, Fillmore, Mullica Hill, N. J. Attaching colters to plows | July 8, 1879 | 490 | 142 | 16 | 75 |
| | Gaunt, James. (*See* Gaunt, Thomas T., assignor.) | | | | | |
| 220, 824 | Gaunt, John, Gloucester City, N. J., and W. F. Poiesz, Philadelphia, Pa. Centrifugal machine | Oct. 21, 1879 | 717 | 190 | 16 | 746 |
| 223, 038 | Gaunt, Thomas T., Poughkeepsie, assignor of one-half interest to J. Gaunt, New York, N. Y. Food for invalids | Dec. 30, 1879 | 1079 | ..... | 16 | 1200 |
| 218, 253 | Gautier, Fernando, West Pascagoula, Miss. Plow | Aug. 5, 1879 | 167 | 45 | 16 | 243 |
| 218, 812 | Gawthorpe, John, Cleveland, Ohio. Curry-comb and brush | Aug. 26, 1879 | 841 | 236 | 16 | 363 |
| 219, 456 | Gay, George B., assignor to self and R. Mayer, Opelousas, La. Scraper and sweep attachment for plows | Sept. 9, 1879 | 466 | 129 | 16 | 479 |
| 211, 654 | Gay, Geraldus, and W. Kellis, Kellis' Store, Miss. Cotton-cleaner | Jan. 28, 1879 | 694 | 194 | 15 | 95 |
| | Gay, James. (*See* Class, William F., assignor.) | | | | | |
| | Gay, Kimball & Gay. (*See* Kimball, Hiram A., assignor.) | | | | | |
| 8, 850 | Gaylord, Edward L., Bridgeport, assignor to Eagle Lock Company, Terryville, Conn. Piano-lock (Reissue) | Aug. 12, 1879 | 593 | 167 | 16 | 312 |
| | Geach, Robert G. (*See* Havers & Geach.) | | | | | |
| | Geale, John W., *et al.* (*See* Geale, Thomas J., assignor.) | | | | | |
| 222, 267 | Geale, Thomas J., assignor of two-thirds interest to W. E. Webbe and J. W. Geale, Chicago, Ill. Device for salting meats | Dec. 2, 1879 | 172 | 45 | 16 | 1032 |
| 221, 959 | Gear, Alonzo S., New York, N. Y. Calisthenic motor | Nov. 25, 1879 | 977 | 273 | 16 | 972 |
| 211, 727 | Gear, James W., Haverhill, Mass., assignor to B. N. and C. J. Stuart and G. A. Tuxbury. Valve | Jan. 28, 1879 | 776 | 217 | 15 | 106 |
| 212, 549 | Gear, Samuel W., Cambridge, Mass., assignor of one-half interest to E. H. Whitney; said Gear & Whitney assignors to Dover Stamping Company. Clamp for wheels | Feb. 25, 1879 | 876 | 242 | 15 | 253 |
| 212, 084 | Gearing, Charles M., assignor of one-half interest to G. Nevergold, Pittsburg, Pa. Still for hydrocarbon oils | Feb. 4, 1879 | 295 | 81 | 15 | 162 |
| 8, 685 | Gebhart, John F., New Albany, Ind., assignor to G. Crompton. Harness-motion for looms (Reissue) | Apr. 22, 1879 | 1204 | 338 | 15 | 650 |
| 211, 986 | Gee, William, New York, N. Y. Apparatus for dispensing soda-water | Feb. 4, 1879 | 186 | 53 | 15 | 150 |
| 220, 279 | Geery, Samuel W., Newark, N. J. Manufacture of porcelain mantels | Oct. 7, 1879 | 76 | 21 | 16 | 645 |
| 220, 019 | Gehrt, A. Albert, Quincy, Ill. Cotton and hay press | Sept. 30, 1879 | 1108 | 306, 307 | 16 | 592 |
| 214, 383 | Geib, Frederick, Buffalo, N. Y. Paving-block | Apr. 15, 1879 | 788 | 221 | 15 | 590 |
| 220, 370 | Geige, Carl, Werden-an-der-Ruhr, Germany. Lamp | Oct. 7, 1879 | 180 | 47 | 16 | 659 |
| 217, 936 | Geiser, Daniel, Waynesborough, Pa. Bag-holder | July 29, 1879 | 1158 | 332 | 16 | 190 |
| 220, 601 | Geiser, Johan G., Fort Clark, Brackettville, Tex. Plate for holding screw-cutting dies | Oct. 14, 1879 | 457 | 119 | 16 | 704 |
| 211, 987 | Geist, William, Pittsburg, Pa. Bottle-stopper fastener | Feb. 4, 1879 | 188 | 53 | 15 | 150 |
| 211, 627 | Gelatt, Wallace W., Washington, D. C. Perforating-stamp | Jan. 28, 1879 | 660 | 185 | 15 | 91 |
| 211, 325 | Gennert, Ernest T., New York, N. Y. Evaporating-pan | Jan. 14, 1879 | 301 | 89 | 15 | 40 |
| 214, 559 | Same. Extracting saccharine matter from vegetable substances | Apr. 22, 1879 | 1001 | 281 | 15 | 624 |
| 222, 348 | Genthner, Benjamin T., Foxcroft, Me. Seed-sower | Dec. 9, 1879 | 266 | 74 | 16 | 1055 |
| 212, 596 | Gentles, William, St. Helen's, England. Manufacture of muriate of ammonia | Feb. 25, 1879 | 929 | ..... | 15 | 261 |
| | Gentzel, Henry A. (*See* Bitner & Gentzel.) | | | | | |
| | George, Andrew J. (*See* Curry, William M., assignor.) | | | | | |
| 212, 455 | George, John S., and A. E. Payne, Bridgeport, Conn. Machine for polishing the eyes of needles | Feb. 18, 1879 | 747 | 206 | 15 | 228 |
| 218, 729 | George, William S., assignor to J. Whittaker, Saint Louis, Mo. Can for cooked meats | Aug. 19, 1879 | 720 | 205 | 16 | 338 |
| | Gérard, John. (*See* Turnbull, Andrew, assignor.) | | | | | |
| 214, 902 | Gérard, John, assignor to Trenton Lock and Hardware Company, Trenton, N. J. Mouth-piece for speaking-tubes | Apr. 29, 1879 | 1387 | 386 | 15 | 681 |
| | Gerber, Andrew, *et al.* (*See* Gerber, William, assignor.) | | | | | |
| | Gerber, Joseph, *et al.* (*See* Gerber, William, assignor.) | | | | | |
| | Gerber, William. (*See* Watrous & Gerber.) | | | | | |
| 221, 545 | Gerber, William, assignor of two-thirds interest to J. and A. Gerber, Fremont Centre, Mich. Unhairing machine | Nov. 11, 1879 | 479 | 130 | 16 | 887 |
| 221, 803 | Gerges, Peter, Skippack, Pa. Cultivator | Nov. 18, 1879 | 782 | 218 | 16 | 936 |
| 222, 031 | Gerike, Albert T., Philadelphia, Pa. Brush for washing carriages, &c | Nov. 25, 1879 | 1048 | 293 | 16 | 982 |
| 221, 046 | Gerike, Hugo, Rudolstadt, Schwarzburg-Rudolstadt, assignor to H. Martini, Berlin, Germany. Portable cigarette-machine | Oct. 28, 1879 | 992 | 263 | 16 | 791 |
| | Gerkin, Louis, *et al.* (*See* Shipman, William W., assignor.) | | | | | |
| 212, 845 | Gerrish, Henry, Boston, Mass. Spring attachment for rocking-chairs | Mar. 4, 1879 | 73 | 22 | 15 | 307 |
| 218, 671 | Gesner, John F., San Francisco, Cal. Manufacture of ethyl-chloride | Aug. 19, 1879 | 664 | 188 | 16 | 330 |
| 212, 456 | Gessert, Charles F., assignor of one-half interest to M. W. Oliver, Cincinnati, Ohio. Railway-switch | Feb. 18, 1879 | 748 | 206 | 15 | 228 |
| 216, 843 | Gessert, Charles F., Cincinnati, Ohio. Device for opening safe-doors | June 24, 1879 | 963 | 274, 275 | 15 | 1035 |
| 221, 047 | Gessner, Ernst, Aue, Saxony, Germany. Machine for pressing and finishing woven fabrics | Oct. 28, 1879 | 994 | 263 | 16 | 792 |
| 220, 825 | Gessner, Gustavus A., Fremont, Ohio. Producing malt extract | Oct. 21, 1879 | 719 | ..... | 16 | 746 |
| | Getchell, Annie. (*See* Chapman, Maria, assignor.) | | | | | |
| 221, 546 | Getten, Albert C., Chicago, Ill. Machine for printing paper bags | Nov. 11, 1879 | 480 | 131 | 16 | 887 |
| 214, 560 | Gettmann, John H., Oshkosh, Wis. Wine or cider mill | Apr. 22, 1879 | 1002 | 282 | 15 | 624 |
| 217, 606 | Getzschmann, Amandus, assignor of one-third interest to W. Boehl, Omaha, Nebr. Device for stopping runaway horses | July 15, 1879 | 768 | 218 | 16 | 122 |
| 218, 376 | Geyser, John B., Allegheny, Pa. Grate | Aug. 12, 1879 | 312 | 85 | 16 | 273 |
| 217, 607 | Gfroerer, Peter, Terre Haute, Ind. Printing-type | July 15, 1879 | 769 | 218 | 16 | 122 |
| | Ghriskey, Charles M. (*See* Hofmann, William F., assignor.) | | | | | |
| | Gibbard, Joseph. (*See* Fowler, Herbert C., assignor.) | | | | | |
| 217, 276 | Gibbens, David, Guilford Township, Hendricks County, assignor of one-half interest to S. J. Hadley, Mooresville, Ind. Running-gear for wagons | July 8, 1879 | 397 | 117 | 16 | 63 |
| 220, 371 | Same. Wagon-brake | Oct. 7, 1879 | 181 | 48 | 16 | 659 |
| 222, 892 | Gibboney, Adolphus F., Belleville, Pa. Fertilizer-distributer and seed-drill | Dec. 23, 1879 | 909 | 262 | 16 | 1165 |
| 220, 280 | Gibbons, Thomas, Saint Louis, Mo. Hydrant | Oct. 7, 1879 | 77 | 21 | 16 | 645 |
| | Gibbs, Jacob S. (*See* Richardson, Gibbs & Macy.) | | | | | |
| 216, 633 | Gibbs, James E. and W. H., Scottsborough, Ala. Churn-dasher | June 3, 1879 | 31 | 9 | 15 | 889 |
| 219, 934 | Gibbs, James E., assignor of one-half interest to C. S. Freeman and R. H. Bynum, Scottsborough, Ala. Churn-dasher | Sept. 23, 1879 | 1008 | 280 | 16 | 570 |
| 221, 048 | Gibbs, James E., Scottsborough, Ala. Churn-dasher | Oct. 28, 1879 | 996 | 264 | 16 | 792 |
| 212, 209 | Gibbs, Martin L., Canton, Ohio. Plow | Feb. 11, 1879 | 451 | 124 | 15 | 186 |
| | Gibbs, William H. (*See* Gibbs, James E. and W. H.) | | | | | |
| 217, 207 | Gibson, Everett G., assignor to Lowell Machine Shop, Lowell, Mass. Machine for warping or bundling yarn | July 8, 1879 | 323 | 95, 96 | 16 | 53 |
| 221, 454 | Gibson, James C., San Francisco, Cal. Weather-strip | Nov. 11, 1879 | 364 | 100 | 16 | 871 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 219, 710 | Gibson, Richard F. and S. M. Cowden, Tuscaloosa County, Ala. Cultivator | Sept. 16, 1879 | 752 | 208 | 16 | 526 |
| 219, 247 | Gibson, Thomas R., and M. F. Seeley, Fremont, Nebr. Car-starter | Sept. 2, 1879 | 223 | 64 | 16 | 440 |
| 212, 681 | Gibson, William, New York, N. Y. Compound and process for crystallizing glass | Feb. 25, 1879 | 1010 | ..... | 15 | 271 |
| 212, 682 | Same.....Crystalline glass | Feb. 25, 1879 | 1011 | ..... | 15 | 272 |
| 219, 457 | Gibson, William T., Birdsdale, Tex. Running-gear for wagons | Sept. 9, 1879 | 467 | 129 | 16 | 479 |
| | Giering, Joseph X. (*See* Klein & Giering.) | | | | | |
| 219, 711 | Giese, William, Bordeaux, France. Submarine torpedo | Sept. 16, 1879 | 753 | 208 | 16 | 526 |
| 211, 234 | Giffard, Paul, Paris, France. Vaporizer | Jan. 7, 1879 | 170 | 50 | 15 | 23 |
| 219, 633 | Gifford, Albert W., Worcester, Mass. Cambined tweezers and finger-nail cutter | Sept. 16, 1879 | 665 | 185 | 16 | 514 |
| | Gifford, Charles, *et al.* (*See* Estes, William A., assignor.) | | | | | |
| 213, 410 | Gifford, George L., San Antonio, Tex. Plow | Mar. 18, 1879 | 745 | 209 | 15 | 409 |
| | Gifford, Isaac. (*See* Gifford, Joseph and I.) | | | | | |
| 211, 988 | Gifford, John Z., New York, N. Y. Manufacture of paper stencils | Feb. 4, 1879 | 189 | 53 | 15 | 150 |
| 220, 070 | Gifford, Joseph and I., Des Moines, Iowa. Mining-tool | Sept. 30, 1879 | 1178 | 324 | 16 | 601 |
| 216, 267 | Gifford, Thaddeus E., and C. H. Alden, Brockton, Mass. Carpenter's combination-tool | June 10, 1879 | 292 | 86 | 15 | 929 |
| | Gifford, Thomas H. (*See* Gifford, Thomas J. and T. H.) | | | | | |
| 217, 687 | Gifford, Thomas J. and T. H., Salem, Mass. Sole-pressing machine for boots and shoes | July 22, 1879 | 878 | 250 | 16 | 145 |
| 219, 634 | Gifford, William E., Brooklyn, assignor to self and E. Bolitho, New York, N. Y. Ore-roasting furnace | Sept. 16, 1879 | 665 | 185 | 16 | 514 |
| 217, 608 | Gifford, William H., and W. M. Bates, Poughkeepsie, N. Y. Folding chair | July 15, 1879 | 770 | 219 | 16 | 122 |
| | Gilberds, James. (*See* Franklin & Gilberds.) | | | | | |
| 211, 563 | Gilberds, James, Jamestown, N. Y. Package for transporting merchandise | Jan. 21, 1879 | 568 | 161 | 15 | 76 |
| 211, 726 | Gilbert, Cephas, Bucksville, assignor to self and T. W. Beaty, Conwayborough, S. C. Sheep-protector | Jan. 28, 1879 | 775 | 217 | 15 | 106 |
| | Gilbert, Edmund D. (*See* Blount & Gilbert.) | | | | | |
| 222, 130 | Gilbert, Edward M., Byron, Minn. Fanning-mill | Dec. 2, 1879 | 14 | 4, 5 | 16 | 1010 |
| 219, 458 | Gilbert, George W., and M. G. Wilder, Brooklyn, N. Y., assignor to New York Gas Controller Company. Diaphragm | Sept. 9, 1879 | 467 | 130 | 16 | 479 |
| 215, 346 | Gilbert, Isaac R., Louisville, Ky. Sulky-plow | May 13, 1879 | 435 | 129, 130 | 15 | 761 |
| 218, 516 | Same.....same | Aug. 12, 1879 | 478 | 133, 134 | 16 | 295 |
| 222, 779 | Gilbert, James W., Louisville, Ky. Velocipede | Dec. 23, 1879 | 781 | 224 | 16 | 1147 |
| | Gilbert, John, *et al.* (*See* Matthews, John, assignor.) | | | | | |
| 213, 891 | Gilbert, John S., New York, N. Y. Discharge-pipe plug for wash-basins, &c. | Apr. 1, 1879 | 175 | 51 | 15 | 495 |
| 219, 712 | Same.....Discharge-plug for wash-basins | Sept. 16, 1879 | 754 | 208 | 16 | 526 |
| 221, 547 | Gilbert, John W., assignor to S. S. White, Philadelphia, Pa. Carbon telephone | Nov. 11, 1879 | 481 | 132 | 16 | 887 |
| 222, 582 | Gilbert, Robert S., Waterford, Ky. Harvester | Dec. 16, 1879 | 550 | 156, 157 | 16 | 1103 |
| 219, 248 | Gilchrist, Jerome E., La Porte, assignor to M. E. H. Payne, A. N. Chamberlain, and D. A. Danforth, Elkhart, Ind. Windmill | Sept. 2, 1879 | 223 | 64 | 16 | 440 |
| 222, 032 | Giles, Isaac W., South Abington, and B. S. Bryant, North Hanson, Mass. Bag-fastener | Nov. 25, 1879 | 1049 | 293 | 16 | 982 |
| | Giles, William W. (*See* Lathrop, George C., assignor).....(Reissue.) | | | | | |
| 216, 668 | Giles, William W., Cincinnati, Ohio. Drag-sawing machine | June 17, 1879 | 746 | 213 | 15 | 998 |
| 216, 669 | Same.....same | June 17, 1879 | 747 | 213 | 15 | 998 |
| 8, 782 | Same.....same.....(Reissue) | July 1, 1879 | 298 | 88 | 16 | 41 |
| 219, 635 | Same.....same | Sept. 16, 1879 | 668 | 185 | 16 | 514 |
| 221, 168 | Gilfillan, William, assignor to N. C. Ryder, Syracuse, N. Y. Spring-hinge | Nov. 4, 1879 | 34 | 9 | 16 | 817 |
| | Gilham, Mary A., *et al.* (*See* Beesley, Edward, assignor.) | | | | | |
| 216, 787 | Gill, George C., Brooklyn, assignor to R. Hoe & Co., New York, N. Y. Apparatus for stopping and reversing machinery | June 24, 1879 | 898 | 255, 256 | 15 | 1027 |
| 222, 891 | Gill, Ira, Walpole, Mass. Manufacture of fur hats | Dec. 23, 1879 | 907 | ..... | 16 | 1165 |
| 215, 452 | Gill, Jabez H., assignor to H. Bower, Philadelphia, Pa. Machine for the manufacture of compressed pills | May 20, 1879 | 562 | 165, 166 | 15 | 787 |
| 220, 472 | Gill, Jabez H., Philadelphia, Pa. Anvil for cartridge-primers | Oct. 14, 1879 | 301 | 80 | 16 | 684 |
| 215, 516 | Gill, James C., Pittsburg, Pa. Device for attaching plungers to glass-presses | May 20, 1879 | 637 | 186 | 15 | 797 |
| 212, 796 | Gillaspie, John B., Mount Pisgah, Ohio. Wagon-jack | Mar. 4, 1879 | 18 | 6 | 15 | 299 |
| | Gillespie, Charles A. (*See* Stevens, John L., assignor.) | | | | | |
| 212, 308 | Gillespie, Cyrus E., H. J. and F. J. Springer, Edwardsville, Ill. Thill-coupling | Feb. 18, 1879 | 564 | 158 | 15 | 204 |
| 218, 012 | Gillespie, James E., assignor to J. H. Holly and E. B. Taylor, Warwick, N. Y. Loom | July 29, 1879 | 1240 | 355 | 16 | 200 |
| 215, 272 | Gillett, Benjamin W., assignor to self and J. D. Gillett, Jersey City, N. J. Refrigerator | May 13, 1879 | 352 | 102 | 15 | 750 |
| | Gillett, George C., *et al.* (*See* Lodge, Nicholas, assignor.) | | | | | |
| 218, 515 | Gillett, Harrison, Lake City, Minn. Straw-burner boiler | Aug. 12, 1879 | 476 | 133 | 16 | 295 |
| 222, 270 | Gillett, Harrison, assignor of one-half interest to W. B. Lutz, Lake City, Minn. Fire-box attachment for farm-engines | Dec. 2, 1879 | 175 | 46 | 16 | 1032 |
| | Gillett, Jerome D. (*See* Gillett, Benjamin W., assignor.) | | | | | |
| 213, 283 | Gillett, Webster, Ypsilanti, Mich. Speaking-telephone | Mar. 18, 1879 | 617 | 173 | 15 | 392 |
| 214, 248 | Same.....Resistance for adapting common lines to telephone transmission | Apr. 15, 1879 | 621 | 175 | 15 | 568 |
| 212, 550 | Gillette, George H., New York, assignor of one-half interest to W. H. Stewart, Brooklyn, N. Y. Bung for barrels | Feb. 25, 1879 | 877 | 242 | 15 | 253 |
| 218, 871 | Gillette, George H., assignor, by mesne assignments, to C. G. Singer, New York, N. Y. Bung-bush inserter and expander | Aug. 26, 1879 | 914 | 255 | 16 | 373 |
| 222, 269 | Gillette, King C., Brooklyn, assignor to J. C. De La Vergne, New York, N. Y. Wooden bushing | Dec. 2, 1879 | 174 | 45 | 16 | 1032 |
| 220, 602 | Gillette, Mott G., New York, assignor to I. G. and E. M. Johnson, Spuyten Duyvil, N. Y. Tap-valve for barrels | Oct. 14, 1879 | 458 | 119 | 16 | 704 |
| 216, 393 | Gilliam, Algernon, Pittsburg, Pa. Harness-saddle | June 10, 1879 | 442 | 126 | 15 | 948 |
| 215, 449 | Gillig, John, Virginia City, Nev. Lantern | May 20, 1879 | 557 | 164 | 15 | 787 |
| | Gilliland, Henry E. (*See* Estabrook, Wilhelm, Wisner & Gilliland.) | | | | | |
| 212, 210 | Gilliland, James F., assignor of two-thirds interest to J. C. Kenney and W. T. Gilliland, Chicago, Ill. Window-sash bolt | Feb. 11, 1879 | 452 | 124 | 15 | 186 |
| 222, 583 | Gilliland, Samuel B., and E. Wayland, assignors to J. E. Kirk, H. H. Wayland, and A. W. Terrill, Salisbury, Mo. Hay pitcher and stacker | Dec. 16, 1879 | 551 | 157 | 16 | 1104 |
| | Gilliland, William T., *et al.* (*See* Gilliland, James F., assignor.) | | | | | |
| 212, 683 | Gillin, Robert F., Brooklyn, assignor of one-half interest to P. Dillon, New York, N. Y. Printer's quoin | Feb. 25, 1879 | 1012 | 281 | 15 | 272 |
| 221, 228 | Gillingham, Henry R., Baltimore, Md. Lock-stopper for demijohns and bottles | Nov. 4, 1879 | 96 | 25 | 16 | 825 |
| 216, 788 | Gillinn, Adam, Dansville, assignor to Burch & Curtis, Canandaigua, N. Y. Harvester-mitt | June 24, 1879 | 901 | 256, 257 | 15 | 1027 |
| 221, 049 | Gillitzer, Adalbert, Fünfkirchen, Austro-Hungarian Empire. Steam-boiler | Oct. 28, 1879 | 996 | 264 | 16 | 792 |
| 216, 610 | Gillotte, John A., New York, N. Y. Dummy-figure | June 17, 1879 | 689 | 197 | 15 | 990 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216, 034 | Gilman, Andrew E., Des Moines, Iowa. Weather-strip for doors | June 3, 1879 | 32 | 9 | 15 | 889 |
| 212, 922 | Gilman, Edward L., Somerville, Mass. Printing-press | Mar. 4, 1879 | 180 | 49 | 15 | 319 |
| 212, 597 | Gilman, Jonathan W. C., Malden, Mass. Copy-book | Feb. 25, 1879 | 931 | 257 | 15 | 261 |
| 214, 291 | Same.....Copy-book cover | Apr. 15, 1879 | 670 | 187, 188 | 15 | 575 |
| 215, 219 | Same.....same | May 13, 1879 | 288 | 84 | 15 | 742 |
| 222, 349 | Same.....Copy-book | Dec. 9, 1879 | 267 | 74 | 16 | 1055 |
| 222, 350 | Same.....same | Dec. 9, 1879 | 270 | 74 | 16 | 1056 |
| 215, 450 | Gilman, Samuel H., New Orleans, La. Apparatus for ejecting bales from presses | May 20, 1879 | 558 | 164 | 15 | 787 |
| 215, 451 | Same.....Machine for tightening and tying bale-bands | May 20, 1879 | 559 | 165 | 15 | 787 |
| 216, 844 | Same.....Band tightening and tying apparatus | June 24, 1879 | 965 | 275 | 15 | 1035 |
| 215, 910 | Gilman, William, Chicago, Ill. Electric lamp | May 27, 1879 | 1081 | 314 | 15 | 863 |
| | Gilman, William M. (*See* Flesher & Gilman.) | | | | | |
| | Gilmanton Mills. (*See* Dexter, Thomas B., assignor.) | | | | | |
| 215, 735 | Gilmer, Joseph, Albany, Ga. Hoe | May 27, 1879 | 883 | 258 | 15 | 838 |
| 220, 135 | Gilmer, William P., Mount Airy, N. C. Tobacco-box clamp | Sept. 30, 1879 | 1250 | 344 | 16 | 611 |
| 223, 039 | Gillmon, Richmond, Killingly, Conn. Beater for cotton-openers | Dec. 30, 1879 | 1080 | 308 | 16 | 1200 |
| 212, 211 | Gilmore, Edward T., Westborough, Mass. Spring bed-bottom | Feb. 11, 1879 | 452 | 124 | 15 | 186 |
| 222, 268 | Gilmore, Louis C., Sherman, Tex. Stone-dressing tool | Dec. 2, 1879 | 173 | 45 | 16 | 1032 |
| 212, 371 | Gilmore, Othniel, Boston, Mass. Sand-paper roll | Feb. 18, 1879 | 638 | 179 | 15 | 213 |
| 212, 372 | Same.....Machine for burnishing and polishing the soles of boots and shoes | Feb. 18, 1879 | 639 | 179 | 15 | 214 |
| 221, 050 | Gilmore, Othniel, Boston, Mass. Leather-skiving machine | Oct. 28, 1879 | 998 | 264, 265 | 16 | 792 |
| 217, 090 | Gilreath, John W. F., Cassville, Ga. Guano-distributer and seed-planter | July 1, 1879 | 188 | 54 | 16 | 26 |
| 212, 457 | Girbardt, Leonhard, New York, N. Y. Umbrella | Feb. 18, 1879 | 749 | 206 | 15 | 229 |
| 8, 602 | Girbardt, Leonhard, New York, N. Y., assignor to A. Schwarz & Brother. Cap. (Reissue) | Feb. 25, 1879 | 1132 | 314 | 15 | 288 |
| | Gist, George W., *et al.* (*See* Morrison, James W., assignor.) | | | | | |
| 212, 598 | Githens, George M., Brooklyn, N. Y. Rock-drill | Feb. 25, 1879 | 932 | 257 | 15 | 261 |
| 213, 187 | Gladfelter, Frank T., West Canaan, Ohio. Gate | Mar. 11, 1879 | 501 | 139 | 15 | 369 |
| | Glahn, George A. (*See* Potter & Glahn.) | | | | | |
| 220, 020 | Glanding, Thomas, Baltimore, Md. Trunk | Sept. 30, 1879 | 1109 | 307 | 16 | 592 |
| 216, 322 | Glanville, Charles M. R., Baltimore, Md. Trimming attachment for sewing-machines | June 10, 1879 | 357 | 103 | 15 | 937 |
| 215, 911 | Glascock, Frank R., Hillsborough, Ohio. Sash-fastener | May 27, 1879 | 1082 | 314 | 15 | 863 |
| 216, 085 | Glastaeter, James, Rutherford Park, N. J. Receptacle for printers' rollers | June 3, 1879 | 86 | 25 | 15 | 896 |
| 213, 560 | Gleason, Alexander, assignor of one-half interest to E. R. Wood and H. R. Weeks, Greenville, Mich. Grain-meter | Mar. 25, 1879 | 908 | 260 | 15 | 438 |
| 215, 736 | Gleason, Alexander, Greenville, Mich. Bag-fastener | May 27, 1879 | 884 | 258 | 15 | 838 |
| 212, 458 | Gleason, Dexter, Gardiner, Me. Canopy-top for carriages | Feb. 18, 1879 | 750 | 207 | 15 | 229 |
| 215, 601 | Gleason, Dexter, Gardiner, assignor to self and L. J. Brown, Fitchburg, Mass. Child's chair and carriage | May 20, 1879 | 732 | 214 | 15 | 810 |
| | Gleason, Eugene C. (*See* Park & Gleason.) | | | | | |
| 213, 329 | Gleason, Franklin A., Brooklyn, N. Y. Miter-dovetailing machine | Mar. 18, 1879 | 665 | 187 | 15 | 399 |
| 213, 746 | Gledhill, William W., New York, N. Y. Clothes-line support | Apr. 1, 1879 | 19 | 6 | 15 | 475 |
| 218, 013 | Gleichman, John M., Stuart, Iowa. Animal-trap | July 29, 1879 | 1242 | 355 | 16 | 200 |
| 221, 960 | Gleim, George, Yreka, Cal. Truss | Nov. 25, 1879 | 978 | 274 | 16 | 973 |
| 220, 603 | Glendillen, Elijah, Owen Sound, Ontario, Canada. Dog-power | Oct. 14, 1879 | 459 | 119 | 16 | 704 |
| 220, 604 | Same.....Fire-engine | Oct. 14, 1879 | 460 | 120 | 16 | 704 |
| 216, 845 | Glennon, Thomas G., assignor of one-half interest to C. A. Foote, Delhi, N. Y. Harness-strap | June 24, 1879 | 967 | 275 | 15 | 1035 |
| | Glezen, James H. (*See* Seamans & Glezen.) | | | | | |
| 211, 147 | Glidden, Charles W., Lynn, Mass. Lasting-machine for boots and shoes | Jan. 7, 1879 | 74 | 23, 24 | 15 | 10 |
| 211, 148 | Same.....same | Jan. 7, 1879 | 77 | 24 | 15 | 10 |
| 211, 506 | Same.....Lasting-machine | Jan. 21, 1879 | 504 | 142, 143 | 15 | 68 |
| 8, 557 | Same.....same.....(Reissue) | Jan. 28, 1879 | 898 | 252, 253 | 15 | 122 |
| 217, 865 | Same.....same | July 29, 1879 | 1078 | 310 | 16 | 179 |
| 217, 866 | Same.....Heel-trimming machine | July 29, 1879 | 1080 | 310, 311 | 16 | 179 |
| 217, 867 | Same.....same | July 29, 1879 | 1082 | 311 | 16 | 179 |
| 221, 676 | Same.....same | Nov. 18, 1879 | 623 | 175 | 16 | 916 |
| 218, 621 | Glismann, Claus, Cuba, N. Y. Barrel cleanser and washer | Aug. 19, 1879 | 611 | 172 | 16 | 322 |
| | Globe Nail Company. (*See* Miner & Bevelander, assignors.) | | | | | |
| 214, 818 | Glover, Charles, Hartford, Conn. Screw-machine chuck | Apr. 29, 1879 | 1298 | 363 | 15 | 670 |
| 220, 281 | Glover, Charles J., Brooklyn, N. Y. Boxing-glove | Oct. 7, 1879 | 77 | 21 | 16 | 645 |
| | Glover & Cushman. (*See* Comstock, Harry, assignor.) | | | | | |
| 222, 033 | Glover, Eli S., Portland, Oreg. Book | Nov. 25, 1879 | 1051 | 294 | 16 | 982 |
| 212, 923 | Glover, Robert, assignor to N. Harwood, Leominster, and J. A. Harwood, Littleton, Mass. Machine for shaping counter or heel stiffeners for boots and shoes | Mar. 4, 1879 | 181 | 50 | 15 | 319 |
| | Gluth, Conrad, *et al.* (*See* Helmer, Nicolas, assignor.) | | | | | |
| 222, 486 | Göbbels, Joseph, Saint John's Asylum, Ky. Machine for twisting wires | Dec. 9, 1879 | 427 | 122 | 16 | 1077 |
| 217, 527 | Goddard, Amos D., and G. S. Burrows, Fond du Lac, Wis. Joint and rail for carriage-tops | July 15, 1879 | 677 | 193 | 16 | 111 |
| | Goddard, Charles T. (*See* Miller, Henry J., assignor.) | | | | | |
| 211, 149 | Goddard, George B., Brockton, Mass. Mallet | Jan. 7, 1879 | 80 | 25 | 15 | 11 |
| | Goddard, Matthew. (*See* Woodruff, James E., assignor.) | | | | | |
| 215, 116 | Goddu, Louis, Winchester, assignor to G. McKay and J. W. Brooks, trustees, Boston, Mass. Nailing-machine for boots and shoes | May 6, 1879 | 157 | 45 | 15 | 721 |
| 215, 117 | Same.....Nailing-machine | May 6, 1879 | 159 | 45, 46 | 15 | 721 |
| 216, 789 | Same.....Machine for making shoe-tack wire | June 24, 1879 | 902 | 257 | 15 | 1027 |
| 216, 790 | Goddu, Louis, Winchester, Mass. Nailing-machine | June 24, 1879 | 904 | 258 | 15 | 1028 |
| 217, 868 | Goddu, Louis, Winchester, assignor to G. McKay and J. W. Brooks, trustees, Boston, Mass. Nailing-machine | July 29, 1879 | 1083 | 311, 312 | 16 | 179 |
| 212, 797 | Godfrey, Alfred, Brooklyn, N. Y. Printing-press | Mar. 4, 1879 | 19 | 6, 7 | 15 | 299 |
| 219, 459 | Godfrey, Alfred, Philadelphia, Pa. Bottle-stopper | Sept. 9, 1879 | 468 | 130 | 16 | 479 |
| 220, 232 | Godfrey, George L., Chelsea, and G. B. Haskell, Boston, Mass. Convertible bed and chair | Oct. 7, 1879 | 27 | 8 | 16 | 638 |
| 213, 330 | Godfrey, Samuel, and R. Howson, Middlesborough-on-Tees, assignors to H. A. Gadsden, London, England. Revolving puddling gas-furnace | Mar. 18, 1879 | 667 | 188 | 15 | 399 |
| | Godfrey, William S. (*See* Allen, Silas J., assignor.) | | | | | |
| | Godley, George F., *et al.* (*See* Cline, John C., assignor.) | | | | | |
| 218, 254 | Godley, George F., Philadelphia, Pa. Car-wheel | Aug. 5, 1879 | 167 | 45 | 16 | 243 |
| 223, 130 | Same.....Draw-bar for railway-cars | Dec. 30, 1879 | 1189 | 337 | 16 | 1214 |
| 222, 819 | Goebring, Charles L., Allegheny, Pa. Thill-coupling | Dec. 23, 1879 | 826 | 237 | 16 | 1153 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Goeller, George A. (*See* Young & Goeller.) | | | | | |
| 8,725 | Goff, Darius and D. L., assignors to D. Goff & Sons, Pawtucket, R. I. Clasp for braid-packages ..... (Reissue) | May 27, 1879 | 1177 | 342 | 15 | 876 |
| | Goff, Darius L. (*See* Goff, Darius and D. L.) ..... (Reissue.) | | | | | |
| | Goff & Sons, D. (*See* Goff, Darius and D. L., assignors) ..... (Reissue.) | | | | | |
| | Gohmann, Frank H. (*See* Terstegge & Gohmann.) | | | | | |
| | Gohmann, Romanus H. (*See* Terstegge & Gohmann.) | | | | | |
| 223,040 | Gohr, John, and E. Richards, Salamanca, N. Y. Flue-cleaner | Dec. 30, 1879 | 1081 | 308 | 16 | 1200 |
| 212,212 | Gokey, Frank F., Winooski, Vt. Device for cutting and screw-threading wagon-axles. | Feb. 11, 1879 | 453 | 125 | 15 | 186 |
| | Gold Medal Sewing Machine Company. (*See* Elliott, William T., assignor.) | | | | | |
| | Same ..... (*See* Thomas, Eddy T., assignor.) | | | | | |
| 213,411 | Gold, Stephen J., Cornwall, Conn. Boiler | Mar. 18, 1879 | 746 | 209 | 15 | 410 |
| 220,605 | Goldberg, Marcus, New York, N. Y. Ornamental hat-band | Oct. 14, 1879 | 461 | 120 | 16 | 705 |
| | Goldberg, Sigmund. (*See* Brument & Goldberg.) | | | | | |
| 220,282 | Golden, Warren N., Coldwater, Mich. Feed-steamer | Oct. 7, 1879 | 78 | 21 | 16 | 645 |
| 221,297 | Goldenberg, Hermann, Wiesbaden, Germany. Manufacture of tartaric acid | Nov. 4, 1879 | 172 | ..... | 16 | 836 |
| 213,103 | Goldie, William, Fentonville, Mich. Machine for cutting shingles | Mar. 11, 1879 | 406 | 113 | 15 | 357 |
| 219,086 | Same ..... Shingle-cutting machine | Sept. 2, 1879 | 35 | 11 | 16 | 417 |
| 221,548 | Golding, Moses, Trenton, N. J. Pulverizing apparatus | Nov. 11, 1879 | 482 | 132 | 16 | 887 |
| | Golding, W. H., *et al.* (*See* Marshall & Sparrell, assignors.) | | | | | |
| 221,961 | Goldmann, Benno, San Francisco, Cal., assignor of three-fourths interest to C. Wacher, H. Schünemann, and H. Lewis. Vacuum-engine | Nov. 25, 1879 | 979 | 274 | 16 | 973 |
| 222,690 | Goldschmidt, Samuel, Berlin, Prussia, Germany. Surgical bandage | Dec. 16, 1879 | 679 | 195 | 16 | 1122 |
| 211,655 | Goldsmith, Ferdinand, Saginaw, Mich. Coffee-roaster | Jan. 28, 1879 | 695 | 195 | 15 | 95 |
| | Goldsmith, George E. (*See* Jewell, George S., assignor.) | | | | | |
| 217,937 | Goldsmith, Gustavus A., New York, N. Y. Collar | July 29, 1879 | 1159 | 332 | 16 | 190 |
| 218,014 | Goldsmith, Rienza A., Washingtonville, N. Y. Thill-coupling | July 29, 1879 | 1243 | 356 | 16 | 200 |
| 221,051 | Goldsmith, Rosa H., Charleston, S. C. Bale-tie | Oct. 28, 1879 | 999 | 265 | 16 | 792 |
| 218,015 | Goldsmith, Simon, Boston, Mass. Automatic clock attachment for operating gas-burners | July 29, 1879 | 1244 | 356 | 16 | 200 |
| 222,584 | Goldstein, Jacob H., San Francisco, Cal. Stocking-suspender buckle | Dec. 16, 1879 | 552 | 157 | 16 | 1104 |
| | Goldtrap, Samuel K. (*See* Anderson, David H., assignor.) | | | | | |
| 220,527 | Goll, John H., and A. Spinner, San Francisco, Cal. Yeast-compound | Oct. 14, 1879 | 362 | ..... | 16 | 692 |
| 212,684 | Gollipher, Espy, Schellsburg, Pa. Vehicle-axle lubricator | Feb. 25, 1879 | 1013 | 281 | 15 | 272 |
| 220,233 | Gontard, Pauline H., Cortélert, Switzerland. Stem-winding watch | Oct. 7, 1879 | 28 | 8 | 16 | 639 |
| 212,685 | Gooch, Amos M., Farmington, W. Va. Combined corn-planter and fertilizer-distributer | Feb. 25, 1879 | 1014 | 281 | 15 | 272 |
| 8,568 | Goodale, E. W., assignor, by mesne assignments, to Union Paper Bag Machine Company, Philadelphia, Pa. Paper-bag machine ..... (Reissue) | Feb. 4, 1879 | 301 | 82 | 15 | 163 |
| 217,277 | Goodall, Thomas, Sandford, Me. Lap or carriage robe | July 8, 1879 | 398 | 117 | 16 | 63 |
| | Goodell, Albert D. (*See* Rogers & Goodell.) | | | | | |
| 222,820 | Goodell, Albert D., Erving, Mass. Machine for recutting wagon-axles | Dec. 23, 1879 | 827 | 237 | 16 | 1153 |
| 214,903 | Goodell, Dexter W., assignor to Florence Machine Company, Florence, Mass. Sewing-machine | Apr. 29, 1879 | 1388 | 386 | 15 | 682 |
| 218,872 | Goodes, Ebenezer A., assignor to Wells & Hope Company, Philadelphia, Pa. Sign | Aug. 26, 1879 | 915 | 256 | 16 | 373 |
| 211,091 | Goodfellow, Thomas G., Chicago, Ill. Oil-stove | Jan. 7, 1879 | 14 | 5 | 15 | 2 |
| 221,052 | Same ..... Lamp | Oct. 28, 1879 | 1000 | 265 | 16 | 792 |
| 215,912 | Goodhart, Alexander, Carlisle, Pa. Ore pulverizer and separator | May 27, 1879 | 1083 | 314 | 15 | 863 |
| 221,455 | Goodin, William L., Cincinnati, Ohio. Meat-preserving apparatus | Nov. 11, 1879 | 365 | 100 | 16 | 872 |
| 222,585 | Goodman, Benedict, Auburn, Ind. Pail | Dec. 16, 1879 | 553 | 157 | 16 | 1104 |
| 212,213 | Goodman, Henry, assignor of one-half interest to H. S. Brown and F. F. Hilder, Saint Louis, Mo. Ball-target thrower | Feb. 11, 1879 | 454 | 125 | 15 | 186 |
| 212,459 | Goodman, Henry, assignor of one-half interest to D. P. Kane, Saint Louis, Mo. Breech-loading fire-arm | Feb. 18, 1879 | 751 | 207 | 15 | 229 |
| 219,354 | Goodman, Peter A., and F. L. Wilcox, Menomonee, Wis. Lock for wagon-hounds | Sept. 9, 1879 | 349 | 99 | 16 | 464 |
| | Goodrich, Elijah D., *et al.* (*See* Fallows, James, assignor) ..... (Reissue.) | | | | | |
| | Goodrich, Harry C. (*See* Barnum, Russel S., assignor) ..... (Reissue.) | | | | | |
| 218,813 | Goodwillie, David, Chicago, Ill. Egg-carrier | Aug. 26, 1879 | 842 | 236 | 16 | 364 |
| 216,035 | Goodwin, Hiland W., Ionia City, Mich. Farm-gate | June 3, 1879 | 33 | 9 | 15 | 889 |
| 212,846 | Goodwin, Oliver H., San Francisco, Cal. Music-leaf turner | Mar. 4, 1879 | 73 | 22 | 15 | 307 |
| 213,892 | Goodwin, Simeon A., and J. O. Joyce, Dayton, Ohio. Feed-water heater | Apr. 1, 1879 | 176 | 51 | 15 | 495 |
| 214,645 | Goodwin, William F., and E. F. Roberts, New Brunswick, N. J. Mechanism for converting reciprocating into rotary motion | Apr. 22, 1879 | 1089 | 305 | 15 | 636 |
| 215,913 | Goodwin, William W., Creston, Iowa. Corn-planter | May 27, 1879 | 1084 | 315 | 15 | 863 |
| 219,714 | Goodwyn, George W., assignor of one-half interest to R. Bagby, Petersburg, Va. Nut-lock | Sept. 16, 1879 | 755 | 209 | 16 | 526 |
| 222,893 | Goodwyn, George W., assignor of one-half interest to P. Davie, Petersburg, Va. Cultivator and cultivator-tooth | Dec. 23, 1879 | 910 | 262 | 16 | 1166 |
| 213,188 | Goodyear, Andrew, Albion, Mich. Plow | Mar. 11, 1879 | 502 | 139 | 15 | 369 |
| 218,517 | Goodyear, Andrew, Albion, assignor to W. S. Lawrence, Kalamazoo, Mich. Plow | Aug. 12, 1879 | 479 | 134 | 16 | 295 |
| 222,894 | Goodyear, Andrew, Springport, Mich. Plow | Dec. 23, 1879 | 913 | 263 | 16 | 1166 |
| 219,249 | Goodyear, Benjamin, Carlisle, Pa. Linch-pin holder | Sept. 2, 1879 | 224 | 64 | 16 | 440 |
| 219,713 | Same ..... Seed-corn safe | Sept. 16, 1879 | 755 | 209 | 16 | 526 |
| | Goodyear Rubber Curler Company. (*See* Schrader, August, assignor.) | | | | | |
| 213,412 | Goolman, William P., Kansas City, Mo., assignor of one-half interest to G. W. Link. Tire-tightener | Mar. 18, 1879 | 746 | 210 | 15 | 410 |
| 219,460 | Gordon, Alexander, New York, N. Y. Ship's log | Sept. 9, 1879 | 469 | 130 | 16 | 479 |
| 219,636 | Gordon, Charles, Cleveland, Ohio. Car-lamp | Sept. 16, 1879 | 669 | 186 | 16 | 515 |
| 213,104 | Gordon, Edward F., assignor to self and J. A. White, Concord, N. H. Lubricator | Mar. 11, 1879 | 408 | 113 | 15 | 357 |
| 221,804 | Gordon, Edward F., assignor to J. A. White, Concord, N. H. Gage for circular sawing machines | Nov. 18, 1879 | 783 | 218 | 16 | 936 |
| 221,805 | Same ..... Adjustment of planing-machine tables | Nov. 18, 1879 | 784 | 218 | 16 | 937 |
| 216,515 | Gordon, Frederick W., Ironton, Ohio. Steam-valve | June 17, 1879 | 586 | 166 | 15 | 976 |
| 216,174 | Gordon, Horace L., West Garland, Me. Harness-strap-cutting machine | June 3, 1879 | 175 | 52 | 15 | 907 |
| 211,150 | Gordon, James F., Rochester, N. Y. Grain-binder | Jan. 7, 1879 | 81 | 25 | 15 | 11 |
| 219,855 | Gordon, James F., Lowell, Mass. Pressure-wheel for knitting-machines | Sept. 23, 1879 | 920 | 254 | 16 | 558 |
| 213,561 | Gordon, John C., Charlottesville, Va. Bed-bottom | Mar. 25, 1879 | 910 | 260 | 15 | 439 |
| 211,394 | Gordon, Leonard J., assignor to P. Lorillard & Co., Jersey City, N. J. Package of plug-tobacco | Jan. 14, 1879 | 378 | 108 | 15 | 49 |
| 219,250 | Gordon, Russel P., Martinsburg, Ohio. Portable engine | Sept. 2, 1879 | 225 | 65 | 16 | 441 |
| | Gordon, William. (*See* Ryder, Joshua H., assignor) ..... (Reissue.) | | | | | |
| 214,292 | Gordon, William J., Philadelphia, Pa. Machine for heading cans | Apr. 15, 1879 | 671 | 188 | 15 | 575 |
| 222,691 | Same ..... Seaming-machine | Dec. 16, 1879 | 680 | 195, 196 | 16 | 1122 |
| | Gorham, Helen M., executrix. (*See* Gorham, Marquis L.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 218, 377 | Gorham, Marquis L., deceased, H. M. Gorham, Rockford, Ill., executrix. Harvester | Aug. 12, 1879 | 313 | 85, 86 | 16 | 273 |
| 219, 637 | Gorman, Charles S., Irvine, Ayr County, Great Britain. Manufacture of chromates of potash and soda | Sept. 16, 1879 | 671 | ..... | 16 | 515 |
| 223, 131 | Gorman, John J., Philadelphia, Pa. Privy-seat | Dec. 30, 1879 | 1191 | 337 | 16 | 1215 |
| 222, 394 | Gorman, Thomas J., New York, N. Y. Sample-envelope | Dec. 9, 1879 | 314 | 88 | 16 | 1062 |
| 211, 564 | Gorn, Hermann A., Philadelphia, Pa. Feeding device for sewing-machines | Jan. 21, 1879 | 569 | 161, 162 | 15 | 76 |
| 212, 798 | Gornall, Richard, assignor to T. Tansley, jr., Baltimore, Md. Fare-register | Mar. 4, 1879 | 20 | 7, 8 | 15 | 299 |
| 222, 034 | Gornall, Richard, assignor to self and T. Tansley, jr., Baltimore, Md. Pedo-motor | Nov. 25, 1879 | 1052 | 294 | 16 | 982 |
| 214, 249 | Gorrell, Albert, Holmesville, Ohio. Hoisting-jack | Apr. 15, 1879 | 622 | 176 | 15 | 568 |
| 212, 214 | Gorton, Charles, Adrian, Mich. Feed-steamer and generator | Feb. 11, 1879 | 455 | 125 | 15 | 186 |
| 213, 893 | Gorton, Orson S., North Brookfield, N. Y. Vehicle-spring | Apr. 1, 1879 | 177 | 51 | 15 | 495 |
| 218, 518 | Gosorn, George T., Keyser, W. Va. Side-stick and quoin | Aug. 12, 1879 | 480 | 134 | 16 | 296 |
| | Goss, Edward K. (*See* Slee & Goss.) | | | | | |
| 217, 364 | Goss, Francis P., Salem, Mass. Pipe-vise | July 8, 1879 | 491 | 142 | 16 | 75 |
| | Gott, Erastus. (*See* Hadaway & Gott.) | | | | | |
| | Gottheil, Robert. (*See* Pintsch, Schülke & Gottheil.) | | | | | |
| 222, 035 | Gottlieb, Henry, New York, N. Y. Billiard-cue cutter | Nov. 25, 1879 | 1054 | 294 | 16 | 982 |
| 213, 505 | Goubet, Claude D., Paris, France. Universal joint | Mar. 25, 1879 | 844 | 239, 240 | 15 | 431 |
| 218, 519 | Goubert, Auguste A., New York, N. Y., assignor to F. O. Matthiessen & Wiechers Sugar Refining Company, Jersey City, N. J. Apparatus for liquoring block sugar in centrifugal machines | Aug. 12, 1879 | 481 | 134, 135 | 16 | 296 |
| 221, 806 | Same.....Centrifugal liquoring apparatus | Nov. 18, 1879 | 784 | 219 | 16 | 937 |
| 221, 807 | Same.....same | Nov. 18, 1879 | 785 | 219 | 16 | 937 |
| 221, 893 | Same .....Apparatus for liquoring sugar in centrifugal machines | Nov. 18, 1879 | 877 | 245, 246 | 16 | 950 |
| 216, 846 | Gouch, Lyman A., Yonkers, N. Y. Rail tie and joint | June 24, 1879 | 967 | 275 | 15 | 1035 |
| 219, 691 | Gougeul, John B. C., Montmorillon, France. Traveling-crane | Sept. 16, 1879 | 731 | 202, 203 | 16 | 522 |
| 214, 123 | Gough, Benjamin C., Canton, Miss. Magazine fire-arm | Apr. 8, 1879 | 468 | 133 | 15 | 539 |
| 214, 646 | Gough, Dixon, Carrollton, Md. Steam-engine | Apr. 22, 1879 | 1092 | 306 | 15 | 636 |
| 216, 175 | Same..... Propelling device for vessels | June 3, 1879 | 176 | 52 | 15 | 907 |
| 211, 151 | Gould, Arthur C., Boston, Mass. Street-sweeper | Jan. 7, 1879 | 83 | 25 | 15 | 11 |
| 211, 468 | Same.....Drop-light for gas-fixtures | Jan. 21, 1879 | 462 | 131 | 15 | 62 |
| | Gould, Watson & Co. (*See* Watson, Clarence L., assignor.) | | | | | |
| 214, 033 | Gouptel, Elmer, Cleveland, Ohio. Machine for ruling paper | Apr. 8, 1879 | 345 | 99, 100 | 15 | 526 |
| 217, 528 | Gourley, Elwood, Philadelphia, Pa. Scoop | July 15, 1879 | 678 | 193 | 16 | 111 |
| 214, 904 | Goutner, Samuel, York, Pa. Turbine water-wheel | Apr. 29, 1879 | 1389 | 387 | 15 | 682 |
| 218, 255 | Gover, Nathaniel J., Oregon, Md. Vehicle-spring | Aug. 5, 1879 | 168 | 45 | 16 | 243 |
| 217, 365 | Gowan, James H., Carson City, Nev. Machine for grinding car-wheels | July 8, 1879 | 492 | 143 | 16 | 75 |
| 217, 208 | Gower, Frederic A., Paris, France, assignor to self and C. Roosevelt, New York, N. Y. Electric telephone | July 8, 1879 | 324 | 96 | 16 | 53 |
| 217, 278 | Gower, Frederic A., Providence, R. I., assignor to self and C. Roosevelt, New York, N. Y. Pneumatic signal-telephone | July 8, 1879 | 398 | 118 | 16 | 63 |
| 218, 873 | Gower, Frederic A., Paris, France, assignor to self and C. Roosevelt, New York, N. Y. Electric telephone | Aug. 26, 1879 | 915 | 256 | 16 | 374 |
| 220, 826 | Gower, Frederic A., Providence, R. I. Telephone-signal | Oct. 21, 1879 | 720 | 191 | 16 | 746 |
| 218, 256 | Gowland, John, Philipsburg, Pa. Car-wheel | Aug. 5, 1879 | 169 | 45 | 16 | 243 |
| 220, 606 | Goye, Josephine S., Boston, Mass. Doll-supporter | Oct. 14, 1879 | 461 | 120 | 16 | 705 |
| 9, 003 | Same .....same.....(Reissue).. | Dec. 23, 1879 | 1014 | 290 | 16 | 1180 |
| 220, 283 | Grace, Henry S., San Francisco, Cal. Automatic grip for rope-railways | Oct. 7, 1879 | 80 | 22 | 16 | 646 |
| 8, 549 | Grace, Patrick H., Sedalia, Mo. Spark-arrester.....(Reissue).. | Jan. 21, 1879 | 636 | 179 | 15 | 85 |
| 217, 091 | Gracey, William L., Pittsburg, Pa. Chain and rope tightener | July 1, 1879 | 189 | 54 | 16 | 26 |
| 213, 894 | Graetz, Julius E., Rochester, Minn. Reclining-chair | Apr. 1, 1879 | 177 | 52 | 15 | 495 |
| 218, 874 | Graf, Hermann, assignor to A. S. Dolgorouky, St. Petersburg, Russia. Rotary engine.. | Aug. 26, 1879 | 918 | 257, 258 | 16 | 374 |
| 211, 395 | Graf, John, and P. Madlener, Milwaukee, Wis. Tool for forming cork-fasteners | Jan. 14, 1879 | 378 | 108 | 15 | 49 |
| 212, 460 | Graf, Leopold, Newark, N. J. Boot and shoe lasting machine | Feb. 18, 1879 | 752 | 207 | 15 | 229 |
| 213, 189 | Same.....Manufacture of Prussian blue | Mar. 11, 1879 | 502 | ..... | 15 | 369 |
| | Graf, Louis. (*See* Schumacher, Johannes, assignor.) | | | | | |
| 218, 378 | Graff, John, New York, N. Y., assignor to Cornelius & Co., Philadelphia, Pa. Shade-supporter | Aug. 12, 1879 | 316 | 86 | 16 | 273 |
| | Graff, Joseph. (*See* Keeler, Edward L., assignor.) | | | | | |
| 216, 670 | Graff, Justin J., San Francisco, Cal. Button-hole sewing-machine | June 17, 1879 | 748 | 213, 214 | 15 | 998 |
| 222, 036 | Graff, Peter, Chicago, Ill. Combined snow plow and brush | Nov. 25, 1879 | 1054 | 294 | 16 | 983 |
| 222, 185 | Gragg, Samuel N., Way's Station, Ga. Plantation-hoe | Dec. 2, 1879 | 80 | 20 | 16 | 1019 |
| | Graham, Aaron. (*See* Moses, William H., assignor.) | | | | | |
| | Graham, Benjamin. (*See* Potter & Glahn, assignors.) | | | | | |
| 215, 914 | Graham, Cyrenus, Kalkaska, Mich. Hay-rack | May 27, 1879 | 1085 | 315 | 15 | 863 |
| | Graham, Dwight. (*See* Mead & Graham.) | | | | | |
| 217, 529 | Graham, Edmund H., assignor of three-eighths interest to R. W. Randall, Biddeford, Me. Shuttle-operating device for looms | July 15, 1879 | 679 | 193 | 16 | 111 |
| 215, 347 | Graham, George W., Philadelphia, Pa. Glove-tree | May 13, 1879 | 437 | 130 | 15 | 761 |
| | Graham, John C. (*See* McDonald, Laurence J., assignor.) | | | | | |
| | Graham, Robert J. S. (*See* Johnson, Thomas R., assignor.) | | | | | |
| 213, 895 | Graham, Samuel, Freeport, Ill. Car-starter | Apr. 1, 1879 | 178 | 52 | 15 | 495 |
| 222, 692 | Graham, Thomas J., Portersville, Ala. Button for curtains | Dec. 16, 1879 | 682 | 196 | 16 | 1122 |
| 8, 871 | Graham, William H., Saint Louis, Mo. Stop-cock boxing.....(Reissue).. | Aug. 26, 1879 | 1119 | 313 | 16 | 401 |
| 221, 298 | Graham, William W., West Rutland, Vt. Rock-boring machine | Nov. 4, 1879 | 173 | 47 | 16 | 836 |
| 212, 924 | Grahn, Edward G., Indianapolis, Ind. Carriage-curtain fastener | Mar. 4, 1879 | 182 | 50 | 15 | 319 |
| 218, 520 | Gramme, Zénobe T., Paris, France. Magneto-electric machine | Aug. 12, 1879 | 483 | 135 | 16 | 296 |
| | Grane, Herman H., *et al.*, executors. (*See* Dost, Theodore, assignor.) | | | | | |
| 217, 209 | Grange, Edward A. A., Guelph, Ontario, Canada. Balling-iron | July 8, 1879 | 326 | 96 | 16 | 53 |
| 217, 939 | Granger, Lorenzo O., Newark, Ohio. Paper box | July 29, 1879 | 1161 | 333 | 16 | 190 |
| 218, 521 | Grannis, Charles M., assignor of one-half interest to J. A. Gaul, Morrisville, N. Y. Steam-generator | Aug. 12, 1879 | 484 | 135 | 16 | 296 |
| 218, 379 | Granniss, James E., New York, N. Y., and L. W. Tracy, Philadelphia, Pa. Lead-shot-grading machine | Aug. 12, 1879 | 316 | 86 | 16 | 273 |
| 218, 380 | Same.....Machine for screening shot | Aug. 12, 1879 | 318 | 87 | 16 | 274 |
| | Grant, David B., trustee, *et al.* (*See* Thomas, William W., assignor.) | | | | | |
| | Grant, Douglas S., *et al.* (*See* Thomas, William W., assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'gs | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 221, 550 | Grant, George H., assignor of one-half interest to A. W. Hempleman, Richmond, Ind. Map-cabinet | Nov. 11, 1879 | 485 | 133 | 16 | 888 |
| 217, 210 | Grant, Henry M., New Providence, N. J. Type-writing machine | July 8, 1879 | 327 | 96, 97, 98 | 16 | 53 |
| 213, 897 | Grant, James A., and T. M. McClellan, Mount Pleasant, Iowa. Ditching-machine | Apr. 1, 1879 | 180 | 52 | 15 | 496 |
| 216, 847 | Grant, John, New Orleans, La. Dredging apparatus | June 24, 1879 | 968 | 276 | 15 | 1035 |
| 218, 896 | Grant, Jott, Boston, Mass. Filter | Apr. 1, 1879 | 179 | 52 | 15 | 495 |
| 213, 506 | Grant, Lewis C., Mesopotamia, Ohio. Fence-post | Mar. 25, 1879 | 846 | 240 | 15 | 431 |
| 219, 395 | Grant, Lorenzo D., Lansingburg, N. Y. Metallic brush | Sept. 9, 1879 | 399 | 111 | 16 | 471 |
| 217, 277 | Grant, Nathaniel, Providence, R. I. Jewelry | July 8, 1879 | 400 | 118 | 16 | 63 |
| | Grant, Thomas. (*See* Faulkner, Alexander, assignor.) | | | | | |
| 216, 394 | Grape, Lewis, Canajoharie, N. Y. Rein-holder for vehicles | June 10, 1879 | 443 | 126 | 15 | 948 |
| | Grass, Andrew P. W., *et al.* (*See* Daul, John, assignor.) | | | | | |
| 218, 258 | Grassler, William F., Muncy, Pa., assignor of three-eighths interest to A. S. Brown, New York, N. Y. Spark-arrester for locomotives | Aug. 5, 1879 | 171 | 46 | 16 | 243 |
| 211, 989 | Gratian, Joseph, Alton, Ill. Pipe-organ | Feb. 4, 1879 | 190 | 53, 54 | 15 | 151 |
| 220, 021 | Gratz, Anderson, and L. F. Jones, Saint Louis, Mo. Bale-tie | Sept. 30, 1879 | 1110 | 307 | 16 | 592 |
| 219, 576 | Graves, Albert M., Chicago, Ill. Temporary binder | Sept. 16, 1879 | 595 | 166 | 16 | 504 |
| 214, 772 | Graves, George W., assignor of one-half interest to P. and W. B. Hayden and C. H. Allen, Chicago, Ill. Harness-saddle tree | Apr. 29, 1879 | 1243 | 348 | 15 | 663 |
| 215, 602 | Graves, Henry L., Summit, N. J. Shovel | May 20, 1879 | 734 | 214 | 15 | 810 |
| 211, 298 | Graves, John, New York, N. Y. Basin-faucet | Jan. 14, 1879 | 260 | 76 | 15 | 34 |
| 211, 469 | Graves, John, and A. W. Partrick, New York, N. Y. Swinging demijohn | Jan. 21, 1879 | 464 | 131 | 15 | 62 |
| 211, 656 | Same.....Toilet work-box and writing-desk | Jan. 28, 1879 | 697 | 195 | 15 | 96 |
| 217, 938 | Graves, John, assignor to United States Stamping Company, New York, N. Y. Frying-pan | July 29, 1879 | 1160 | 332 | 16 | 190 |
| 219, 715 | Graves, John D., Wichita, Kans. Windmill | Sept. 16, 1879 | 756 | 209 | 16 | 526 |
| 215, 454 | Graves, John H., and H. H. Babcock, Rochester, N. Y. Oil-stove | May 20, 1879 | 567 | 166 | 15 | 788 |
| 215, 453 | Graves, Joseph S., Ionia, Mich. Vehicle-spring | May 20, 1879 | 566 | 166 | 15 | 788 |
| 221, 053 | Graves, Reuben, Hope Town (Lostant Post-Office), La Salle County, Ill. Jointer for plows | Oct. 28, 1879 | 1001 | 265 | 16 | 792 |
| 222, 487 | Graves, Timothy H., Alexandria, Ohio. Shifting-rail for vehicles | Dec. 9, 1879 | 428 | 122 | 16 | 1077 |
| 220, 754 | Gray, Adelbert W., Cardington, Ohio. Non-interfering fire-alarm-telegraph box | Oct. 21, 1879 | 635 | 169 | 16 | 736 |
| 220, 755 | Same.....Non-interfering signal-box | Oct. 21, 1879 | 636 | 170 | 16 | 736 |
| 221, 229 | Same.....Fire-alarm-telegraph repeater | Nov. 4, 1879 | 97 | 25, 26 | 16 | 825 |
| 8, 558 | Gray, Elisha, Chicago, Ill., assignor, by mesne assignments, to Harmonic Telegraph Company, New York, N. Y. Transmitting musical impressions or sounds telegraphically.....(Reissue) | Jan. 28, 1879 | 901 | 254 | 15 | 123 |
| 8, 559 | Same.....Apparatus for transmitting musical impressions or sounds telegraphically.....(Reissue) | Jan. 28, 1879 | 902 | 254 | 15 | 123 |
| 212, 373 | Gray, Elisha, Chicago, Ill. Speaking-telephone apparatus | Feb. 18, 1879 | 641 | 180 | 15 | 214 |
| 8, 869 | Gray, Elisha, Chicago, Ill., assignor, by mesne assignments, to Harmonic Telegraph Company, New York, N. Y. Electro-harmonic telegraph. (Reissue) | Aug. 26, 1879 | 1114 | 313 | 16 | 401 |
| 8, 870 | Same.....Electro-harmonic telegraph.....(Reissue) | Aug. 26, 1879 | 1117 | 313 | 16 | 401 |
| 221, 406 | Gray, Elisha, Chicago, Ill. Apparatus for operating speaking-telephones | Nov. 11, 1879 | 313 | 86 | 16 | 864 |
| 219, 461 | Gray, George, New York, N. Y. Hat, bonnet, and other head-covering | Sept. 9, 1879 | 470 | 130 | 16 | 480 |
| 211, 152 | Gray, George A., jr., Covington, Ky. Safety attachment for elevators | Jan. 7, 1879 | 84 | 26 | 15 | 11 |
| 218, 171 | Same.....Steam-engine | Aug. 5, 1879 | 75 | 20 | 16 | 230 |
| | Gray, George S. (*See* Smith, Morris H., assignor).....(Reissue.) | | | | | |
| 218, 730 | Gray, James H., Connellsville, Pa. Compressed-air locomotive | Aug. 19, 1879 | 731 | 205 | 16 | 338 |
| 218, 731 | Same.....Direct-acting pump | Aug. 19, 1879 | 722 | 206 | 16 | 338 |
| 222, 037 | Gray, John C., Providence, R. I. Machine for making carpet-linings and similar fabrics | Nov. 25, 1879 | 1055 | 295 | 16 | 983 |
| 212, 215 | Gray, Lawrence N. B., assignor, by mesne assignments, of one-half interest to D. Scudder, jr., Boston, Mass. Spool-case | Feb. 11, 1879 | 456 | 125 | 15 | 186 |
| 214, 503 | Gray, Richard, assignor of one-half interest to J. Dunn, Bloomington, Ill. Device for converting motion | Apr. 22, 1879 | 925 | 261 | 15 | 616 |
| 219, 462 | Gray, Robert, New York, N. Y. Head-covering | Sept. 9, 1879 | 471 | 131 | 16 | 480 |
| 218, 257 | Gray, Robert W., Dedham, assignor of one-half interest to G. Frost, G. H. Phelps, and G. A. Frost, Boston, Mass. Corset | Aug. 5, 1879 | 170 | 46 | 16 | 243 |
| 221, 299 | Gray, William, Beardstown, Ill. Nut-lock | Nov. 4, 1879 | 175 | 47 | 16 | 836 |
| | Gray, William C. (*See* Bullock, James W., assignor.) | | | | | |
| 222, 895 | Gray, William D., Milwaukee, Wis. Roller grinding-mill | Dec. 23, 1879 | 914 | 263 | 16 | 1166 |
| | Gray, William M. (*See* Thompson & Gray.) | | | | | |
| 221, 054 | Gray, William S., Leominster, Mass. Bed-spring | Oct. 28, 1879 | 1001 | 266 | 16 | 793 |
| | Gray, William T. (*See* Woodbury & Gray.) | | | | | |
| 220, 136 | Graybill, Jacob, Massillon, assignor of one-half interest to J. S. Graybill, Cadiz, Ohio. Pen, pencil, and ink case | Sept. 30, 1879 | 1251 | 344 | 16 | 611 |
| | Graybill, John S. (*See* Graybill, Jacob, assignor.) | | | | | |
| 212, 374 | Graydon, James W., Washington, D. C., assignor to Graydon Safety Railroad Car Heating Company. Coupling for railway-car heating-pipes | Feb. 18, 1879 | 642 | 180 | 15 | 214 |
| 212, 375 | Same.....Railway-car heating apparatus | Feb. 18, 1879 | 643 | 180 | 15 | 214 |
| 212, 376 | Same.....Coupling for pipes of railway-car heaters | Feb. 18, 1879 | 614 | 180 | 15 | 214 |
| | Graydon Safety Railroad Car Heating Company. (*See* Graydon, James W., assignor.) | | | | | |
| 211, 913 | Grayson, Henry C., Centreville, R. I. Drawing-frame | Feb. 4, 1879 | 91 | 26 | 15 | 137 |
| 214, 124 | Same.....Stop-motion for spinning-machines | Apr 8, 1879 | 469 | 133, 134 | 15 | 539 |
| 214, 647 | Same.....Stop-motion for drawing-frames | Apr. 22, 1879 | 1093 | 306 | 15 | 636 |
| | Grayson, William. (*See* Quigley & Grayson.) | | | | | |
| | Greaney, Michael. (*See* Cook, Alfred S., assignor.) | | | | | |
| 215, 603 | Greathead, James H., Westminster, and M. D. Martindale, Anerly, England. Hydrant or stand-pipe | May 20, 1879 | 734 | 214 | 15 | 810 |
| 217, 609 | Grebe, Henry, Omaha, Nebr. Hay-gatherer | July 15, 1879 | 771 | 219 | 16 | 122 |
| 8, 594 | Grebner, Michael, Hoboken, N. J., assignor to Meyer & Neubauer, New York, N. Y. Wire cage.....(Reissue) | Feb. 25, 1879 | 1121 | 312 | 15 | 286 |
| 212, 216 | Greely, Benjamin J., Boston, Mass. Safety-pin | Feb. 11, 1879 | 456 | 126 | 15 | 187 |
| 211, 396 | Greely, Lewis A., Elmira, Ohio. Hay-conveyer | Jan. 14, 1879 | 379 | 108 | 15 | 49 |
| 222, 896 | Green, Ansel T., Minneapolis, Minn. Belt-stretcher | Dec. 23, 1879 | 916 | 263 | 16 | 1167 |
| | Green, Charles. (*See* Wilson, William, jr., assignor.) | | | | | |
| 213, 985 | Green, Charles, Rochester, N. Y. Cartridge-loading implement | Apr. 8, 1879 | 287 | 83 | 15 | 518 |
| 217, 211 | Green, Charles, and W. Wilson, jr., Wilmington, Del. Metallic can | July 8, 1879 | 330 | 98 | 16 | 54 |
| 220, 022 | Same.....Sheet-metal can | Sept. 30, 1879 | 1110 | 307 | 16 | 592 |
| 220, 827 | Green, Charles C., Cristfield, Md. Dredge-winder | Oct. 21, 1879 | 722 | 191 | 16 | 746 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. D'rg. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 219, 252 | Green, Charles W., assignor to L. E. Green, Chicago, Ill., and L. S. Trowbridge, Detroit, Mich. Velocipede | Sept. 2, 1879 | 227 | 65 | 16 | 441 |
| 211, 844 | Green, David A. and W. P., and J. H. Roberts, Rushville, Ind.; said W. P. Green assignor to said David A. Green and J. H. Roberts. Wardrobe-bedstead | Feb. 4, 1879 | 21 | 7 | 15 | 129 |
| 221, 726 | Green, David C., Brooklyn, N. Y. Air-injector nozzle | Nov. 18, 1879 | 683 | 191 | 16 | 924 |
| 222, 038 | Green, Henry C., Bascobel, Ga. Cotton and hay press | Nov. 25, 1879 | 1056 | 295 | 16 | 983 |
| | Green, H. Morton. (*See* Egerton & Green.) | | | | | |
| 219, 936 | Green, H. Morton, Baltimore, Md., assignor of one-half interest to D. H. Walker, New York, N. Y. Coupling for electric-annunciator conductors | Sept. 23, 1879 | 1009 | 281 | 16 | 570 |
| 219, 463 | Green, Ira H., Canandaigna, N. Y. Band-cutter and feeder for thrashers | Sept. 9, 1879 | 471 | 131 | 16 | 480 |
| 211, 729 | Green, J. Delos, Sedalia, Mo. Seed-planter | Jan. 28, 1879 | 779 | 218 | 15 | 106 |
| | Green, John H. (*See* Raisbeck & Green.) | | | | | |
| 219, 251 | Green, John H., Londonderry, Ohio. Mowing-machine | Sept. 2, 1879 | 226 | 65 | 16 | 441 |
| 218, 672 | Green, Joseph, assignor to J. R. Floyd, New York, N. Y. Fastening for gas-retort lids | Aug. 19, 1879 | 665 | 188 | 16 | 330 |
| | Green, L. E., *et al.* (*See* Green, Charles W., assignor.) | | | | | |
| 211, 990 | Green, Morris L., Londonderry, Ohio. Hub-attaching device | Feb. 4, 1879 | 190 | 54 | 15 | 151 |
| 218, 875 | Green, Nelson W., New York, N. Y. Water-supply system for cities | Aug. 26, 1879 | 921 | 258 | 16 | 374 |
| 217, 610 | Green, Paul W., Philadelphia, Pa. Loom | July 15, 1879 | 772 | 219 | 16 | 122 |
| | Green, S. G. (*See* Hale, Orlando C., assignor.) | | | | | |
| 216, 671 | Green, Thomas, Newark, N. J. Sewing-machine | June 17, 1879 | 750 | 214 | 15 | 998 |
| 215, 118 | Green, Thomas W., Philadelphia, Pa. Clothes-horse | May 6, 1879 | 162 | 46 | 15 | 722 |
| 216, 516 | Green, William M., Stevens Point, Wis., assignor of one-half interest to S. C. Sample, Chicago, Ill. Monkey-wrench | June 17, 1879 | 587 | 167 | 15 | 976 |
| | Green, William P. (*See* Green & Roberts.) | | | | | |
| | Greenawalt, Jacob. (*See* Anderson & Greenawalt.) | | | | | |
| 220, 531 | Greene, Albert C., assignor to Greene & Allen, Providence, R. I. Button and stud | Oct. 14, 1879 | 370 | 97 | 16 | 693 |
| | Greene & Allen. (*See* Greene, Albert C., assignor.) | | | | | |
| 213, 650 | Greene, Arthur H., Brooklyn, N. Y. Lantern | Mar. 25, 1879 | 1006 | 286 | 15 | 451 |
| | Greene, Charles S. (*See* Blackman, Harland P., assignor.) | | | | | |
| | Greene, Edward A. (*See* Ellison, James C., assignor.) | | | | | |
| 213, 562 | Greene, George W., Abington, assignor of one-half interest to W. R. Teeguarden, Clifton, Ind. Rotary engine | Mar. 25, 1879 | 911 | 260 | 15 | 439 |
| 212, 847 | Greene, James B., Elliott, Cal. Wave-power for propelling vessels | Mar. 4, 1879 | 75 | 22 | 15 | 307 |
| 216, 566 | Greene, Will B., Marietta, Ohio. Umbrella | June 17, 1879 | 640 | 182 | 15 | 983 |
| 214, 905 | Greene, William A., Elizabethport, assignor of two-thirds interest to E. R. Cahoone and A. Albright, Newark, N. J. Furnace for steam-generators | Apr. 29, 1879 | 1390 | 387 | 15 | 682 |
| 214, 906 | Same.....Parlor stove and heater | Apr. 29, 1879 | 1392 | 387 | 15 | 682 |
| 220, 528 | Same.....Mica window and door for stoves | Oct. 14, 1879 | 362 | 95, 96 | 16 | 692 |
| | Same.....Parlor heating-stove | Oct. 14, 1879 | 364 | 96 | 16 | 693 |
| 220, 529 | Same.....Stove and furnace | Oct. 14, 1879 | 367 | 96 | 16 | 693 |
| 220, 530 | Same.....Boiler-furnace | Nov. 18, 1879 | 786 | 219 | 16 | 937 |
| 221, 808 | Greene, William A., Elizabethport, N. J. Heating-stove | Dec. 30, 1879 | 1082 | 308, 309 | 16 | 1200 |
| 223, 041 | Greene, William E., Providence, R. I. Ear-ring | July 1, 1879 | 190 | 55 | 16 | 26 |
| 217, 092 | Greene, William S., Opelika, Ala. Perforating canceling-stamp | Aug. 19, 1879 | 612 | 172 | 16 | 322 |
| 218, 622 | Greenebaum, Michael, assignor to H. L. Frank, Chicago, Ill. Combined refrigerator and water-cooler | Jan. 21, 1879 | 571 | 162 | 15 | 76 |
| 211, 565 | Greener, Andrew. (*See* Weaver, Francis M., assignor.) | | | | | |
| | Greenfield, Edwin T. (*See* Holmes & Greenfield.) | | | | | |
| | Greenfield, Edwin T., New York, assignor to self and D. M. Adee, Brooklyn, N. Y. Automatic electric switch for telephones | Dec. 30, 1879 | 1192 | 337 | 16 | 1215 |
| 223, 132 | Greenfield, John A., and C. H. Fry, jr., Bellaire, Ohio. Lamp-chimney | Sept. 16, 1879 | 757 | 209 | 16 | 526 |
| 219, 716 | Greenfield, John T., Uniontown, Ky. Plow | Sept. 23, 1879 | 1008 | 280 | 16 | 570 |
| 219, 935 | Greenhut, Joseph B., assignor to self and N. Morris, Chicago, Ill. Cattle-stall | Aug. 12, 1879 | 485 | 135 | 16 | 296 |
| 218, 522 | Greenleaf, Latham W., Terre Haute, Ind. Elevator for lumber or other articles | Sept. 30, 1879 | 1252 | 344 | 16 | 611 |
| 220, 137 | Greenough, John J., Syracuse, N. Y. Aerobat | Oct. 14, 1879 | 301 | 80 | 16 | 685 |
| 220, 473 | Same.....Circular loom (Reissue) | Nov. 4, 1879 | 273 | 74 | 16 | 850 |
| 8, 052 | Greenspecht, Michael, New York, N. Y. Cribbage-box | Mar. 11, 1879 | 331 | 93 | 15 | 348 |
| 213, 045 | Greenwalt, Daniel, Millersville, Pa. Bubble-blowing apparatus | June 3, 1879 | 177 | 52 | 15 | 907 |
| 216, 176 | Greenway, Edward M., jr., Baltimore, Md., assignor to E. N. Dickerson, New York, N. Y. Air-filter (Reissue) | Feb. 25, 1879 | 1123 | 312 | 15 | 286 |
| 8, 596 | Greenway, Henry, Brooklyn, N. Y. Device for operating railway-switches | June 10, 1879 | 444 | 127 | 15 | 948 |
| | Greenwood, Albert B. (*See* Williams & Greenwood.) | | | | | |
| 216, 395 | Greenwood, George G. B., Minerva, Ohio. Fruit-gatherer | Mar. 11, 1879 | 409 | 113 | 15 | 357 |
| 213, 105 | Greenwood, John T., Kalamazoo, Mich. Air-heater | Dec. 9, 1879 | 315 | 89 | 16 | 1062 |
| 222, 395 | Greenwood, Lafayette E. (*See* Haigh & Greenwood.) | | | | | |
| | Greer, Benjamin A. F. (*See* Rogers, Timothy, assignor.) | | | | | |
| | Greer, Joseph A., and P. O'Hair, Sterling, Ill. Artificial stone | Feb. 25, 1879 | 1015 | ..... | 15 | 272 |
| 212, 686 | Greer, Joseph A., assignor of one-third interest to W. Pittman, Sterling, Ill. Compound for artificial stone | Dec. 16, 1879 | 685 | ..... | 16 | 1123 |
| 222, 694 | Gregerson, George J. (*See* Ramus & Gregerson.) | | | | | |
| | Gregg, Joseph O., Elkhart, Ind. Manufacture of paper | Feb. 4, 1879 | 191 | 54 | 15 | 151 |
| 211, 991 | Same.....Compound paper or board | Apr. 15, 1879 | 623 | ..... | 15 | 568 |
| 214, 250 | Gregg, Romeo, assignor of one-half interest to R. H. Osgood, Columbus, Ohio. Joint-holder | May 13, 1879 | 437 | 130 | 15 | 761 |
| 215, 348 | Gregg, Samuel H., Crawfordsville, Ind. Fence | Oct. 28, 1879 | 1002 | 206 | 16 | 793 |
| 221, 055 | Same.....Barbed fence-wire | Nov. 4, 1879 | 176 | 47 | 16 | 836 |
| 221, 900 | Gregg, William H., assignor to Southern White Lead Company, Saint Louis, Mo. Apparatus for washing white lead | Sept. 16, 1879 | 758 | 210 | 16 | 527 |
| 219, 717 | Gregg, William L., Philadelphia, Pa. Disintegrating device for pulverizing clay | Apr. 15, 1879 | 789 | 222 | 15 | 590 |
| 214, 384 | Same.....Drying-car for bricks | Oct. 28, 1879 | 901 | 241 | 16 | 780 |
| 220, 972 | Gregory, Charles E., Nashville, Tenn. Brick-machine | Sept. 16, 1879 | 672 | 186, 187 | 16 | 515 |
| 219, 638 | Gregory, David D., Syracuse, N. Y. Bank-check | July 15, 1879 | 627 | 179 | 16 | 104 |
| 217, 478 | Gregory, George H., Cannon's Station, Conn. Tenoning-machine | Mar. 18, 1879 | 747 | 210 | 15 | 410 |
| 213, 413 | Greig, Bennet, New York, N. Y. Clasp | June 3, 1879 | 177 | 53 | 15 | 907 |
| 216, 177 | Same.....Paper-file | Nov. 18, 1879 | 788 | 219 | 16 | 937 |
| 221, 809 | Grenalds, James M. (*See* Davis & Grenalds.) | | | | | |
| 222, 693 | Gresty, Jonathan, and J. Mills, Salford, Lancaster County, Great Britain. Machine for making framed wood-work | Dec. 16, 1879 | 683 | 196, 197 | 16 | 1122 |
| 219, 355 | Greth, William, Buffalo, N. Y. Refrigerator | Sept. 9, 1879 | 351 | 99, 100 | 16 | 464 |
| | Grey, James. (*See* Crowell, David, assignor.) | | | | | |
| 218, 959 | Gridley, Charles C., and C. W. Pratt, Waterloo, N. Y. Wash-board | Aug. 26, 1879 | 1006 | 283 | 16 | 387 |

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| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216, 178 | Gridley, James E., Chicago, Ill. Heating-stove | June 3, 1879 | 178 | 53 | 15 | 907 |
| 221, 056 | Grier, George S., Milford, Del. Fruit-drier | Oct. 28, 1879 | 1003 | 266 | 16 | 793 |
| | Grier, William W. (*See* McConnell, John A., assignor.) | | | | | |
| 212, 217 | Grier, William W., Hulton, Pa. Vehicle-spring | Feb. 11, 1879 | 457 | 126 | 15 | 187 |
| 216, 179 | Same.....same | June 3, 1879 | 179 | 53 | 15 | 907 |
| 216, 180 | Same.....same | June 3, 1879 | 180 | 54 | 15 | 908 |
| 217, 611 | Grier, William W., and H. Barr, Hulton, Pa. Fifth-wheel for vehicles | July 15, 1879 | 772 | 219 | 16 | 122 |
| 213, 563 | Griess, John P., Burton-on-Trent, Great Britain, assignor to Badische Anilin and Soda Fabrik, Baden, Germany. Coloring-matter | Mar. 25, 1879 | 912 | ..... | 15 | 439 |
| 213, 564 | Same.....same | Mar. 25, 1879 | 913 | ..... | 15 | 439 |
| 215, 604 | Grieve, George, assignor of one-half interest to G. F. Everson, Palmyra, N. Y. Baker's-oven furnace | May 20, 1879 | 736 | 215 | 15 | 810 |
| 8, 770 | Griffen, John, Phœnixville, and S. E. Weeks, Millersville, Pa., administratrix of M. P. Weeks, deceased, assignors to Riverside Iron Works, Wheeling, W. Va. Piling old railway-rails (Reissue) | June 24, 1879 | 1066 | 302 | 15 | 1048 |
| | Griffin, Albert W. (*See* Leach & Griffin.) | | | | | |
| 222, 780 | Griffin, James I., Jacksonville, Fla. Elastic graduated cap for bottles | Dec. 23, 1879 | 783 | 225 | 16 | 1147 |
| 221, 810 | Griffin, Russell B., assignor to self and L. J. Beagle, Osage Mission, Kans. Butter-package | Nov. 18, 1879 | 789 | 220 | 16 | 937 |
| 222, 695 | Griffith, Edward N., Irvington, N. J. Spading-fork | Dec. 16, 1879 | 685 | 197 | 16 | 1123 |
| | Griffith, John J. (*See* Menuez, Vincent A., assignor.) | | | | | |
| | Griffith, John L., *et al.* (*See* Dyer, James M., assignor.) | | | | | |
| 217, 869 | Griffith, Samuel and J. S. Patterson, Cincinnati, Ohio. Draft apparatus for cars | July 29, 1879 | 1084 | 312 | 16 | 180 |
| | Griffiths, Thomas. (*See* Knight, Henry, assignor.) | | | | | |
| 217, 688 | Grilley, Charles T., Boston, Mass. Rein-supporter | July 22, 1879 | 881 | 251 | 16 | 146 |
| 218, 623 | Same.....Terret | Aug. 19, 1879 | 613 | 172 | 16 | 322 |
| | Grimes, Franklin P. (*See* Wilson & Grimes) (Reissue.) | | | | | |
| 213, 651 | Grimes, George W., Bluffton, Ind. Hand corn-sheller | Mar. 25, 1879 | 1006 | 286 | 15 | 452 |
| 214, 907 | Grimmitt, Thomas, Rockford, Ill. Bench-vise | Apr. 29, 1879 | 1394 | 387 | 15 | 683 |
| | Grimshaw, Henry. (*See* Hudson, Grimshaw & Crenshaw.) | | | | | |
| 218, 624 | Grimshaw, William D., New York, N. Y. Process and apparatus for preserving and curing wood | Aug. 19, 1879 | 614 | 173 | 16 | 322 |
| 222, 897 | Same.....Power-thermometer | Dec. 23, 1879 | 917 | 264 | 16 | 1167 |
| 218, 523 | Grinnell, Frederick, Providence, R. I. Valve | Aug. 12, 1879 | 486 | 136 | 16 | 297 |
| 218, 524 | Same.....Automatic valve for fire-extinguishers | Aug. 12, 1879 | 487 | 136 | 16 | 297 |
| | Griscom, Samuel E. (*See* Andrews, Edward, assignor.) | | | | | |
| | Same.....(*See* Vulpius, Edler H. C. A. T., assignor.) | | | | | |
| 221, 551 | Griscom, Walter, Pottsville, Pa. Millstone-dressing machine | Nov. 11, 1879 | 487 | 133 | 16 | 888 |
| | Grissenger, Jacob H., *et al.* (*See* Drawbaugh, Daniel, assignor.) | | | | | |
| | Grissenger, Theodore, *et al.* (*See* Drawbaugh, Daniel, assignor.) | | | | | |
| | Griswold, Charles L. (*See* Bogart, George A., assignor.) | | | | | |
| | Griswold, Rufus, *et al.* (*See* Lodge, Nicholas, assignor.) | | | | | |
| 219, 253 | Grodzensky, Max, assignor to M. S. Heymann & Sons, New York, N. Y. Imitation feathers | Sept. 2, 1879 | 228 | 65 | 16 | 441 |
| 220, 918 | Same.....Machine for making artificial feathers, chenelle, &c | Oct. 28, 1879 | 829 | 222 | 16 | 770 |
| 214, 125 | Groff, H. Harrison, Philadelphia, Pa. Tag or ticket fastener | Apr. 8, 1879 | 472 | 134 | 15 | 539 |
| 217, 005 | Groff, John W., Albion, Mich. Paneling machine | July 1, 1879 | 81 | 25 | 16 | 13 |
| 218, 016 | Groff, William S., assignor of one-half interest to W. Bouldin, jr., Frederick, Md. Invalid-bed | July 29, 1879 | 1245 | 356 | 16 | 201 |
| 217, 366 | Grom, Henry, assignor to S. Grom, Newark, N. J. Candlestick | July 8, 1879 | 494 | 143 | 16 | 75 |
| | Grom, Sofia. (*See* Grom, Henry, assignor.) | | | | | |
| 213, 106 | Gronberg, Charles P., Elgin, Ill. Harvester | Mar. 11, 1879 | 410 | 113 | 15 | 357 |
| 218, 414 | Groom, Patrick W., assignor to Groom Shovel Company, Saint Louis, Mo. Handle-socket for shovels, spades, and scoops | Mar. 18, 1879 | 748 | 210 | 15 | 410 |
| | Groom Shovel Company. (*See* Groom, Patrick W., assignor.) | | | | | |
| 212, 925 | Groom, Wallace P., Brooklyn, N. Y. Covering for cotton-bales | Mar. 4, 1879 | 183 | 51 | 15 | 320 |
| 219, 718 | Same.....Bale pressing and sacking device | Sept. 16, 1879 | 759 | 210 | 16 | 527 |
| 220, 235 | Same.....Bale-tie | Oct. 7, 1879 | 31 | 8 | 16 | 639 |
| 214, 648 | Gropp, John, New York, N. Y. Fining beer | Apr. 22, 1879 | 1094 | 306 | 15 | 636 |
| | Gros, Hermann C. (*See* Schlatter & Gros.) | | | | | |
| 217, 870 | Groshans, William, Baltimore, Md. Device for the manufacture of fifth-wheels for vehicles | July 29, 1879 | 1086 | 312 | 16 | 180 |
| 220, 138 | Groshon, John A., New York, N. Y. Elevator | Sept. 30, 1879 | 1253 | 345 | 16 | 612 |
| 222, 696 | Grosmann, Albert, assignor to A. Haas, Schorndorf, Würtemburg. Apparatus for pitching beer-casks | Dec. 16, 1879 | 686 | 197 | 16 | 1123 |
| | Gross, A. S. (*See* Morris, David and T., assignors.) | | | | | |
| 218, 960 | Gross, Samuel E., Chicago, Ill. Pavement or roadway | Aug. 26, 1879 | 1007 | 283 | 16 | 387 |
| 220, 234 | Same.....same | Oct. 7, 1879 | 30 | 8 | 16 | 639 |
| 218, 381 | Grossius, John, Cincinnati, Ohio. Stove-grate | Aug. 12, 1879 | 319 | 87 | 16 | 274 |
| 221, 811 | Same.....Ventilating school-house stove | Nov. 18, 1879 | 790 | 220 | 16 | 938 |
| 212, 926 | Groth, Henry, New York, N. Y. Toy motor | Mar. 4, 1879 | 185 | 51 | 15 | 320 |
| 216, 323 | Grouven, Hubert, Leipsic, Saxony. Manufacture of sulphate of ammonia | June 10, 1879 | 358 | 104 | 15 | 937 |
| 215, 737 | Grove, Cassius G., Mount Pleasant, Mich. Pump | May 27, 1879 | 884 | 258 | 15 | 838 |
| 221, 301 | Grove, John A., Bluffton, Ind. Gate-hinge | Nov. 4, 1879 | 176 | 48 | 16 | 837 |
| 216, 181 | Grove, Richard, North Lima, Ohio. Wash-board | June 3, 1879 | 182 | 54 | 15 | 908 |
| 216, 791 | Grover, William O., Boston, Mass. Feeding device for sewing-machines | June 24, 1879 | 905 | 258 | 15 | 1028 |
| | Groves, F. W., *et al.* (*See* Tibbetts, Charles H., assignor.) | | | | | |
| 220, 828 | Groves, Harvey S., Emerson, Iowa. Feed-steamer | Oct. 21, 1879 | 723 | 191 | 16 | 746 |
| | Groves, S. A., *et al.* (*See* Tibbetts, Charles H., assignor.) | | | | | |
| | Grubb, Jacob L. (*See* Grubb, William C., assignor.) | | | | | |
| 217, 612 | Grubb, Moses H., Vincent, Pa. Nut-lock | July 15, 1879 | 774 | 220 | 16 | 123 |
| | Grubb, Samuel N. (*See* Levake & Grubb.) | | | | | |
| 217, 367 | Grubb, William C., assignor of one-half interest to J. L. Grubb, Big Spring, Tenn. Animal-poke | July 8, 1879 | 495 | 143 | 16 | 75 |
| | Grubbs, John W. (*See* Jones & Grubbs.) | | | | | |
| 218, 961 | Grube, Julius M., Brooklyn, N. Y. Truss | Aug. 26, 1879 | 1008 | 284 | 16 | 387 |
| 215, 915 | Gruber, John P., Jersey City, N. J. Automatic air-vent | May 27, 1879 | 1085 | 315 | 15 | 863 |
| 219, 254 | Same.....Faucet attachment | Sept. 2, 1879 | 229 | 66 | 16 | 441 |
| | Gruell, Calvin. (*See* West, John C., assignor.) | | | | | |
| 220, 071 | Grüters, August, Crefeld, Germany. Organ-action | Sept. 30, 1879 | 1179 | 324 | 16 | 601 |
| 218, 382 | Gruyer, Achille J., Paris, France. Advertising-umbrella | Aug. 12, 1879 | 320 | 88 | 16 | 274 |
| 212, 747 | Grzybowski, Julian, Grand Rapids, Mich. Cigar-stand | Apr. 1, 1879 | 20 | 6 | 15 | 475 |
| 222, 131 | Same.....Coffee-roaster | Dec. 2, 1879 | 15 | 5 | 16 | 1011 |
| 214, 504 | Guard, Chauncey H., assignor to S. N. Brown, Dayton, Ohio. Vehicle-wheel hub | Apr. 22, 1879 | 926 | 262 | 15 | 616 |

*Alphabetical list of patentees for the year* 1879—Continued

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 222, 396 | Guernsey, Edwin M., Montpelier, Vt. Guide for circular saws | Dec. 9, 1879 | 316 | 89 | 16 | 1063 |
| | Guerrant, George M. (*See* Guerrant, John C. and G. M.) | | | | | |
| 212, 927 | Guerrant, John C. and G. M., Danville, Va. Engraving-machine | Mar. 4, 1879 | 185 | 51, 52 | 15 | 320 |
| | Guest, Augusta. (*See* Guest, John H., assignor) (Reissue.) | | | | | |
| 212, 687 | Guest, James H., New Albany, Ind. Envelope | Feb. 25, 1879 | 1016 | 282 | 15 | 272 |
| 8, 618 | Guest, John H., assignor, by mesne assignments, to A. Guest, Brooklyn, N. Y. Automatic fire-alarm telegraph (Reissue) | Mar. 11, 1879 | 595 | 166, 167 | 15 | 381 |
| 216, 396 | Guest, John H., Brooklyn, N. Y. Syringe | June 10, 1879 | 445 | 127 | 15 | 948 |
| | Guild, Egbert F. (*See* Stevens, Gustavus, assignor.) | | | | | |
| 213, 565 | Guild, Henry A., New York, N. Y. Device for stopping the motion of elevators | Mar. 25, 1879 | 914 | 261 | 15 | 439 |
| 216, 182 | Guild, Joseph H., Rupert, Vt. Medicine-package | June 3, 1879 | 183 | 54 | 15 | 908 |
| 215, 816 | Guild, Phineas K., Santa Barbara, Cal. Lamp-shade | May 27, 1879 | 974 | 285 | 15 | 850 |
| 215, 349 | Guiley, Jacob H., assignor of one-third interest to W. E. Stich, East Saginaw, Mich. Piston-packing | May 13, 1879 | 438 | 130 | 15 | 761 |
| | Guilmet, André R., sr. (*See* Schoenfeld & Guilmet.) | | | | | |
| 219, 154 | Guineau, Thomas, Sacramento, Cal. Refrigerator | Sept. 2, 1879 | 106 | 31 | 16 | 426 |
| | Guinnip, Lyman. (*See* Palmer, Benjamin, assignor.) | | | | | |
| 214, 819 | Guittard, Etienne, San Francisco, Cal. Tin pail | Apr. 29, 1879 | 1300 | 363 | 15 | 670 |
| 218, 876 | Gulick, James H., Cincinnati, Ohio. Machine for cutting green corn from the cob | Aug. 26, 1879 | 923 | 258 | 16 | 374 |
| 218, 017 | Gullicksen, Severin, San Francisco, Cal. Clutch-coupling | July 29, 1879 | 1246 | 357 | 16 | 201 |
| 218, 018 | Same. Belt and rod griper | July 29, 1879 | 1247 | 357 | 16 | 201 |
| 212, 599 | Gumlich, Charles, jr., Cleveland, Ohio. Hose attachment for street-washers | Feb. 25, 1879 | 933 | 258 | 15 | 261 |
| 213, 748 | Gummer, Albert, Omro, Wis. Vehicle-spring | Apr. 1, 1879 | 21 | 7 | 15 | 475 |
| 216, 036 | Same. Fruit or preserve jar | June 3, 1879 | 34 | 9 | 15 | 889 |
| 217, 457 | Same. Vehicle-spring | July 15, 1879 | 604 | 173 | 16 | 101 |
| | Gumpert, S. Eugene, *et al.* (*See* Woodside, George W., assignor.) | | | | | |
| | Gunckel, Patrick H., administrator. (*See* Regan, Bernard) (Reissue.) | | | | | |
| 211, 507 | Gundlach, Ernst, Rochester, N. Y. Microscope | Jan. 21, 1879 | 507 | 143 | 15 | 68 |
| 222, 132 | Gundlach, Ernst, assignor to L. R. Sexton, Rochester, N. Y. Eye-piece and objective for telescopes and microscopes | Dec. 2, 1879 | 16 | 5 | 16 | 1011 |
| 215, 605 | Gunn, Nelson B., and A. D. Mendenhall, Elwood, Ind. Apple corer and cutter | May 20, 1879 | 737 | 215 | 15 | 811 |
| 216, 086 | Gunning, Josiah H., and H. B. Weiland, Titusville, Pa. Pulsating stencil-pen | June 3, 1879 | 87 | 25 | 15 | 896 |
| 217, 613 | Günsel, Charles, Newark, N. J. Trunk | July 15, 1879 | 774 | 220 | 16 | 123 |
| | Gunter, R. W., *et al.* (*See* Devine, Frank W., assignor.) | | | | | |
| 217, 530 | Günther, Hugo, Leipsic, assignor to F. A. St. Biernatzki, Hamburg, Germany. Knitting-machine | July 15, 1879 | 680 | 194 | 16 | 111 |
| | Günzburg, Ury. (*See* Tcherniac & Günzburg.) | | | | | |
| 219, 255 | Gurney, Frederick B., assignor to H. Funke, jr., New York, N. Y. Show-box | Sept. 2, 1879 | 231 | 66 | 16 | 441 |
| 214, 126 | Gusman, Lewis B., and H. Jones, Upper Dublin, Pa. Shutter-fastening | Apr. 8, 1879 | 473 | 134 | 15 | 539 |
| | Gustam, Augustus, *et al.* (*See* Hall, Thomas G., assignor.) | | | | | |
| 215, 606 | Guthrie, Herbert, Manchester, England. Machinery for manufacturing bricks, &c. | May 20, 1879 | 737 | 215, 216 | 15 | 811 |
| 219, 639 | Guthrie, James T., Leesburg, Ohio. Gas-generator | Sept. 16, 1879 | 678 | 187 | 16 | 515 |
| 222, 781 | Guthrie, Warren H., Florence, N. J. Screw-driver | Dec. 23, 1879 | 784 | 225 | 16 | 1147 |
| 211, 992 | Gutmann, Max L., Rochester, N. Y. Adjustable watch-key | Feb. 4, 1879 | 192 | 54 | 15 | 151 |
| 222, 586 | Guy, James V., assignor of one-half interest to G. W. Stapp, Macomb, Ill. Husking-peg | Dec. 16, 1879 | 553 | 158 | 16 | 1104 |
| 211, 397 | Guy, John C., Fayetteville, Ga. Cultivator | Jan. 14, 1879 | 380 | 109 | 15 | 49 |
| 220, 236 | Guyer, Albert, Louisville, Ky., and J. L. Atherton, New Albany, Ind. Medical compound for ague | Oct. 7, 1879 | 32 | ..... | 16 | 639 |
| 220, 139 | Guyton, Albert M., Orbisonia, Pa. Cloth-measuring machine | Sept. 30, 1879 | 1254 | 345 | 16 | 612 |
| 211, 566 | Gwathney, Richard R., Louisville, Ky. Cotton-separator | Jan. 21, 1879 | 573 | 162 | 15 | 76 |
| 214, 505 | Gwinn, Thomas W., New Frankfort, Mo. Dash-board | Apr. 22, 1879 | 927 | 262 | 15 | 616 |
| 223, 042 | Gwinnell, John M., Newark, N. J. Harness-saddle | Dec. 30, 1879 | 1086 | 309 | 16 | 1200 |
| 219, 856 | Haarmann, Hermann A., Osnabruck, Prussia, Germany. Railway-chair and fastening. | Sept. 23, 1879 | 921 | 255 | 16 | 558 |
| | Haas, Albert. (*See* Grosmann, Albert, assignor.) | | | | | |
| 217, 093 | Haas, Emil, Mainz, Germany. Gas-meter | July 1, 1879 | 191 | 55 | 16 | 26 |
| 212, 218 | Haas, Jerome, and J. Manning, Stockton, Cal. Boring and excavating apparatus | Feb. 11, 1879 | 459 | 126 | 15 | 187 |
| 211, 567 | Haas, Philip M., assignor of one-half interest to D. D. Lucas, Warren, Ohio. Machine for dressing millstones | Jan. 21, 1879 | 574 | 162, 163 | 15 | 76 |
| 211, 398 | Haas, William, Lyndon, Kans. Washing-machine | Jan. 14, 1879 | 381 | 109 | 15 | 49 |
| 218, 259 | Haberman, Frederick, New York, N. Y. Dust-pan | Aug. 5, 1879 | 172 | 46 | 16 | 244 |
| 214, 561 | Hacker, John C., Detroit, Mich. Knob attachment | Apr. 22, 1879 | 1002 | 282 | 15 | 624 |
| 220, 140 | Hackett, Christopher C., Bastrop, La. Digging and curbing wells | Sept. 30, 1879 | 1255 | 245 | 16 | 612 |
| 215, 273 | Hackett, Joseph, Louisville, Ky. Metallic burial-case | May 13, 1879 | 355 | 102 | 15 | 750 |
| 217, 368 | Hackman, Amandes, Blakesburg, Iowa. Plow | July 8, 1879 | 496 | 144 | 16 | 75 |
| 217, 212 | Hadaway, William S., Chiltonville, and E. Gott, Boston, Mass. Leather-skiving machine | July 8, 1879 | 331 | 98 | 16 | 54 |
| 219, 937 | Hadden, William, New York, N. Y. Electric signaling-instrument | Sept. 23, 1879 | 1010 | 281 | 16 | 570 |
| 213, 749 | Hadley, Frederick R., Leominster, Mass. Toy hand-car | Apr. 1, 1879 | 21 | 7 | 15 | 475 |
| | Hadley, Samuel J. (*See* Gibbens, David, assignor.) | | | | | |
| | Haegg, August. (*See* Munthe, Thour, assignor.) | | | | | |
| 212, 219 | Hafleigh, Jeremiah M., Philadelphia, Pa. Drawers | Feb. 11, 1879 | 459 | 127 | 15 | 187 |
| 217, 094 | Hagaman, Cyrus E., Harvard, Ill. Platform-gear for wagons | July 1, 1879 | 192 | 55 | 16 | 27 |
| | Hagen, Erwin. (*See* Wellhouse & Hagen.) | | | | | |
| 217, 940 | Hagen, John, Little Sioux, Iowa. Corn-planter | July 29, 1879 | 1163 | 333 | 16 | 190 |
| 219, 577 | Hagerman, Jobe, assignor of one-half interest to R. M. Livesay, Fairfield, Mich. Farm-gate | Sept. 16, 1879 | 595 | 166 | 16 | 504 |
| | Hagerstown Agricultural Implement Manufacturing Company. (*See* Hull, Davit F., assignor.) | | | | | |
| 213, 818 | Haggard, William S., La Fayette, Ind. Vehicle-spring | Apr. 1, 1879 | 97 | 20 | 15 | 485 |
| | Haggenmacher, Carl. (*See* Woerner, Jacob, assignor.) | | | | | |
| 213, 284 | Haggenmacher, Carl, Pesth, Austria. Machine for cleaning and sorting semolino, &c. | Mar. 18, 1879 | 617 | 173, 174 | 15 | 392 |
| | Hagstoz, Thomas B., *et al.* (*See* Mueller, Theodore, assignor.) | | | | | |
| | Hague, Charles A. (*See* Bradley & Hague.) | | | | | |
| 215, 350 | Hahn, Henry, and A. L. Gaston, Gainesville, Tex. Railway-gate | May 13, 1879 | 439 | 131 | 15 | 762 |
| 212, 928 | Haigh, Benjamin F., and L. E. Greenwood, Philadelphia, Pa. Treating rovings on carding-engines to prevent their disintegration | Mar. 4, 1879 | 187 | 52 | 15 | 320 |
| 218, 434 | Haight, John B., Cincinnati, Ohio. Combined inhaler, vaporizer, and douche | Aug. 12, 1879 | 379 | 104 | 16 | 282 |
| 212, 377 | Haight, William H., Leavenworth, Kans. Composition for drain-tiles, paving-blocks, &c. | Feb. 18, 1879 | 644 | ..... | 15 | 214 |
| | Haight, Wilson, *et al.* (*See* Phelps, Ebenezer W., assignor.) | | | | | |
| 220, 474 | Haile, James T., Whitesborough, Tex. Churning-machine | Oct. 14, 1879 | 303 | 80 | 16 | 685 |
| 211, 568 | Hailer, Ludwig, Esslingen, Germany. Pocket-cup | Jan. 21, 1879 | 576 | 163 | 15 | 77 |
| 218, 260 | Haiman, Elias, Atlanta, Ga. Bale-tie | Aug. 5, 1879 | 273 | 46 | 16 | 244 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 222, 039 | Hain, Edwin, Edgerton, Wis. Tobacco-chopper | Nov. 25, 1879 | 1057 | 295 | 16 | 983 |
| 217, 095 | Haines, Robert D., Corning, N. Y. Lamp-collar | July 1, 1879 | 193 | 55 | 16 | 27 |
| 8, 648 | Haines, William, Philadelphia, Pa. Adjustable watch-key (Reissue) | Apr. 1, 1879 | 252 | 73 | 15 | 505 |
| 219, 396 | Hair, Benjamin W., Millville, Ohio. Medical compound | Sept. 9, 1879 | 490 | ..... | 16 | 471 |
| | Hake, Ph. (*See* Marston, Thomas S., assignor.) | | | | | |
| 219, 464 | Hake, Philip, Hoboken, N. J. Visiting-card | Sept. 9, 1879 | 473 | 131 | 16 | 480 |
| 8, 899 | Halbert, A. W., assignor, by mesne assignments, to A. Schenck, New York, N. Y. Sewing-machine (Reissue.) | Sept. 16, 1879 | 850 | 233 | 16 | 539 |
| 219, 938 | Halcombe, John J., Balsham, Cambridge County, England. Endless-track vehicle | Sept. 23, 1879 | 1012 | 281 | 16 | 571 |
| 221, 302 | Hale, D. Frank, Springfield, Mass. Toy gun | Nov. 4, 1879 | 177 | 48 | 16 | 837 |
| | Hale & Kilbourn Manufacturing Company. (*See* Lee, James, assignor) (Reissue.) | | | | | |
| | Hale & Mulford. (*See* Hein, Charles, assignor) (Reissue.) | | | | | |
| 220, 072 | Hale, Orlando C., assignor of one-half interest to S. G. Green, Ogden, Ohio. Apparatus for destroying insects | Sept. 30, 1879 | 1181 | 325 | 16 | 601 |
| 212, 551 | Hale, Robert, Minneapolis, Minn. Pouch for letter-carriers | Feb. 25, 1879 | 878 | 242 | 15 | 254 |
| 221, 727 | Hale, William C., Austin's Springs, Tenn. Millstone-dress | Nov. 18, 1879 | 685 | 191 | 16 | 924 |
| 214, 999 | Haley, Eben D., Gardiner, Me. Ice-planer | May 6, 1879 | 19 | 7 | 15 | 705 |
| 219, 813 | Haley, Jonathan, Pittsburg, Pa. Machine for etching glassware | Sept. 23, 1879 | 883 | 243 | 16 | 552 |
| 216, 268 | Haley, Patrick, Rootstown, Ohio. Railway-frog | June 10, 1879 | 294 | 86 | 15 | 929 |
| 222, 992 | Halfpenny, Martin, and E. B. Emmons, Pontiac, Mich. Platform spring-wagon | Dec. 30, 1879 | 1031 | 295 | 16 | 1193 |
| | Hall, Albert C. (*See* Hall, Alvah W., assignor.) | | | | | |
| 211, 153 | Hall, Albert E., Boston, Mass. Dredging apparatus | Jan. 7, 1879 | 85 | 26 | 15 | 11 |
| 222, 488 | Hall, Albert E., Boston, Mass., assignor of one-half interest to P. Dixon, Brooklyn, N. Y. Transporting and delivering dredged material | Dec. 9, 1879 | 429 | 122, 123 | 16 | 1077 |
| 218, 732 | Hall, Allen F., Onarga, Ill. Corn-planter | Aug. 19, 1879 | 723 | 206 | 16 | 338 |
| 215, 120 | Hall, Alvah W., assignor of one-half interest to A. C. Hall, New York, N. Y. Electro-magnetic burglar-alarm trunk | May 6, 1879 | 164 | 47 | 15 | 722 |
| | Hall, Asa. (*See* Flenniken & Hall.) | | | | | |
| | Hall, Augustus M., *et al.* (*See* Hann & Atkinson, assignors.) | | | | | |
| 217, 792 | Hall, A. Wilford, New York, N. Y. Electric lighting apparatus | July 22, 1879 | 985 | 282 | 16 | 160 |
| 219, 939 | Same.....Phonograph | Sept. 23, 1879 | 1013 | 282 | 16 | 571 |
| | Hall, Blair & Co. (*See* Tollner, Eugene, assignor.) | | | | | |
| | Hall, Della J. (*See* Hall, Marcus C., assignor.) | | | | | |
| 216, 269 | Hall, Frank E., Portland, Me. Rubber boot and shoe | June 10, 1879 | 295 | 87 | 15 | 929 |
| 215, 119 | Hall, Franklin B., Palatine Bridge, N. Y. Stock-car | May 6, 1879 | 163 | 46 | 15 | 722 |
| 223, 133 | Hall, Gardiner, jr., South Willington, Conn. Tension-regulator for sewing-machines | Dec. 30, 1879 | 1193 | 338 | 16 | 1215 |
| 213, 190 | Hall, George A., South Waterford, Me. Draft attachment for vehicles | Mar. 11, 1879 | 503 | 140 | 15 | 369 |
| | Hall, George B. (*See* Boles & Hall.) | | | | | |
| 218, 733 | Hall, George L., Boston, Mass. Machine for making horseshoe-nails | Aug. 19, 1879 | 724 | 206 | 16 | 338 |
| 213, 750 | Hall, Harvey M., Olney, Ill. Mail-bag crane | Apr. 1, 1879 | 22 | 7 | 15 | 476 |
| 220, 073 | Hall, Henry H., Brooklyn, N. Y. Temporary binder | Sept. 30, 1879 | 1181 | 325 | 16 | 601 |
| 215, 056 | Hall, Henry W., assignor to D. M. Osborne, Auburn, N. Y. Driving-chain | May 6, 1879 | 80 | 25 | 15 | 713 |
| | Hall, James. (*See* Clark, Moses M., assignor.) | | | | | |
| 211, 993 | Hall, James F., Havana, N. Y. Pipe-grip for vises | Feb. 4, 1879 | 193 | 55 | 15 | 151 |
| 211, 994 | Hall, James O., Paris, Ill. Corn-dropper and check-rower | Feb. 4, 1879 | 194 | 55 | 15 | 151 |
| 220, 142 | Hall, James P., and H. Jacobsen, Niantic, Ill. Seed-dropping attachment for planters | Sept. 30, 1879 | 1258 | 346 | 16 | 612 |
| | Hall, Joseph L. (*See* Kook & Hall.) | | | | | |
| 211, 995 | Hall, Joseph L., Cincinnati, Ohio. Device for locking the spindles of safes | Feb. 4, 1879 | 195 | 55, 56 | 15 | 151 |
| 213, 566 | Same.....Lock for safes, &c | Mar. 25, 1879 | 915 | 261 | 15 | 439 |
| 214, 034 | Same.....Time-lock | Apr. 8, 1879 | 349 | 100 | 15 | 526 |
| 214, 385 | Hall, Joseph M., Sewickley, and T. Furlong, Oil City, Pa. Ticket-punch | Apr. 15, 1879 | 790 | 222 | 15 | 590 |
| | Hall, Levi W. (*See* Wiard, Bullock & Hall.) | | | | | |
| 220, 373 | Hall, Levi W., Syracuse, N. Y. Plow-point | Oct. 7, 1879 | 184 | 49 | 16 | 660 |
| | Hall, Lewis A. (*See* Winsor & Hall.) | | | | | |
| 218, 525 | Hall, Marcus C., assignor to D. J. Hall, Hallsville, Tex. Baling-press | Aug. 12, 1879 | 489 | 136 | 16 | 297 |
| 213, 191 | Hall, Merritt H., Philadelphia, Pa. Machine for crimping heel-stiffeners for boots and shoes | Mar. 11, 1879 | 504 | 140 | 15 | 369 |
| 213, 652 | Same.....Chain-propeller for boats | Mar. 25, 1879 | 1007 | 287 | 15 | 452 |
| 216, 736 | Hall, Osborn B., 2d, Boston, Mass. Hose-coupling | June 24, 1879 | 840 | 239 | 15 | 1019 |
| | Hall, Richard. (*See* Kendall & Hall.) | | | | | |
| | Hall, Thomas. (*See* Cheetham & Hall.) | | | | | |
| | Same.....(*See* Petrie & Hall.) | | | | | |
| | Same.....(*See* Whitney & Hall.) | | | | | |
| 219, 719 | Hall, Thomas G., assignor to self, W. Q. Judge, and A. Gustam, New York, N. Y. Adjustable-faced vise | Sept. 16, 1879 | 760 | 210 | 16 | 527 |
| 213, 107 | Hall, Thomas P., Portsmouth, assignor to W. Bull, Southsea, England. Manufacture of artificial stone | Mar. 11, 1879 | 411 | ..... | 15 | 357 |
| 216, 952 | Hall, Van Buren, Wheeling, W. Va. Fare-box | July 1, 1879 | 28 | 8 | 16 | 6 |
| 214, 127 | Hall, Walton, assignor of one-half interest to J. N. Neal, C. E. Meeker, and D. Spencer, Lodi, N. Y. Rafter | Apr. 8, 1879 | 473 | 134 | 15 | 539 |
| 220, 756 | Hall, William J., New York, N. Y. Car-window | Oct. 21, 1879 | 638 | 170 | 16 | 736 |
| 221, 037 | Hall, William, jr., North Adams, Mass. Cover for pots | Oct. 28, 1879 | 1004 | 267 | 16 | 793 |
| 216, 672 | Hall, William E., Chicago, Ill. Husking-pin | June 17, 1879 | 750 | 214 | 15 | 998 |
| 218, 625 | Same.....Husking-glove | Aug. 19, 1879 | 616 | 173 | 16 | 323 |
| 218, 626 | Same.....Husking-implement | Aug. 19, 1879 | 618 | 173 | 16 | 323 |
| 219, 814 | Same.....Glove | Sept. 23, 1879 | 884 | 243 | 16 | 552 |
| 211, 508 | Hall, William H., Brooklyn, N. Y. Railway-track | Jan. 21, 1879 | 509 | 143 | 15 | 68 |
| 8, 929 | Hall, William H., Tiffin, Ohio. Horse hay-rake (Reissue) | Oct. 7, 1879 | 275 | 14 | 16 | 673 |
| 221, 456 | Hall, William S., Boston, Mass. Boot-treeing mechanism | Nov. 11, 1879 | 366 | 101 | 16 | 872 |
| 220, 372 | Halladay, Daniel, Batavia, Ill. Outlet-pipe for railway-tanks | Oct. 7, 1879 | 183 | 48 | 16 | 659 |
| 211, 154 | Hallas, James G., assignor to Benedict & Burnham Manufacturing Company, Waterbury, Conn. Lamp-burner | Jan. 7, 1879 | 86 | 26 | 15 | 12 |
| 215, 916 | Halleck, Samuel P., Oriskany, N. Y. Device for teaching arithmetic | May 27, 1879 | 1086 | 315 | 15 | 864 |
| | Hallett, Granville G. (*See* Low, Michael P., assignor.) | | | | | |
| 222, 898 | Hallinan, John, Euglewood, Ill. Skid | Dec. 23, 1879 | 918 | 264 | 16 | 1167 |
| 213, 898 | Hallock, David, Coxsackie, N. Y. Weighing-scales | Apr. 1, 1879 | 181 | 53 | 15 | 496 |
| 220, 141 | Hallock, Strafford C., Yaphank, N. Y. Snow-plow | Sept. 30, 1879 | 1256 | 345 | 16 | 612 |
| 222, 489 | Hallock, Valentine H., Brooklyn, N. Y. Damper-regulator for steam-boilers | Dec. 9, 1879 | 431 | 123 | 16 | 1077 |
| | Halloran, Henry J. (*See* Halloran, Richard and H. J.) | | | | | |
| 218, 261 | Halloran, Richard and H. J., New York, N. Y. Railway | Aug. 5, 1879 | 174 | 47 | 16 | 244 |
| | Hallstead, Charles S. (*See* Smith & Hallstead.) | | | | | |
| 221, 728 | Halsey, Charles M., San Francisco, Cal. Finger-ring | Nov. 18, 1879 | 685 | 191 | 16 | 924 |
| 214, 649 | Halsey, James T., Altoona, Pa. Railway safety-switch | Apr. 22, 1879 | 1094 | 306 | 15 | 637 |
| 214, 650 | Same.....Railway-switch | Apr. 22, 1879 | 1096 | 307 | 15 | 637 |
| 218, 435 | Halsey, Jonathan G., Ithaca, N. Y. Egg-tester | Aug. 12, 1879 | 380 | 104 | 16 | 282 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Halsey, William H. (*See* Kays & Halsey.) | | | | | |
| 218, 019 | Halsey, William H., Newark, N. J., assignor to Celluloid Manufacturing Company, New York, N. Y. Neck-tie or bow of celluloid | July 29, 1879 | 1248 | 357 | 16 | 201 |
| 211, 845 | Halstead, Charles and F., Brooklyn, N. Y. Stewing-kettle | Feb. 4, 1879 | 22 | 8 | 15 | 129 |
| 219, 857 | Halstead, Charles, New York, N. Y. Coffee apparatus | Sept. 23, 1879 | 922 | 255 | 16 | 558 |
| | Halstead, Francis. (*See* Halstead, Charles and F.) | | | | | |
| 212, 309 | Halvorson, Halvor, assignor to W. Earl, Nashua, N. H., and B. A. Earl, Philadelphia, Pa. Lamp-wick | Feb. 18, 1879 | 564 | 158 | 15 | 204 |
| 213, 415 | Same.....Sun-helmet | Mar. 18, 1879 | 749 | 210 | 15 | 410 |
| 211, 730 | Halvorson, Hans A., Decorah, Iowa. Harvester-dropper | Jan. 28, 1879 | 780 | 219 | 15 | 106 |
| | Ham, Charles T., *et al.* (*See* Olphy, John W., assignor.) | | | | | |
| 214, 128 | Ham, Henry H., jr., Portsmouth, N. H. Mechanical calculator | Apr. 8, 1879 | 474 | 135 | 15 | 539 |
| 215, 057 | Same.....Ship's-bells-indicating clock | May 6, 1879 | 81 | 25 | 15 | 713 |
| 215, 607 | Same.....Calculating attachment for weighing-scales | May 20, 1879 | 741 | 216 | 15 | 811 |
| 214, 251 | Ham, Lemuel M., Boston, Mass. Prison-lock | Apr. 15, 1879 | 624 | 176 | 15 | 568 |
| 220, 607 | Ham, Thomas W., Frosa, Tex. Hand cotton-picker | Oct. 14, 1879 | 462 | 120 | 16 | 705 |
| 218, 814 | Hamachek, Frank. Kewaunee, Wis. Stump-extractor | Aug. 26, 1879 | 842 | 237 | 16 | 364 |
| | Hamaker, David L., *et al.* (*See* Wolf, Augustus and A. N., assignors.) | | | | | |
| 213, 192 | Haman, William H., Philadelphia, Pa. Rocking-chair | Mar. 11, 1879 | 505 | 140 | 15 | 370 |
| 222, 993 | Hambitzer, Joseph, assignor of one-half interest to W. Carswell, Green Bay, Wis. Tea-kettle | Dec. 30, 1879 | 1632 | 296 | 16 | 1193 |
| 216, 792 | Hambruch, Gustav, Berlin, Prussia, Germany. Car-truck | June 24, 1879 | 996 | 258, 259 | 15 | 1028 |
| 212, 461 | Hamburger, Joseph W., New York, N. Y. Rocking-chair | Feb. 18, 1879 | 755 | 208 | 15 | 229 |
| 221, 059 | Hamer, Edward, and J. Metcalfe, Aberystwyth, Cardigan County, and E. Davies, Llandinam, Montgomery County, Great Britain. Injector | Oct. 28, 1879 | 1006 | 267 | 16 | 793 |
| 216, 397 | Hamilton, Alfred, Washington, D. C. Plate-printing machine | June 10, 1879 | 446 | 127 | 15 | 948 |
| | Hamilton, Andrew. (*See* Fleming & Hamilton.) | | | | | |
| 214, 651 | Hamilton, Charles K., jr., Philadelphia, Pa. Paper box | Apr. 22, 1879 | 1097 | 307 | 15 | 637 |
| 223, 134 | Hamilton, Clarence J., Plymouth, Mich. Windmill | Dec. 30, 1879 | 1195 | 338 | 16 | 1215 |
| 222, 271 | Hamilton, Emery M., assignor to C. T. Raynolds & Co., New York, N. Y. Perspective T-square | Dec. 2, 1879 | 176 | 46 | 16 | 1032 |
| 216, 673 | Hamilton, Ezra M., Los Angeles, Cal. Pipe for irrigation | June 17, 1879 | 751 | 214 | 15 | 998 |
| 220, 757 | Hamilton, Ezra M., and C. N. Earl, Los Angeles, Cal. Apparatus for making and laying continuous concrete pipe | Oct. 21, 1879 | 639 | 170 | 16 | 736 |
| 212, 462 | Hamilton, George R., Waynesville, Ohio. Car-coupling | Feb. 18, 1879 | 755 | 208 | 15 | 229 |
| 220, 532 | Hamilton, Gideon, Brooklyn, N. Y. Treating non-feltable animal hair, &c | Oct. 14, 1879 | 370 | 97 | 16 | 693 |
| 220, 533 | Hamilton, Gideon, Brooklyn, N. Y. Treatment of animal hair | Oct. 14, 1879 | 373 | .... | 16 | 693 |
| 215, 917 | Hamilton, James E., New York, N. Y. Attaching electrical switch-wires to binding-posts | May 27, 1879 | 1087 | 316 | 15 | 864 |
| | Hamilton, Joel B. (*See* Preston, Tennis & Hamilton.) | | | | | |
| 222, 492 | Hamilton, John J., assignor of one-half interest to J. W. Stone, Eureka, Ill. Car-jack | Dec. 9, 1879 | 433 | 124 | 16 | 1078 |
| 223, 043 | Hamilton, William, jr., Providence, R. I. Bracelet | Dec. 30, 1879 | 1087 | 309 | 16 | 1201 |
| | Hamilton, William M. (*See* Cox, Arthur W., assignor.) | | | | | |
| 211, 904 | Hamlin, Alpheus, Almonte, Ontario, Canada. Dog-power | Feb. 4, 1879 | 93 | 27 | 15 | 137 |
| | Hamlin, Evelyn B. (*See* Lidren, Christopher, assignor) | (Reissue.) | | | | |
| 219, 087 | Hamlin, George B., Willimantic, Conn. Vehicle-spring | Sept. 2, 1879 | 36 | 11 | 16 | 417 |
| 213, 046 | Hamlin, George M., Lockport, N. Y. Package for cotton batting | Mar. 11, 1879 | 331 | 93 | 15 | 348 |
| 219, 578 | Hamm, Edwin, assignor to T. H. Conderman, trustee, Philadelphia, Pa. Machine for sewing boots and shoes | Sept. 16, 1879 | 596 | 166 | 16 | 504 |
| 221, 058 | Hammans, George, Gosport, Iowa. Cultivator | Oct. 28, 1879 | 1005 | 267 | 16 | 793 |
| 220, 608 | Hammer, Aaron T., Sedan, Kans. Sewing-machine motor | Oct. 14, 1879 | 463 | 121 | 16 | 705 |
| 217, 280 | Hammerschlag, Siegfried, Jersey City, N. J. Waxing paper | July 8, 1879 | 401 | 118 | 16 | 63 |
| | Hammett, Allen W. (*See* Drake & Hammett.) | | | | | |
| | Hammonasset Sole Leather Company. (*See* Tinnerholm, Charles J., assignor.) | | | | | |
| 220, 973 | Hammond, Edwin N., Maple Valley, Mich. Lath-bunching machine | Oct. 28, 1879 | 902 | 241 | 16 | 780 |
| 219, 256 | Hammond, George H., Detroit, Mich. Refrigerator | Sept. 2, 1879 | 232 | 66 | 16 | 441 |
| | Hammond, Joseph C. (*See* King & Hammond.) | | | | | |
| 215, 608 | Hammond, Thomas B., and W. H. H. Stevenson, Baltimore, Md. Fruit-drier | May 20, 1879 | 742 | 216 | 15 | 811 |
| | Hammond, William, *et al.* (*See* Putnam, George W., assignor.) | | | | | |
| 222, 490 | Hampton, John B., Pomeroy, Ohio. Swivel for bridle-rein loops | Dec. 9, 1879 | 432 | 123 | 16 | 1077 |
| 222, 491 | Same..... Snap-hook | Dec. 9, 1879 | 433 | 123 | 16 | 1077 |
| | Hance, Archibald. (*See* Hornum, William H., assignor.) | | | | | |
| 211, 399 | Hance, Archibald, New York, N. Y. Whiffletree | Jan. 14, 1879 | 382 | 109 | 15 | 49 |
| 217, 281 | Hanckel, Charles F., Charleston, S. C. Window-bead fastener | July 8, 1879 | 401 | 118 | 16 | 63 |
| 220, 143 | Hancock, Adam, assignor to self and T. N. Cook, Saint Albans, W. Va. Feed-cutter | Sept. 30, 1879 | 1259 | 346 | 16 | 613 |
| | Hancock, Clinton C., *et al.* (*See* Laverty, William A., assignor.) | | | | | |
| | Hancock, Cyrus J. (*See* Judson & Hancock.) | | | | | |
| | Hancock Inspirator Company. (*See* Park, William R., assignor.) | | | | | |
| | Same..... same | (Reissue). | | | | |
| 219, 465 | Hancox, Eli, Troy, N. Y. Lap-ring | Sept. 9, 1879 | 474 | 131 | 16 | 480 |
| | Hand, Alexander S. (*See* Partlow, David T., assignor.) | | | | | |
| 214, 908 | Hand, George Hatborough, Pa. Cooking-vessel | Apr. 29, 1879 | 1595 | 388 | 15 | 683 |
| 211, 996 | Handforth, Benjamin, Hoboken, N. J. Shade-fixture | Feb. 4, 1879 | 197 | 56 | 15 | 151 |
| | Handren, John W., *et al.* (*See* Dickey, William D., assignor.) | | | | | |
| 222, 697 | Hanes, Clark, Wheeling, W. Va. Combined fire-place damper-plate and arch-bar | Dec. 16, 1879 | 687 | 197 | 16 | 1123 |
| 215, 609 | Hanford, Winfield S., 2d, East Norwalk, Conn. Coil-holder for ropes | May 20, 1879 | 744 | 216 | 15 | 811 |
| | Hanft, Sebastian V. (*See* Schnell, Robert, assignor.) | | | | | |
| 213, 193 | Hanger, James E., Churchville, Va. Fly-fan attachment for tables | Mar. 11, 1879 | 506 | 140 | 15 | 370 |
| 221, 812 | Hankey, Anthony, Leicester, Mass. Bed-plate for paper-mill rag-engines | Nov. 18, 1879 | 791 | 220 | 16 | 938 |
| | Hanks, Oscar. (*See* Wilson, Birnbaum & Hanks.) | | | | | |
| 217, 941 | Hanks, Samuel S., Princeton, Iowa. Road-engine | July 29, 1879 | 1164 | 333, 334 | 16 | 190 |
| 220, 829 | Hanley, Timothy, Boston Highlands, Mass. Lawn-edge mower | Oct. 21, 1879 | 723 | 191 | 16 | 747 |
| 214, 653 | Hann, Edmund P., and M. B. Atkinson, assignors of three-fifths interest to G. W. Decker, Georgetown, W. Cammack, Washington, D. C., and A. M. Hall, Alexandria, Va. Grain-scouring machine | Apr. 22, 1879 | 1099 | 308 | 15 | 637 |
| | Hanna, George V. (*See* Barnard & Hanna.) | | | | | |
| 220, 475 | Hannaford, William H., Lake, Ill. Boot and shoe | Oct. 14, 1879 | 304 | 81 | 16 | 685 |
| | Hannay, Peter. (*See* Price, William H., assignor.) | | | | | |
| | Hannibal Meat Company (limited). (*See* Perkins & Brown, assignors.) | | | | | |
| | Same..... same | (Reissue). | | | | |
| | Hansell, David H. (*See* Woodruff, Charles D., assignor.) | | | | | |
| 212, 688 | Hansell, Walter P., Pittsburg, Pa. Vehicle-spring | Feb. 25, 1879 | 1016 | 282 | 15 | 272 |
| 213, 899 | Same.....Street-car | Apr. 1, 1879 | 183 | 53 | 15 | 496 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 217, 096 | Hansen, Johan, San Francisco, Cal. Griping device for wire-rope railways | July 1, 1879 | 194 | 56 | 16 | 27 |
| | Hansford, William R. (*See* Byram & Hansford.) | | | | | |
| 218, 878 | Hanshaw, Chauncey, Dryden, N. Y. Railway-tie | Aug. 26, 1879 | 925 | 259 | 16 | 375 |
| 218 962 | Hansler, John B., Jersey City, N. J. Ice-boom | Aug. 26, 1879 | 1009 | 284 | 16 | 387 |
| 212, 095 | Hanson, Charles, assignor of one-half interest to J. G. Wells, Moline, Ill. Faucet-hole cover for ice-boxes | Feb. 11, 1879 | 318 | 87 | 15 | 168 |
| 219, 257 | Hanson, Francis G., Brooklyn, N. Y. Tip-lining for hats | Sept. 2, 1879 | 233 | 66 | 16 | 441 |
| | Hanson, Franklin S. (*See* Bühler & Pye, assignors.) | | | | | |
| 214, 652 | Hanson, Freeman, Hollis, Me. Wood-turning machine | Apr. 22, 1879 | 1097 | 307 | 15 | 637 |
| 217, 369 | Same.....Horse hay-rake | July 8, 1879 | 497 | 144 | 16 | 75 |
| 218, 877 | Same.....Jack-screw | Aug. 26, 1879 | 924 | 258 | 16 | 375 |
| 221, 303 | Same.....Scalloping-machine | Nov. 4 1879 | 178 | 48, 49, 50 | 16 | 837 |
| 221, 552 | Same.....Turning-chisel | Nov. 11, 1879 | 488 | 134 | 16 | 888 |
| | Hanson, Henry, *et al.* (*See* Morrell, John, assignor.) | | | | | |
| 211, 628 | Hanvey, Thomas, Rochester, N. Y. Manufacture of wooden barrels | Jan. 28, 1879 | 661 | 186 | 15 | 91 |
| 211, 569 | Hapgood, Andrew S., assignor to self and L. A. Cobb, South Waterford, Me. Edging and planing machine | Jan. 21, 1879 | 577 | 163 | 15 | 77 |
| | Hapgood & Co. (*See* Black & Pates, assignors.) | | | | | |
| | Same.....(*See* Pates, Thomas, assignor.) | | | | | |
| 211, 235 | Harbaugh, Winfield, Alameda, Cal. Device for obtaining miter-bevels | Jan. 7, 1879 | 172 | 51 | 15 | 23 |
| | Harbison, H. L., *et al.* (*See* Maguire, George W., assignor.) | | | | | |
| 216, 279 | Hard, Abner, Aurora, Ill. Thill-coupling | June 10, 1879 | 296 | 87 | 15 | 929 |
| 219, 088 | Hardcastle, William R., assignor of one-half interest to A. B. Ewing, Saint Louis, Mo. Rail-joint | Sept. 2, 1879 | 37 | 11, 12 | 16 | 417 |
| | Hardee, Frank P. (*See* Buckman, Alexander, assignor.) | | | | | |
| | Harder, Minard. (*See* Lawyer, Livingston S., assignor.) | | | | | |
| 218, 526 | Hardgrave, Cager, Clarksville, Ark. Cultivator | Aug. 12, 1879 | 499 | 137 | 16 | 297 |
| 218, 527 | Same.....same | Aug. 12, 1879 | 490 | 137 | 16 | 297 |
| 215, 198 | Hardie, Robert, and J. James, assignors to Pneumatic Tramway Engine Company, New York, N. Y. Street-car | May 6, 1879 | 246 | 72 | 15 | 733 |
| 216, 611 | Same.....Compressed-air engine | June 17, 1879 | 690 | 197 | 15 | 990 |
| | Harding, George F. (*See* Herrick, John P., assignor.) | | | | | |
| 217, 190 | Harding, Thomas W., Leeds, York County, Great Britain. Rag-machine | July 1, 1879 | 197 | 57 | 16 | 27 |
| 222, 627 | Hardy, Dexter D., Delavan, Ill., assignor of one-half interest to Q. Orendorff. Magnetic grain-separator | Dec. 16, 1879 | 606 | 173 | 16 | 1111 |
| 220, 534 | Hardy, Orlando B., Akron, Ohio. Blasting-powder | Oct. 14, 1879 | 374 | ..... | 16 | 693 |
| 216, 400 | Hardy, Thomas P., Marion, N. J., assignor to P. P. Keller, New York, N. Y. Steam-radiator | June 10, 1879 | 452 | 129 | 15 | 949 |
| | Hardy, William L. (*See* Herron & Hardy.) | | | | | |
| 229, 238 | Harford, John H., assignor to self and L. V. Mooney, Indianapolis, Ind. Whiffletree-clip | Oct. 7, 1879 | 33 | 9 | 16 | 639 |
| 217, 372 | Hargrave, Benjamin H., Gallatin, Tenn. Fence | July 8, 1879 | 499 | 145 | 16 | 76 |
| 214, 829 | Haring, John C., Jersey City, N. J. Pencil-case | Apr. 29, 1879 | 1301 | 363 | 15 | 670 |
| 218, 263 | Harker, John, Dorchester, N. J. Self-acting scupper-valve | Aug. 5, 1879 | 176 | 47 | 16 | 244 |
| 219, 949 | Harker, Lewis A., assignor of one-half interest to T. E. Collins, Columbus, Ohio. Sectional pattern for casting door-plates | Sept. 23, 1879 | 1016 | 282 | 16 | 571 |
| 220, 830 | Harlin, George C., and F. N. Byram, Sigourney, Iowa. Car-coupling | Oct. 21, 1879 | 724 | 192 | 16 | 747 |
| 211, 400 | Harlin, John, New York, N. Y., and J. Yule, Paterson, N. J., assignors to McNab & Harlin Manufacturing Company, New York, N. Y. Locking device for stop-cocks | Jan. 14, 1879 | 383 | 109 | 15 | 49 |
| 215, 058 | Harlow, Lucius, Holyoke, Mass. Machine for feeding paper sheets | May 6, 1879 | 82 | 25 | 15 | 713 |
| 222, 272 | Harmon, William, assignor of one-half interest to Z. T. Eberbach, Washington, D. C. Game-board | Dec. 2, 1879 | 177 | 46 | 16 | 1032 |
| | Harmon, Zebulon K. (*See* Bradford, Julien M., assignor.) | | | | | |
| | Harmonic Telegraph Company. (*See* Gray, Elisha, assignor).....(Reissue). | | | | | |
| 212, 220 | Harmount, George A., assignor to New Haven Clock Company, New Haven, Conn. Clock-dial | Feb. 11, 1879 | 460 | 127 | 15 | 187 |
| 213, 194 | Harmstead, Joseph B., San Francisco, Cal. Nozzle for hardening dies | Mar. 11, 1879 | 507 | 141 | 15 | 370 |
| 217, 997 | Harnisch, George M., Beecher, Ill. Buckle | July 1, 1879 | 195 | 56 | 16 | 27 |
| 217, 098 | Same..... Trace-buckle | July 1, 1879 | 196 | 56 | 16 | 27 |
| 214, 654 | Harper, Adam, Boswell, Ind. Trap attachment with corn-cribs | Apr. 22, 1879 | 1100 | 308 | 15 | 637 |
| | Harper, James H., *et al.* (*See* Powell, John B., assignor.) | | | | | |
| 211, 401 | Harper, James M., El Paso, Ill. Base for stove-legs | Jan. 14, 1879 | 384 | 110 | 15 | 50 |
| 217, 793 | Same.....Base for stoves | July 22, 1879 | 987 | 282 | 16 | 160 |
| 215, 121 | Harper, John, Duncannon, Pa. Packing-ring for piston-heads | May 6, 1879 | 165 | 47 | 15 | 722 |
| 8, 571 | Harpster, Samuel, deceased, assignor, by mesne assignments, to F. B. Hunt, Richmond, Ind. Corn-planter.....(Reissue) | Feb. 4, 1879 | 306 | 83 | 15 | 164 |
| 217, 458 | Harrigan, Dennis, Somerville, Mass., assignor of one-half interest to J. F. Crockett, Laconia, N. H. Exhaust-pipe for locomotives | July 15, 1879 | 605 | 173 | 16 | 101 |
| 217, 459 | Same.....Tip for exhaust-pipes for locomotives | July 15, 1879 | 606 | 173 | 16 | 101 |
| 214, 035 | Harrington, David, Worcester, Mass. Metal-drilling machine | Apr. 8, 1879 | 352 | 100 | 15 | 526 |
| 219, 356 | Harrington, Edward F., Boston, Mass. Cork-cutting machine | Sept. 9, 1879 | 352 | 100 | 16 | 465 |
| 220, 144 | Harrington, Edwin, assignor to E. Harrington & Son, Philadelphia, Pa. Hoisting-pulley apparatus | Sept. 30, 1879 | 1260 | 346 | 16 | 613 |
| 220, 237 | Harrington, John, Ryde, Isle of Wight. Artificial leather | Oct. 7, 1879 | 33 | ..... | 16 | 639 |
| 219, 397 | Harrington, John R., Brooklyn, N. Y. Muffling contrivance for elevated railways | Sept. 9, 1879 | 400 | 112 | 16 | 471 |
| | Harrington, Samuel H. (*See* Taylor, Henry, assignor.) | | | | | |
| | Harrington & Son, Edwin. (*See* Harrington, Edwin, assignor.) | | | | | |
| | Same.....(*See* Haskins & Landram, assignors.) | | | | | |
| 216, 271 | Harrington, William H., and A. B. Merrill, Cambridge, Mass. Plow | June 10, 1879 | 297 | 87 | 15 | 929 |
| 216, 087 | Harris, Abraham B., Speedwell, Va. Horse-collar | June 3, 1879 | 87 | 25 | 15 | 896 |
| 215, 738 | Harris, Albert, assignor of one-half interest to S. Harris, New York, N. Y. Glove | May 27, 1879 | 885 | 259 | 15 | 838 |
| | Harris, Benjamin G., *et al.* (*See* Egerton, C. Calvert, assignor.) | | | | | |
| | Same.....(*See* Hazelip, Joseph N., assignor.) | | | | | |
| | Harris, Charles P. (*See* Packard & Harris.) | | | | | |
| 221, 962 | Harris, Elijah, Princeton, Ill., assignor to B. F. Babcock, L. D. Cleaveland, and J. H. Rea. Curry-comb | Nov. 25, 1879 | 980 | 274 | 16 | 972 |
| 216, 612 | Harris, George W., and A. L. Allen, Poughkeepsie, N. Y. Process and apparatus for the manufacture of gas | June 17, 1879 | 691 | 198 | 15 | 990 |
| 220, 476 | Harris, Hart, Petrolia, Pa. Device for extracting or splitting the tubular casings of oil-wells | Oct. 14, 1879 | 305 | 81 | 16 | 685 |
| | Harris, James. (*See* Owens, John L., assignor).....(Reissue.) | | | | | |
| 212, 310 | Harris, John T., New York, N. Y. Manufacture of tobacco | Feb. 18, 1879 | 565 | ..... | 15 | 204 |
| 213, 416 | Harris Levi, Kalamazoo, Mich. Thill-coupling | Mar. 18, 1879 | 750 | 211 | 15 | 410 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Harris Manufacturing Company. (*See* Cobb, Samuel C., assignor.) | | | | | |
| 215, 918 | Harris, Milo, Jamestown, N. Y. Farm-truck or draft attachment for plows or harrows. | May 27, 1879 | 1088 | 316 | 15 | 864 |
| 222, 352 | Harris, Orrin C., Newport, N. Y. Steam road-wagon | Dec. 9, 1879 | 272 | 75, 76 | 16 | 1056 |
| 217, 282 | Harris, Robert S., Dubuque, Iowa. Cultivator | July 8, 1879 | 402 | 119 | 16 | 63 |
| | Harris, Siegmund. (*See* Harris, Albert, assignor.) | | | | | |
| 214, 562 | Harris, Silas, San Francisco, Cal. Harrow | Apr. 22, 1879 | 1003 | 282 | 15 | 625 |
| 218, 173 | Same.....same | Aug. 5, 1879 | 77 | 29 | 16 | 231 |
| | Harris & Sons Manufacturing Company, S. (*See* Cook, Charles C., assignor.) | | | | | |
| 213, 195 | Harris, Stephen O. R., Wilsonville, Kans. Churn | Mar. 11, 1879 | 508 | 141 | 15 | 370 |
| 220, 611 | Harris, Thomas C., Iola, Kans. Churn | Oct. 14, 1879 | 465 | 121 | 16 | 705 |
| 211, 997 | Harris, Venendo P., Greensburg, Ind. Vapor-burner | Feb. 4, 1879 | 198 | 56 | 15 | 152 |
| 216, 398 | Same.....Ventilation for mills, &c | June 10, 1879 | 450 | 128 | 15 | 949 |
| | Harris, William H. (*See* Stevens, John L., assignor.) | | | | | |
| 219, 258 | Harrison, Abraham, Brenham, Tex. Cloth-register | Sept. 2, 1879 | 234 | 67 | 16 | 441 |
| 8, 731 | Harrison, Alfred C., Philadelphia, Pa. Damper-regulator for steam-boilers..(Reissue).. | June 3, 1879 | 257 | 76 | 15 | 917 |
| 214, 655 | Same.....Regulating device for steam-boilers | Apr. 22, 1879 | 1101 | 308 | 15 | 637 |
| 214, 656 | Same.....Damper-regulator for steam-boilers | Apr. 22, 1879 | 1102 | 308 | 15 | 637 |
| | Harrison Brothers & Co. (*See* Harrison, Thomas S., assignor.) | | | | | |
| | Same.....(*See* Laur. Francis, assignor.) | | | | | |
| 214, 036 | Harrison, Charles R., Fond du Lac, Wis. Postal car | Apr. 8, 1879 | 353 | 101 | 15 | 526 |
| 219, 155 | Same.....same | Sept. 2, 1879 | 108 | 32 | 16 | 426 |
| 216, 272 | Harrison, Edlow W., Jersey City, N. J. Snow-plow | June 10, 1879 | 298 | 87, 88 | 15 | 929 |
| 213, 285 | Harrison, Edward D., Galva, Ill. Dump for elevating and unloading wagons | Mar. 18, 1879 | 619 | 174 | 15 | 392 |
| 212, 139 | Harrison, Edward Y., Avoca, Victoria. Machinery for pulverizing and amalgamating ores | Feb. 11, 1879 | 372 | 101 | 15 | 176 |
| 211, 155 | Harrison, Harry C., Eureka, Nev. Device for preventing overwinding of ropes on shafts, &c | Jan. 7, 1879 | 87 | 26 | 15 | 12 |
| | Harrison, Henry M., *et al.* (*See* Dyer, James M., assignor.) | | | | | |
| | Harrison, John J., *et al.* (*See* Harrison, Jonathan W., assignor.) | | | | | |
| 217, 531 | Harrison, John N., and F. B. Lewis, Rochester; said Harrison assignor to C. G. Austin, Lockport, N. Y. Combined hedge and pruning shears | July 15, 1879 | 682 | 194 | 16 | 111 |
| | Harrison, John W., *et al.* (*See* Shickle, Frederick, assignor.) | | | | | |
| | Same.....same.....(Reissue.) | | | | | |
| 219, 090 | Harrison, Jonathan W., assignor of two-thirds interest to J. J. Harrison and O. Butler, Wayne, Mich. Coal-mining machine | Sept. 2, 1879 | 38 | 12 | 16 | 417 |
| | Harrison Patent Car Axle Company. (*See* Sproul & Faught, assignors.) | | | | | |
| 217, 371 | Harrison, Regina, Columbus, Miss. Watering-dipper | July 8, 1879 | 498 | 144 | 16 | 75 |
| 216, 848 | Harrison, Samuel T., San José, Cal. Magazine fire-arm | June 24, 1879 | 971 | 276 | 15 | 1036 |
| 217, 460 | Harrison, Thomas S., assignor to Harrison Brothers & Co., Philadelphia, Pa. Manufacture of aluminous cake | July 15, 1879 | 607 | ..... | 16 | 101 |
| 218, 734 | Harrison, Thomas T., Aubrey, Kans. Sulky-plow | Aug. 19, 1879 | 725 | 206, 207 | 16 | 338 |
| 213, 108 | Harrison, William E., Fort Madison, Iowa. Nursery-chair | Mar. 11, 1879 | 411 | 114 | 15 | 357 |
| | Harrison, William H. (*See* Dennis, Mary A., assignor.) | | | | | |
| 212, 552 | Harrison, William H., Newark, N. J. Picture-frame clamp | Feb. 25, 1879 | 878 | 243 | 15 | 254 |
| 221, 407 | Harrison, William H., Clinton, Ill., assignor of one-half interest to G. W. Porter. Broiler | Nov. 11, 1879 | 315 | 86 | 16 | 865 |
| | Harrod, William. (*See* Bayliff & Harrod.) | | | | | |
| 218, 264 | Harrop, Benjamin B., Harrisburg, Tex. Blow-off cock | Aug. 5, 1879 | 177 | 47 | 16 | 244 |
| 214, 386 | Hart, Abner, Ogden, Ill. Washing-machine | Apr. 15, 1879 | 793 | 222 | 15 | 590 |
| 218, 172 | Hart, Alexander H., assignor of one-half interest to A. Sidmore and A. A. Babcock, Appleton, Wis. Portable fence and gate | Aug. 5, 1879 | 76 | 20 | 16 | 231 |
| 216, 324 | Hart, Clinton, Cleveland, Ohio. Steam-radiator | June 10, 1879 | 363 | 104 | 15 | 937 |
| 216, 953 | Same.....Upright tubular boiler | July 1, 1879 | 29 | 9 | 16 | 6 |
| | Hart, Ferdinand A., *et al.* (*See* Sudlow, Charles A., assignor.) | | | | | |
| 218, 735 | Hart, George E., Newark, N. J., assignor to Hornum Patent Register Manufacturing Company. Fare-register | Aug. 19, 1879 | 726 | 207 | 16 | 339 |
| 215, 351 | Hart, Gilbert, Detroit, Mich. Grinding and polishing wheel | May 13, 1879 | 439 | 131 | 15 | 762 |
| 219, 089 | Hart, Hial B., assignor to Hopkins & Robinson Manufacturing Company, Akron, Ohio. Wagon-jack | Sept. 2, 1879 | 38 | 12 | 16 | 417 |
| 214, 129 | Hart, Horace, Little Valley, N. Y. Burglar-alarm | Apr. 8, 1879 | 475 | 135 | 15 | 540 |
| | Hart, James M., *et al.* (*See* McConoughey, Hulbert N., assignor).....(Reissue.) | | | | | |
| 220, 974 | Hart, James M., Grant, Iowa. Check-row corn-planter | Oct. 28, 1879 | 903 | 242 | 16 | 780 |
| 215, 352 | Hart, Joel T., Greenwood, Mo. Churning apparatus | May 13, 1879 | 440 | 131 | 15 | 762 |
| 219, 466 | Hart, Lewis B., Hope Villa, La. Apparatus for defecating cane-juice | Sept. 9, 1879 | 474 | 132 | 16 | 480 |
| 219, 467 | Hart, Reuben, and M. P. Nicholson, Santa Maria, Cal. Gang-plow | Sept. 9, 1879 | 475 | 132 | 16 | 480 |
| | Hart, Samuel L. (*See* Cookson & Hart.) | | | | | |
| 221, 408 | Hart, Stacy B., Peoria, Ill. Grain-drill | Nov. 11, 1879 | 316 | 86 | 16 | 865 |
| 216, 674 | Hart, William, Berea, Ky. Butter-stamp | June 17, 1879 | 752 | 215 | 15 | 998 |
| 217, 101 | Hart, William, Kirksville, Mo. Hammer for posting bills and cards | July 1, 1879 | 198 | 57 | 16 | 28 |
| 215, 739 | Hart, William H., assignor to Stanley Works, Britain, Conn. Lifting-handle | May 27, 1879 | 886 | 259 | 15 | 839 |
| 218, 436 | Hart, William H., New Britain, Conn. Hinge | Aug. 12, 1879 | 381 | 105 | 16 | 282 |
| 216, 399 | Same.....same | June 10, 1879 | 451 | 128, 129 | 15 | 949 |
| 220, 610 | Hart, William H., jr., and J. C. Gaither, Philadelphia, Pa. Neck-wear pin | Oct. 14, 1879 | 465 | 121 | 16 | 705 |
| 214, 773 | Hartel, Jacob, jr., and C. Wolgast, jr., Amherst, N. Y. Lock for doors | Apr. 29, 1879 | 1244 | 348 | 15 | 663 |
| | Harter, M. D., executor. (*See* Allonas, Joseph.) | | | | | |
| | Hartig, Heinrich. (*See* Eichler & Hartig.) | | | | | |
| | Hartley, George W. (*See* Swartout & Hartley.) | | | | | |
| 219, 579 | Hartley, John W., Stoke-upon-Trent, England, assignor to self and J. R. Alsing, Stockholm, Sweden. Manufacture of tiles and slabs | Sept. 16, 1879 | 597 | 167 | 16 | 505 |
| 211, 846 | Hartley, Roger, Union Township, Allegheny County, Pa., assignor to J. Mullens, Wooster, Ohio, and A. W. Boyd, Allegheny City, Pa. Apparatus for assorting and washing coal | Feb. 4, 1879 | 23 | 8 | 15 | 129 |
| | Hartley, William B. (*See* Wilson & Hartley.) | | | | | |
| 220, 609 | Hartley, William B., Washington, D. C. Spice-caddy | Oct. 14, 1879 | 464 | 121 | 16 | 705 |
| 8, 958 | Hartman, Alexander, Murfreesborough, Tenn., assignor, by mesne assignments, to S. S. White, Philadelphia, Pa. Dental drill.....(Reissue).. | Nov. 4, 1879 | 285 | 77 | 16 | 852 |
| 214, 909 | Hartman, Benjamin J., Wooster, Ohio. Harness-saddle | Apr. 29, 1879 | 1396 | 388 | 15 | 683 |
| 222, 133 | Hartman, Duncan C., Baltimore, Md. Deodorizing-commode | Dec. 2, 1879 | 17 | 5 | 16 | 1011 |
| 217, 099 | Hartman, Franklin, Flowerfield, Mich. Combined horse-collar and hames | July 1, 1879 | 196 | 56 | 16 | 27 |
| 222, 899 | Hartman, Henry, Fort Douglas, Utah. Carbine-holder | Dec. 23, 1879 | 919 | 264 | 16 | 1167 |
| 211, 236 | Hartman, John, jr., Philadelphia, Pa. Coffee-pot | Jan. 7, 1879 | 173 | 51 | 15 | 23 |
| 219, 720 | Hartman, John J., Saint Louis, Mo. Automatic hatch-cover | Sept. 16, 1879 | 761 | 210 | 16 | 527 |
| 214, 293 | Hartman, John M., Philadelphia, Pa. Gas-washer | Apr. 15, 1879 | 673 | 188 | 15 | 575 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214, 294 | Hartman, John M., Philadelphia, Pa. Regenerative hot-blast oven | Apr. 15, 1879 | 674 | 189 | 15 | 576 |
| 219, 858 | Hartman, Robert, and H. I. McConnell, Atlanta, Ga. Medical compound | Sept. 23, 1879 | 923 | ..... | 16 | 558 |
| | Hartmann, Bernhard. (*See* Hartmann, Hubert H. and B.) | | | | | |
| 222, 040 | Hartmann, Ernest L., assignor to T. Cunningham, H. B. Lincoln, G. and L. Brown, F. P. Pendleton, and H. E. Cunningham, Philadelphia, Pa. Friction clutch and coupling | Nov. 25, 1879 | 1058 | 295 | 16 | 983 |
| 222, 493 | Hartmann, Ernst L., and M. Braun, Philadelphia, Pa. Lawn-mower | Dec. 9, 1879 | 434 | 124 | 16 | 1078 |
| 215, 353 | Hartmann, Hubert H. and B., Belleville, Ill. Case for bottles | May 13, 1879 | 441 | 131 | 15 | 762 |
| | Hartmann, William C. (*See* Bates & Hartmann.) | | | | | |
| 218, 262 | Hartnedy, Martin M. A., Steubenville, Ohio. Pyx | Aug. 5, 1879 | 175 | 47 | 16 | 244 |
| 218, 021 | Hartnett, John, Saint Louis, Mo., assignor of one-half interest to S. Pettibone, Niagra Falls, N. Y. Expansible core for rolls of paper | July 29, 1879 | 1251 | 357, 358 | 16 | 201 |
| 221, 813 | Hartsel, Jacob, Big Lick, N. C. Machine for sharpening cotton-gin saws | Nov. 18, 1879 | 792 | 220 | 16 | 938 |
| 218, 020 | Hartshorn, Henry M., Malden, Mass. Manufacturing glucose | July 29, 1879 | 1249 | ..... | 16 | 201 |
| 218, 879 | Same.....Press for expressing liquids from substances | Aug. 26, 1879 | 925 | 259 | 16 | 375 |
| 220, 023 | Same.....Manufacturing malt liquors | Sept. 30, 1879 | 1111 | ..... | 16 | 592 |
| 215, 919 | Hartson, La Fayette, Wyoming, Iowa. Grain steamer and drier | May 27, 1879 | 1089 | 316 | 15 | 864 |
| 217, 370 | Hartsook, John, Sparta, Ill. Barrel-hoop | July 8, 1879 | 497 | 144 | 16 | 75 |
| 215, 000 | Hartz, Henry V., Cleveland, Ohio. Whirligig | May 6, 1879 | 20 | 7 | 15 | 705 |
| 222, 587 | Hartzheim, John, New York, N. Y. Bush for barrels | Dec. 16, 1879 | 554 | 158 | 16 | 1104 |
| | Harvey, Alfred, *et al.* (*See* Thurber, Milton R., assignor.) | | | | | |
| 213, 653 | Harvey, Andrew, Detroit, Mich. Accessible joint, valve, and trap protector for underground pipes | Mar. 25, 1879 | 1008 | 287 | 15 | 452 |
| 221, 060 | Harvey, Charles F., Van Buren, Ark. Rein-holder | Oct. 28, 1879 | 1007 | 267 | 16 | 794 |
| 220, 374 | Harvey, Egbert H., and H. C. Martell, Romeo, Mich. Carriage-dash frame | Oct. 7, 1879 | 184 | 49 | 16 | 660 |
| 221, 729 | Harvey, Hayward A., Orange, N. J. Screw-nail | Nov. 18, 1879 | 686 | 192 | 16 | 924 |
| 211, 570 | Harvey, Moses B., Leavenworth, Kans. Air-compressor | Jan. 21, 1879 | 579 | 163 | 15 | 77 |
| 218, 528 | Same..... Compound steam-engine | Aug. 12, 1879 | 491 | 137 | 16 | 297 |
| | Harvey, Richard C. (*See* Tatum & Harvey.) | | | | | |
| | Harvey, Thomas R. E. (*See* Pulliam, Luther, assignor.) | | | | | |
| 214, 657 | Harvey, Washington L., assignor to self and D. Dugger, Danville, Va. Car-coupling | Apr. 22, 1879 | 1103 | 309 | 15 | 637 |
| | Harwood, Joseph A., *et al.* (*See* Glover, Robert, assignor.) | | | | | |
| | Harwood, Mahnm, *et al.* (*See* Glover, Robert, assignor.) | | | | | |
| | Harwood & Quincy. (*See* Bramwell, William C., assignor.) | | | | | |
| 214, 563 | Harwood, T. T. Hunter, Detroit, Mich. Convertible skate | Apr. 22, 1879 | 1004 | 282 | 15 | 625 |
| 212, 600 | Harz, William, Brooklyn, N. Y. Combined speculum and syringe | Feb. 25, 1879 | 933 | 258 | 15 | 261 |
| 218, 627 | Hasdenteufel, Friedrich, Iserlohn, Germany. Coffee-mill | Aug. 19, 1879 | 619 | 174 | 16 | 323 |
| | Hasenclever, Robert. (*See* Helbig & Hasenclever.) | | | | | |
| 219, 259 | Hasie, Montague S., Vicksburg, Miss. Cotton-cleaner | Sept. 2, 1879 | 235 | 67 | 16 | 442 |
| 217, 847 | Haskell, Freeman, Chelsea, assignor to A. Eastman, Boston, Mass. Globe-valve | July 22, 1879 | 1048 | 299 | 16 | 168 |
| | Haskell, George B. (*See* Godfrey & Haskell.) | | | | | |
| 214, 252 | Haskell, John W. C., Chicago, Ill. Trunk-lock guard | Apr. 15, 1879 | 625 | 176 | 15 | 569 |
| | Haskell, William H. (*See* Webb, George H., assignor.) | | | | | |
| | Haskell, William P. (*See* Gallagher, Patrick, assignor.) | | | | | |
| 221, 457 | Haskin, Ozro, Cambria, Cal. Reversible plow | Nov. 11, 1879 | 368 | 101 | 16 | 872 |
| | Haskin, Samuel E. (*See* Robbins, Louis S., assignor.) | | | | | |
| 220, 074 | Haskins, Harry S., and J. D. Landram, assignors to D. Harrington & Son, Philadelphia, Pa. Device for bending hooks | Sept. 30, 1879 | 1182 | 325 | 16 | 602 |
| 211, 629 | Haskins, John, South Framingham, Mass. Rubber shoe | Jan. 28, 1879 | 662 | 186 | 15 | 91 |
| 211, 156 | Haskins, Joseph T., Rockport, Mass. Rocker-shield for chairs | Jan. 7, 1879 | 87 | 27 | 15 | 12 |
| 211, 731 | Haskins, Myron D., Guerneville, Cal. Diaphragm for ore-roasting furnaces | Jan. 28, 1879 | 781 | 219 | 15 | 107 |
| 221, 916 | Haslett, Sullivan, Brooklyn, N. Y. Surveyor's target | Nov. 25, 1879 | 921 | 258 | 16 | 966 |
| 215, 122 | Hass, John, Elkhart, Ind. Clothes-pounder | May 6, 1879 | 166 | 47 | 15 | 722 |
| 219, 721 | Hassall, William S., assignor to E. Hutchinson, Philadelphia, Pa. Burial-casket | Sept. 16, 1879 | 762 | 211 | 16 | 527 |
| | Hassell, Angell J. (*See* Frazee, Fisher & Hassell.) | | | | | |
| 216, 613 | Hassell, Otto, Heidelberg, Germany. Manufacture of artificial fuel | June 17, 1879 | 693 | ..... | 15 | 990 |
| 220, 975 | Hassell, Richard L., Chicago, Ill. Scale-weight | Oct. 28, 1879 | 905 | 242 | 16 | 780 |
| 218, 437 | Hasselman, Lewis W., Indianapolis, Ind. Grain-separator | Aug. 12, 1879 | 382 | 105 | 16 | 282 |
| | Hasselman, Watson J., *et al.* (*See* Taylor, James, assignor.) | | | | | |
| 221, 917 | Hassenpflug, Henry, Huntingdon, Pa. Velocipede | Nov. 25, 1879 | 923 | 258, 259 | 16 | 966 |
| 220, 375 | Hastie, John, Greenock, Renfrew County, Scotland. Self-adjusting crank | Oct. 7, 1879 | 185 | 49 | 16 | 660 |
| 214, 658 | Hastings, Charles, Bradford, England. Finishing yarns | Apr. 22, 1879 | 1104 | 309 | 15 | 637 |
| | Hastings, Harry O., *et al.* (*See* Cooper, John H., assignor.) | | | | | |
| | Hastings, John V., *et al.* (*See* Cooper, John H., assignor.) | | | | | |
| | Hastings, Louis E. (*See* Brown, Freeman, assignor.) | | | | | |
| | Same.....(*See* Ordway, Albert H., assignor.) | | | | | |
| | Hastings, Michael. (*See* Tregoning & Hastings.) | | | | | |
| | Hastings, Robert E., *et al.* (*See* Cooper, John H., assignor.) | | | | | |
| 212, 929 | Haswell, Alanson M., North Springfield, Mo. Hand corn-planter | Mar. 4, 1879 | 188 | 52 | 15 | 320 |
| 222, 906 | Hatch, Edwin J., Morrisville, N. Y. Pneumatic elevator and conveyer | Dec. 23, 1879 | 919 | 264 | 16 | 1167 |
| 214, 130 | Hatch, George C., Bridgeport, Conn. Coin-holder | Apr. 8, 1879 | 476 | 135 | 15 | 540 |
| 8, 629 | Hatch, George W., Brooklyn, N. Y. Button-fastening (Reissue) | Mar. 18, 1879 | 825 | 234 | 15 | 420 |
| 219, 859 | Hatch, Henry C., Strafford, Vt. Glove | Sept. 23, 1879 | 924 | 255 | 16 | 558 |
| 223, 044 | Hatch, Horace N., Boston, Mass. Measuring-cabinet for oils | Dec. 30, 1879 | 1088 | 309, 310 | 16 | 1201 |
| 212, 696 | Hatch, Israel H., North Marshfield, Mass. Box-nailing machine | Feb. 11, 1879 | 318 | 88 | 15 | 168 |
| 8, 764 | Hatch, Jesse W., Rochester, N. Y., assignor to H. G. Thompson, trustee. Lasting-machine (Reissue) | June 17, 1879 | 811 | 232 | 15 | 1007 |
| 8, 927 | Same .... Machinery for lasting the uppers of boots and shoes (Reissue) | Oct. 14, 1879 | 554 | 146 | 16 | 71[illegible] |
| 220, 612 | Hatch, Willard T., assignor to Atlas Engine Works Company, Indianapolis, Ind. Road-engine | Oct. 14, 1879 | 466 | 122 | 16 | 765 |
| 211, 571 | Hatfield, James F., Dublin, Ind. Grain-separator | Jan. 21, 1879 | 580 | 164 | 15 | 77 |
| 217, 102 | Hatfield, Robert F., Brooklyn, N. Y. Clothes-drying machine | July 1, 1879 | 198 | 57 | 16 | 28 |
| 220, 075 | Hatfield, William, Fort Wayne, Ind. Clamp for saw-tables | Sept. 30, 1879 | 1183 | 325 | 16 | 602 |
| | Hathaway, Byron A. (*See* Roberts & Hathaway.) | | | | | |
| 217, 614 | Hatlee, David H., Clifton Park, N. Y. Horseshoe-machine | July 15, 1879 | 775 | 220 | 16 | 123 |
| 216, 675 | Hauck, David A., Mechanicsburg, Pa. Measuring-faucet | June 17, 1879 | 753 | 215 | 15 | 999 |
| 219, 468 | Hauck, Edward J., Brooklyn, N. Y. Case for spectacles, &c | Sept. 9, 1879 | 477 | 132 | 16 | 480 |
| 215, 740 | Haucke, Charles W., Springfield, Ohio. Eave-trough | May 27, 1879 | 886 | 259 | 15 | 839 |
| | Hauenstein, Louis C. (*See* Hille, Paul, assignor.) | | | | | |
| 212, 689 | Hauff, Charles, Ashland, Ohio. Neck-yoke | Feb. 25, 1879 | 1018 | 282 | 15 | 272 |
| 212, 463 | Haughey, Allen B., Joplin, Mo. Rotary engine | Feb. 18, 1879 | 756 | 208 | 15 | 229 |
| | Haupt, Herman. (*See* Reynolds & Haupt.) | | | | | |
| 222, 041 | Hause, John F., Woodstock, Ga. Tuyere | Nov. 25, 1879 | 1059 | 296 | 16 | 983 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 215, 920 | Hauser, Peter, Zurich, Switzerland. Cleaning apparatus for carding-machines | May 27, 1879 | 1090 | 316 | 15 | 864 |
| | Haussling, Jacob. (*See* Fautz, Charles A., assignor.) | | | | | |
| | Hautin Sewing Machine Company. (*See* Wardwell, Simon W., jr., assignor.) | | | | | |
| 8, 529 | Havell, George, assignor, by mesne assignments, to Roberts & Havell, Newark, N. J. Traveling-bag frame (Reissue) | Jan. 7, 1879 | 235 | 69 | 15 | 31 |
| 8, 530 | Havell, George, assignor to Roberts & Havell, Newark, N. J. Traveling-bag frame. (Reissue) | Jan. 7, 1879 | 236 | 69 | 15 | 31 |
| 222, 494 | Havell, George, and A. G. Williams, Newark, N. J. Extensible fan | Dec. 9, 1879 | 435 | 124 | 16 | 1078 |
| 218, 022 | Haven, Egbert D., Portland, Oreg. Elevator | July 29, 1879 | 1252 | 358 | 16 | 201 |
| 216, 088 | Haven, Nathaniel A., Philadelphia, Pa. Bale-tie | June 3, 1879 | 88 | 25 | 15 | 896 |
| 222, 397 | Havens, Hiram, Hartford, Conn. Tail-board catch for wagons | Dec. 9, 1879 | 317 | 89 | 16 | 1063 |
| 220, 613 | Havens, William R., Denver, Colo. Friction clutch and brake | Oct. 14, 1879 | 467 | 122 | 16 | 706 |
| 222, 273 | Havers, Robert N., Bradford, York County, and R. G. Geach, Westminster, Middlesex County, Great Britain. Machine for cutting chenille-cloth | Dec. 2, 1879 | 177 | 46 | 16 | 1033 |
| 215, 354 | Haverstick, Levi, Washington Post-Office, Pa. Grain-lifter | May 13, 1879 | 442 | 132 | 15 | 762 |
| 220, 230 | Haverstick, Levi, Manor Township, Washington Post-Office, Lancaster County, Pa. Lifting jack for vehicles | Nov. 4, 1879 | 100 | 26 | 16 | 826 |
| | Hawes, Elwin L. (*See* Karel, Ignatz, assignor.) | | | | | |
| 223, 045 | Hawes, James R., Towanda, Pa. Toy | Dec. 30, 1879 | 1089 | 310 | 16 | 1201 |
| 215, 921 | Hawes, Richard W., Hohokus, N. J. Thill-coupling | May 27, 1879 | 1091 | 317 | 15 | 864 |
| 214, 387 | Hawk, Oliver W., White Water, Kans. Bagasse-furnace | Apr. 15, 1879 | 793 | 222 | 15 | 590 |
| 212, 930 | Hawker, Simon, Cincinnati, Ohio. Bed-bottom | Mar. 4, 1879 | 189 | 52 | 15 | 320 |
| | Hawkes, George F. (*See* Madeheim, Hermann, assignor.) | | | | | |
| 214, 037 | Hawkins, Benoni, Woonsocket, R. I. Jack or dresser spool | Apr. 8, 1879 | 355 | 101 | 15 | 526 |
| | Hawkins, Charles A. (*See* Underwood, Hawkins & Uhler.) | | | | | |
| 214, 131 | Hawkins, Elbert E., New Lisbon, N. Y. Whip-socket | Apr. 8, 1879 | 477 | 136 | 15 | 540 |
| 215, 817 | Hawkins, John K., Ball's Gap, Tenn. Press for cotton and hay | May 27, 1879 | 975 | 285 | 15 | 850 |
| 221, 458 | Hawkins, John T., Brooklyn, N. Y. Delivery apparatus for printing-machines | Nov. 11, 1879 | 369 | 101 | 16 | 872 |
| 221, 459 | Same Reciprocating printing-machine | Nov. 11, 1879 | 371 | 102 | 16 | 872 |
| 221, 304 | Hawkins, Joseph M., Union, W. Va. Animal-trap | Nov. 4, 1879 | 182 | 50 | 16 | 837 |
| 218, 529 | Hawkins, Thomas S., Chattanooga, Tenn. Brick-kiln | Aug. 12, 1879 | 492 | 137 | 16 | 298 |
| 217, 461 | Hawkins, Westel E., Boston, assignor to J. W. Tufts, Medford, Mass. Covered dish. | July 15, 1879 | 608 | 173 | 16 | 101 |
| 221, 061 | Hawkins, Westel E., assignor to Simpson, Hall, Miller & Co., Wallingford, Conn. Salt-dredge | Oct. 28, 1879 | 1008 | 268 | 16 | 794 |
| 220, 714 | Hawks, Moses L., Kinderhook, Mich. Washing-machine | Oct. 21, 1879 | 591 | 157, 158 | 16 | 730 |
| 221, 553 | Hawksworth, David, Plattsmouth, Nebr. Spark-arrester for locomotives | Nov. 11, 1879 | 489 | 134 | 16 | 888 |
| 222, 821 | Hawley, Benjamin R., Chicago, Ill., assignor of one-half interest to H. A. Barnum, New York, N. Y. Drier for paper and other fabrics | Dec. 23, 1879 | 828 | 237 | 16 | 1154 |
| 211, 402 | Hawley, David K., Odin, Ill. Animal poke and hobble | Jan. 14, 1879 | 385 | 110 | 15 | 50 |
| 218, 815 | Hawley, De Witt, Rochester, N. Y. Snow-plow | Aug. 26, 1879 | 843 | 237 | 16 | 364 |
| 222, 402 | Hawley, Edwin H., New Haven, Conn. Coffee-urn | Dec. 9, 1879 | 322 | 91 | 16 | 1063 |
| 221, 169 | Hawley, Henry Q., Albany, N. Y. Gas heating and cooking furnace | Nov. 4, 1879 | 35 | 10 | 16 | 817 |
| 222, 698 | Hawley, James M., Odin, Ill. Corn-sheller | Dec. 16, 1879 | 688 | 198 | 16 | 1123 |
| 216, 567 | Hawley, Koert D., and G. W. Anderson, Elizabethtown, Ind. Automatic weighing attachment for faucets | June 17, 1879 | 641 | 182 | 15 | 983 |
| 214, 774 | Hawley, Samuel F., assignor of three-fourths interest to W. K. Elson, W. H. Robinson, and T. Walton, Wheeling, W. Va. Burner for lamps | Apr. 29, 1879 | 1244 | 349 | 15 | 663 |
| 222, 042 | Haworth, George D., Decatur, Ill. Corn-planter | Nov. 25, 1879 | 1060 | 296 | 16 | 983 |
| 219, 941 | Haworth, John, Philadelphia, Pa. Water-motor for sewing-machines | Sept. 23, 1879 | 1016 | 282 | 16 | 571 |
| 212, 553 | Haworth, Lysander L., Decatur, Ill. Knot or stop for check-row cords or wires | Feb. 25, 1879 | 880 | 243 | 15 | 254 |
| 8, 662 | Haws, Andrew J., Johnstown, Pa. Stopper-rod sleeve for ladles (Reissue) | Apr. 8, 1879 | 585 | 165 | 15 | 554 |
| | Haws, James B., *et al.* (*See* Conner, Andrew J., assignor.) | | | | | |
| | Hawthorn, Richard. (*See* Chapman & Hawthorn.) | | | | | |
| 217, 462 | Hay, Abraham D., New Lebanon, Ohio. Dough-tray | July 15, 1879 | 608 | 174 | 16 | 101 |
| | Hay, Edgar F. (*See* Brison, Joseph, assignor.) | | | | | |
| | Hay, James. (*See* McKissock, Samuel, assignor.) | | | | | |
| | Hay, James F. (*See* Browning & Hay.) | | | | | |
| 212, 690 | Hay, John, Junction City, Kans. Fan | Feb. 25, 1879 | 1018 | 282 | 15 | 272 |
| 217, 615 | Hay, Robert, Mineral Point, Wis. Draw-bar | July 15, 1879 | 776 | 221 | 16 | 123 |
| 219, 470 | Hayden, Austin B., Auburn, N. Y., assignor to L. A. Watson, Ashtabula, Ohio. Measuring-strip for rolled fabrics | Sept. 9, 1879 | 479 | 133 | 16 | 481 |
| 219, 580 | Same Measuring-strip for packaged fabrics | Sept. 16, 1879 | 599 | 167 | 16 | 505 |
| 222, 353 | Hayden, Edward B., Plymouth, Mass. Felt for paper-machinery | Dec. 9, 1879 | 273 | 76 | 16 | 1056 |
| | Hayden, Elizabeth S. (*See* Hayden, Henry F., assignor.) | | | | | |
| 211, 509 | Hayden, George H., Boston, Mass. Cigarette-machine | Jan. 21, 1879 | 510 | 143, 144 | 15 | 68 |
| 215, 274 | Hayden, Henry F., assignor to E. S. Hayden, Washington, D. C. Furnace-grate | May 13, 1879 | 355 | 103 | 15 | 750 |
| 220, 614 | Hayden, Henry F., Washington, D. C. Locomotive and other furnaces | Oct. 14, 1879 | 467 | 122, 123 | 16 | 706 |
| 215, 455 | Hayden, Joseph, Oxford, Ohio. Mash-heater | May 20, 1879 | 569 | 167 | 15 | 788 |
| 213, 819 | Hayden, Nathan, Chicago, Ill. Needle-bar for sewing-machines | Apr. 1, 1879 | 98 | 30 | 15 | 485 |
| 216, 849 | Same same | June 24, 1879 | 973 | 276 | 15 | 1036 |
| | Hayden Peter, *et al.* (*See* Graves, George W., assignor.) | | | | | |
| 211, 998 | Hayden, Peter and W. B., Columbus, Ohio. Hame-loop | Feb. 4, 1879 | 199 | 56 | 15 | 152 |
| 219, 722 | Hayden, Peter, New York, N. Y., and W. B. Hayden, Columbus, Ohio. Machine for splitting railway-rails | Sept. 16, 1879 | 763 | 211 | 16 | 527 |
| 217, 942 | Hayden, Randolph, Middletown, Conn. Hitching-hook | July 29, 1879 | 1166 | 334 | 16 | 191 |
| | Hayden, Thomas S., *et al.* (*See* Dodge, James M., assignor.) | | | | | |
| | Same (*See* Mallett, Francis W., assignor.) | | | | | |
| | Hayden, William B., *et al.* (*See* Graves, George W., assignor.) | | | | | |
| | Hayden, William B. (*See* Hayden, Peter and W. B.) | | | | | |
| 212, 691 | Hayden, William B., Columbus, Ohio. Harness-hame | Feb. 25, 1879 | 1019 | 283 | 15 | 272 |
| 212, 464 | Haydock, Sarah A., Ostrander, Ohio. Car-coupling | Feb. 18, 1879 | 757 | 209 | 15 | 229 |
| 214, 296 | Haydock, Thomas T., Cincinnati, Ohio. Corner-iron and rest for shifting-rails of vehicles | Apr. 15, 1879 | 676 | 189 | 15 | 576 |
| | Haydon, Michael. (*See* Brady, Lawrence, assignor.) | | | | | |
| 215, 922 | Hayes, Calvin Q., Spring Green, Wis. Tumbling-rod knuckle | May 27, 1879 | 1092 | 317 | 15 | 864 |
| 8, 758 | Hayes, Daniel, and W. Free, San Francisco, Cal.; said Free assignor, by mesne assignments, to said Hayes. Fire-escape ladder (Reissue) | June 17, 1879 | 804 | 230 | 15 | 1006 |
| 8, 597 | Hayes, George, New York, N. Y. Ventilator (Reissue) | Feb. 25, 1879 | 1125 | 312 | 15 | 287 |
| 8, 674 | Same Skylight (Reissue) | Apr. 15, 1879 | 891 | 251 | 15 | 603 |
| 8, 675 | Same same (Reissue) | Apr. 15, 1879 | 893 | 251 | 15 | 604 |
| 8, 676 | Same same (Reissue) | Apr. 15, 1879 | 894 | 252 | 15 | 604 |
| 8, 688 | Same same (Reissue) | Apr. 29, 1879 | 1466 | 408 | 15 | 693 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 8,689 | Hayes, George, New York, N. Y. Skylight turret and conservatory .....(Reissue).. | Apr. 29, 1879 | 1468 | 408 | 15 | 693 |
| 217,213 | Same..... Floor-matting | July 8, 1879 | 333 | 98 | 16 | 54 |
| 217,214 | Same.....Wooden floor-matting | July 8, 1879 | 333 | 99 | 16 | 54 |
| 217,215 | Same.....Ventilator | July 8, 1879 | 334 | 99 | 16 | 54 |
| 218,265 | Same.....same | Aug. 5, 1879 | 178 | 48 | 16 | 244 |
| | Hayes, George D. (*See* Reynolds & Hayes.) | | | | | |
| | Hayes, George E. (*See* Schlacks & Hayes.) | | | | | |
| 214,295 | Hayes, John J., Green Point, N. Y. Attrition-mill | Apr. 15, 1879 | 674 | 189 | 15 | 576 |
| 221,662 | Hayes, Lewis S., Cortland Village, N. Y. Folding chair | Oct. 28, 1879 | 1009 | 268 | 16 | 794 |
| | Hayes, Nathan S. (*See* Risley, Lewis V., assignor.) | | | | | |
| 211,326 | Hayes, Samuel J., E. T. Jeffery, and H. Schlacks, Chicago, Ill. Purifying the feed-water in steam-boilers | Jan. 14, 1879 | 302 | 90 | 15 | 40 |
| 215,355 | Hayes, William H., Salisbury, Mo. Hame-tug and trace | May 13, 1879 | 442 | 132 | 15 | 762 |
| | Hayes, William M., *et al.* (*See* Lewis, Robert R., assignor.) | | | | | |
| 219,469 | Hayford, Samuel, Austin, Tex. Solar-time instrument | Sept. 9, 1879 | 477 | 132, 133 | 16 | 480 |
| 216,037 | Hayne, John, Marshalltown, Iowa. Fence-post | June 3, 1879 | 34 | 10 | 15 | 889 |
| 222,699 | Hayne, John S., assignor of three-fourths interest to A. L. Kennedy, Marshalltown, Iowa. Wire-barbing machine | Dec. 16, 1879 | 689 | 198 | 16 | 1123 |
| 217,103 | Haynes, Cornelius E., Boston, Mass. Hitching device for animals | July 1, 1879 | 200 | 57 | 16 | 28 |
| | Haynes, Warren H. (*See* Edson & Haynes) ..... (Reissue.) | | | | | |
| | Hays, Henry B. (*See* Imboden, John D., assignor.) | | | | | |
| 222,274 | Hays, Milton D., Pittsburg, Pa. Transferring and moving cars | Dec. 2, 1879 | 178 | 47 | 16 | 1033 |
| | Hayward, Alfred. (*See* Ashton & Hayward.) | | | | | |
| 213,196 | Hazard, George J., assignor to Providence Machine Company, Providence, R. I. Flier for roving-machines | Mar. 11, 1879 | 508 | 141 | 15 | 370 |
| 216,850 | Hazelet, John R., Williamsport, Pa. Roofing paint or covering | June 24, 1879 | 974 | ..... | 15 | 1036 |
| 222,043 | Hazelip, Joseph N., assignor of one-half interest to B. G. Harris, Baltimore, and W. Canby, Baltimore County, Md. Carriage-top | Nov. 25, 1879 | 1061 | 296 | 16 | 984 |
| | Hazeltine, Channing. (*See* Fairchild & Hazeltine.) | | | | | |
| | Hazelton, Edmund H. (*See* Barnhart & Hazelton.) | | | | | |
| 212,221 | Hazelton, George H., Birmingham, Conn. Pocket-goblet | Feb. 11, 1879 | 460 | 127 | 15 | 187 |
| 217,104 | Hazelton, Milton W., Chicago, Ill. Device for decomposing water for fuel | July 1, 1879 | 201 | 58 | 16 | 28 |
| 221,814 | Hazlewood, Robert, Moundsville, W. Va. Nut-lock | Nov. 18, 1879 | 793 | 221 | 16 | 938 |
| 217,283 | Hazzard, William H., Easton, Pa. Window-screen | July 8, 1879 | 403 | 119 | 16 | 63 |
| | Head, Charles A., *et al.* (*See* Crossley, Francis W. and W. J., assignors.) | | | | | |
| 218,174 | Head, George B., Albany, N. Y. Pin and eye plate for molders' flasks | Aug. 5, 1879 | 78 | 21 | 16 | 231 |
| 221,554 | Heady, Andrew J., Agency City, Iowa. Flood-fence | Nov. 11, 1879 | 490 | 134 | 16 | 888 |
| 215,613 | Heaford, Edwin V., Covington, Ky. Adjustable pattern-plate for drafting garments.. | May 20, 1879 | 747 | 218 | 15 | 812 |
| | Heagle, James, *et al.* (*See* Cole, George P., assignor.) | | | | | |
| 216,183 | Heald, John, Chorley, Lancaster County, assignor of one-half interest to J. Lewis, Preston, England. Machine for grinding and doughing india-rubber | June 3, 1879 | 183 | 54 | 15 | 908 |
| | Healey, George A. (*See* Hodges & Healy.) | | | | | |
| 211,510 | Healey, James I., Brooklyn, N. Y. Vault-light, &c | Jan. 21, 1879 | 514 | 144 | 15 | 68 |
| 215,741 | Same.....Vehicle-wheel hub | May 27, 1879 | 887 | 259 | 15 | 839 |
| 219,860 | Healey, William P., New Orleans, La. Splice for wire ropes | Sept. 23, 1879 | 924 | 256 | 16 | 558 |
| | Heartfield, Charles H. (*See* Webb & Heartfield.) | | | | | |
| 211,092 | Heath, Eugene A., New York, N. Y. Incased bottle | Jan. 7, 1879 | 15 | 6 | 15 | 2 |
| 218,438 | Same.....Screw-propeller | Aug. 12, 1879 | 384 | 105 | 16 | 283 |
| 213,517 | Heath, Henry, Brooklyn, assignor to Fisk, Clark & Flagg, New York, N. Y. Neck-tie. | May 20, 1879 | 638 | 186 | 15 | 797 |
| 219,156 | Heath, John E., Albany, N. Y. Calendar | Sept. 2, 1879 | 109 | 32 | 16 | 426 |
| 221,305 | Heath, William A., Healdsburg, Cal. Wrench | Nov. 4, 1879 | 183 | 50 | 16 | 837 |
| | Heathcote, William. (*See* Moessinger & Heathcote.) | | | | | |
| 211,905 | Heathfield, Richard, Birmingham, England. Coating sheet-iron with zinc or alloys of zinc | Feb. 4, 1879 | 94 | 27 | 15 | 138 |
| | Heathman, George W. (*See* Clayton, Henry, assignor.) | | | | | |
| 216,401 | Heaton, Charles, Ballston Spa, N. Y. Medical compound | June 10, 1879 | 453 | ..... | 15 | 949 |
| 212,931 | Heaton, Lewis E., assignor of one-half interest to S. Barr, Providence, R. I. Tobacco-cutter | Mar. 4, 1879 | 189 | 53 | 15 | 320 |
| 211,327 | Heberline, Fred. A., and A. Boss, Mansfield, Pa. Rotary measure | Jan. 14, 1879 | 304 | 90 | 15 | 40 |
| | Heberling, George W. (*See* Sherck & Batig, assignors.) | | | | | |
| 221,063 | Heck, Peter E., Milton, Ind. Gate | Oct. 28, 1879 | 1010 | 268 | 16 | 794 |
| 220,145 | Heckendorn, Henry C., assignor of one-half interest to W. H. Wilhelm, Reading, Pa. Planer-chuck | Sept. 30, 1879 | 1261 | 347 | 16 | 613 |
| 222,901 | Heckendorn, Henry C., assignor to self and W. H. Wilhelm, Reading, Pa. Oval lathe. | Dec. 23, 1879 | 920 | 265 | 16 | 1167 |
| 219,091 | Heckmann, Charles F., Plainville, Mass. Ornamental chain | Sept. 2, 1879 | 40 | 13 | 16 | 417 |
| 219,092 | Same.....same | Sept. 2, 1879 | 40 | 13 | 16 | 418 |
| 212,848 | Heckmann, Louis, assignor of two-thirds interest to W. H. Wade and E. P. Davis, Wrentham, Mass. Manufacture of sprig-work for jewelry | Mar. 4, 1879 | 76 | 23 | 15 | 307 |
| 216,954 | Same .... Ear-ring | July 1, 1879 | 30 | 9 | 16 | 6 |
| 218,023 | Heddings, Isaac S., Mifflinburg, Pa. Fence-post-boring machine | July 29, 1879 | 1253 | 358 | 16 | 202 |
| | Hedges & Co., A. J. (*See* Hedges, Wallace M., assignor.) | | | | | |
| 220,376 | Hedges, Samuel P., Greenport, N. Y. Fish-scrap elevator | Oct. 7, 1879 | 186 | 49, 50 | 16 | 660 |
| 221,231 | Hedges, Wallace M., Newark, N. J., assignor to A. J. Hedges & Co., New York, N. Y. Manufacturing ornamented metallic plates | Nov. 4, 1879 | 101 | 26 | 16 | 826 |
| 218,963 | Heely, James L., Attleborough Falls, Mass., assignor to Davidson Brothers, New York, N. Y. Ornamental chain-link | Aug. 26, 1879 | 1010 | 284 | 16 | 387 |
| 218,736 | Heenan, John W., Chelsea, assignor of one-half interest to W. J. Hickey, Boston, Mass. Rowing-exercise machine | Aug. 19, 1879 | 730 | 207 | 16 | 339 |
| | Hees, Wilhelm. (*See* Wittig & Hees.) | | | | | |
| | Heffernan, Edward. (*See* Young, Thomas P., assignor.) | | | | | |
| 222,902 | Hege, Constantine A., Salem, assignor of two-thirds interest to P. F. Duffy and J. E. Allen, Greensborough, N. C. Brick-machine | Dec. 23, 1879 | 922 | 265, 266 | 16 | 1167 |
| 219,723 | Hegele, Balthasar, San José, Cal. Soda-water bottle | Sept. 16, 1879 | 765 | 211 | 16 | 527 |
| 220,831 | Hegeler, Edward C., and F. W. Matthiessen, La Salle, Ill. Zinc-furnace | Oct. 21, 1879 | 725 | 192, 193 | 16 | 747 |
| | Hegervisch, Adolfo, *et al.* (*See* Schroeder, Frederick W., assignor.) | | | | | |
| 214,910 | Hegi, Ludwig G., assignor of one-half interest to G. A. Binkert, Philadelphia, Pa. Starch compound | Apr. 29, 1879 | 1396 | ..... | 15 | 683 |
| 215,614 | Heiges, John M. and S. B., York, Pa. Seed-planter | May 20, 1879 | 749 | 218 | 15 | 812 |
| | Heiges, Samuel B. (*See* Heiges, John M. and S. B.) | | | | | |
| 8,796 | Heikel, Otto, Jersey City, N. J. Magneto-electric machine.....(Reissue) .. | July 8, 1879 | 583 | 167 | 16 | 86 |
| 219,398 | Same .....same | Sept. 9, 1879 | 401 | 112 | 16 | 471 |
| | Heiligmann, Gustavus A. (*See* Heiligmann, William F. and G. A.) | | | | | |
| 217,373 | Heiligmann, William F. and G. A., Philadelphia, Pa. Drawer-handle | July 8, 1879 | 500 | 145 | 16 | 76 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 215, 275 | Heimann, Julius, New York, N. Y. Manufacture of felt or cloth hats and bonnets | May 13, 1879 | 357 | 104 | 15 | 751 |
| 217, 284 | Same.....Manufacture of hats, caps, and bonnets | July 8, 1879 | 404 | 119 | 16 | 64 |
| | Heimann & Wall. (*See* Winghart, William J., assignor.) | | | | | |
| | Heimlich, Charles. (*See* Heimlich & Dehnel, assignors.) | | | | | |
| 212, 601 | Heimlich, John, Venice, and L. O. Dehnel, Sandusky, assignors of one-third interest to C. Heimlich, Venice, Ohio. Hose relief-gate | Feb. 25, 1879 | 934 | 258 | 15 | 261 |
| 212, 692 | Hein, Charles, Corona, N. Y. Bracelet | Feb. 25, 1879 | 1020 | 283 | 15 | 273 |
| 8, 928 | Hein, Charles, Corona, assignor to Hale & Mulford, New York, N. Y. Bracelet. (Reissue) | Oct. 14, 1879 | 556 | 146 | 16 | 717 |
| | Heinbockel, Claus. (*See* Fischer, Philipp, assignor.) | | | | | |
| 220, 832 | Heine, August, Silver Creek, N. Y. Smoke and cinder conveyer | Oct. 21, 1879 | 728 | 193 | 16 | 747 |
| | Heine, August. (*See* Holcomb & Heine.) | | | | | |
| 211, 999 | Heineman, Harry M., San Francisco, Cal. Suspenders | Feb. 4, 1879 | 200 | 57 | 15 | 152 |
| | Heinig, Frederick E. (*See* Osborne & Heinig.) | | | | | |
| 214, 821 | Heinle, Albert G., Pittsburg, Pa. Gearing | Apr. 29, 1879 | 1302 | 364 | 15 | 671 |
| 213, 751 | Heinz, Adam, Buffalo, N. Y. Refrigerator | Apr. 1, 1879 | 24 | 7, 8 | 15 | 476 |
| | Heinz, Henry J. (*See* Heinz, John H. and H. J.) | | | | | |
| 212, 000 | Heinz, John H., Sharpsburg, Pa. Vegetable-assorter | Feb. 4, 1879 | 200 | 57 | 15 | 152 |
| 212, 849 | Heinz, John H., Sharpsburg, and H. J. Heinz, Pittsburg, Pa. Vegetable-assorter | Mar. 4, 1879 | 77 | 23 | 15 | 308 |
| 219, 942 | Heiran, Alban, San Leandro, Cal. Carpenter's gage | Sept. 23, 1879 | 1017 | 282 | 16 | 571 |
| 218, 964 | Heise, Harry H., Columbia, Pa. Hydraulic ram | Aug. 26, 1879 | 1011 | 284 | 16 | 387 |
| | Heisel, Phillip. (*See* Craig, James H., assignor.) | | | | | |
| 212, 693 | Heiser, Hermann H., Denver, Colo. Girth-iron for saddles | Feb. 25, 1879 | 1021 | 283 | 15 | 273 |
| 212, 932 | Heisey, Augustus H., Bellevue (Pittsburg Post-Office), Pa. Machine for shaping tubular glassware | Mar. 4, 1879 | 190 | 53 | 15 | 321 |
| | Heitmann, Eduard. (*See* Zwietusch & Heitmann.) | | | | | |
| 215, 276 | Heizer, James F., Churchville, Va. Combined bread-raiser and fruit-drier | May 13, 1879 | 358 | 104 | 15 | 751 |
| 218, 673 | Helbig, William, Aussig, Austria, and R. Hasenclever, Aachen, Prussia, Germany, assignors of one-fourth interest to M. S. Hopkins, Washington, D. C. Ore-furnace | Aug. 19, 1879 | 666 | 189 | 16 | 330 |
| 215, 742 | Helbling, Michael, Allegheny, Pa. Heating-stove | May 27, 1879 | 888 | 260 | 15 | 839 |
| 213, 900 | Helfert, George, New York, N. Y. Ventilating millstones | Apr. 1, 1879 | 184 | 53 | 15 | 496 |
| 8, 818 | Heller, Daniel, Milton Centre, assignor to Farmers' Manufacturing Company, Cincinnati, Ohio. Drag-saw (Reissue) | July 22, 1879 | 1054 | 302 | 16 | 169 |
| 222, 495 | Heller, Frederick, Newark, N. J. Beer-cooler | Dec. 9, 1879 | 437 | 125 | 16 | 1078 |
| 212, 001 | Heller, William, New York, N. Y. Bag-lock | Feb. 4, 1879 | 201 | 57 | 15 | 152 |
| 217, 871 | Hellman, Jacob, Quincy, Ill. Mechanical power | July 29, 1879 | 1087 | 312, 313 | 16 | 180 |
| 215, 356 | Hellman, Louis, Chicago, Ill. Heating-stand | May 13, 1879 | 443 | 132 | 15 | 762 |
| 221, 064 | Hellyer, Samuel S., London, England, assignor to H. C. Meyer & Co., New York, N. Y. Water-closet | Oct. 28, 1879 | 1010 | 269 | 16 | 794 |
| | Helm, Phineas. (*See* Botsford, Andrew H., assignor.) | | | | | |
| 218, 965 | Helme, William, Philadelphia, Pa. Gas-exhauster governor | Aug. 26, 1879 | 1012 | 285 | 16 | 387 |
| 220, 284 | Same.....same | Oct. 7, 1879 | 81 | 22 | 16 | 646 |
| | Helmer, Barbara, *et al.* (*See* Helmer, Nicolas, assignor.) | | | | | |
| 215, 518 | Helmer, Nicolas, assignor to B. Helmer and C. Gluth, New York, N. Y. Toupee | May 20, 1879 | 639 | 186 | 15 | 797 |
| 212, 313 | Helms, Charles H., Poughkeepsie, assignor to New York Edge Trimmer Company, New York, N. Y. Machinery for trimming the sole-edges of boots and shoes | Feb. 18, 1879 | 566 | 158 | 15 | 204 |
| 221, 677 | Helvering, Daniel B., assignor of one-half interest to H. F. Strueve, Felicity, Ohio. Shaft-support for vehicles | Nov. 18, 1879 | 626 | 176 | 16 | 916 |
| | Hemenway, Haney. (*See* Garver & Hemenway.) | | | | | |
| | Hemingray Glass Company. (*See* Bartels, William H., assignor).....(Reissue.) | | | | | |
| 212, 850 | Hemingray, Robert, Covington, Ky. Machine for flaring and crimping lamp-chimneys, &c | Mar. 4, 1879 | 78 | 23 | 15 | 308 |
| 217, 794 | Hemmich, Thomas F., Reading, Pa. Hot-air heater | July 22, 1879 | 987 | 282 | 16 | 161 |
| 222, 782 | Hemmich, Thomas F., assignor of one-half interest to A. Prutzman, Reading, Pa. Hot-air furnace | Dec. 23, 1879 | 785 | 225, 226 | 16 | 1147 |
| 217, 285 | Hemp, James, assignor of one-half interest to J. Archart, Middlebrook, Va. Wind-engine | July 8, 1879 | 405 | 119 | 16 | 64 |
| | Hempleman, Aaron W. (*See* Grant, George H., assignor.) | | | | | |
| | Hencke, Fred. (*See* Angell, Edwin R., assignor.) | | | | | |
| 215, 357 | Henderer, Edmond, assignor to R. P. Pinn, Wilmington, Del. Bung-extractor | May 13, 1879 | 444 | 132 | 15 | 762 |
| | Henderson, Charles H., *et al.* (*See* Shipman, William W., assignor.) | | | | | |
| 219, 093 | Henderson, Edward, Portland, Oreg. Drying apparatus | Sept. 2, 1879 | 41 | 13 | 16 | 418 |
| 220, 920 | Henderson, Henry A., and H. C. Paine, Lynn, Mass. Heel-trimming machine | Oct. 28, 1879 | 832 | 223 | 16 | 770 |
| 217, 532 | Henderson, James, 263 Commercial Road, Peckham, Surrey County, assignor to T. F. Blackwell and E. M. Crosse, Soho Square, Middlesex County, England. Sheet-metal can | July 15, 1879 | 682 | 194 | 16 | 111 |
| 212, 140 | Henderson, John, jr., Waterbury, Conn. Rotaryengine | Feb. 11, 1879 | 372 | 101 | 15 | 176 |
| 218, 737 | Henderson, William J., Valdosta, Ga. Fish-trap | Aug. 19, 1879 | 730 | 208 | 16 | 339 |
| 223, 136 | Hendrichs, John, New York, N. Y. Safety-paper for bank-checks or other documents of value | Dec. 30, 1879 | 1201 | ..... | 16 | 1216 |
| 218, 439 | Hendrickson, James S., Olmsted Falls, Ohio. Carpet-stretcher | Aug. 12, 1879 | 385 | 106 | 16 | 283 |
| | Hendrie, Malcolm. (*See* Wilson, James D., assignor.) | | | | | |
| 211, 511 | Hendryx, Andrew B., Ansonia, Conn. Bird-cage | Jan. 21, 1879 | 515 | 145 | 15 | 68 |
| 218, 266 | Same.....same | Aug. 5, 1879 | 178 | 48 | 16 | 244 |
| | Heneage, Robert. (*See* Milsom & Heneage.) | | | | | |
| | Heney, Edward N. (*See* Davis, William, assignor.) | | | | | |
| 213, 901 | Henis, Charles F., Philadelphia, Pa. Fastening for sheet-metal couplings | Apr. 1, 1879 | 184 | 53 | 15 | 496 |
| 218, 440 | Same.....Broiler | Aug. 12, 1879 | 385 | 106 | 16 | 283 |
| 8, 885 | Same.....Elbow for sheet-metal pipes (Reissue) | Sept. 2, 1879 | 334 | 94 | 16 | 454 |
| 219, 399 | Henkel, George H., assignor of one-half interest to J. P. Curtis, Middletown, Ohio. Ink-well for school-desks | Sept. 9, 1879 | 404 | 112 | 16 | 471 |
| 218, 966 | Henkle, Leonard, Rochester, N. Y. Lantern | Aug. 26, 1879 | 1013 | 285 | 16 | 387 |
| 221, 409 | Same.....same | Nov. 11, 1879 | 318 | 87 | 16 | 865 |
| 221, 815 | Henkmann, Charles, La Salle, Ill. Fountain-pen | Nov. 18, 1879 | 794 | 221 | 16 | 938 |
| 221, 555 | Henley, Henry, Bloomington, Ind. Bed-spring | Nov. 11, 1879 | 490 | 134 | 16 | 888 |
| 214, 038 | Hennessey, John V., Albany, N. Y. Metallic lath | Apr. 8, 1879 | 355 | 101 | 15 | 526 |
| | Hennessey, Thomas C. (*See* Whiting, James M., assignor.) | | | | | |
| 212, 694 | Hennessy, James J., South Bay City, Mich. Device for loading and unloading lumber | Feb. 25, 1879 | 1022 | 283 | 15 | 273 |
| 221, 816 | Hennessy, Thomas, Oakland, Cal. Valve for water-closets, &c | Nov. 18, 1879 | 795 | 221 | 16 | 938 |
| 218, 024 | Hennessy, Thomas J., and J. Quinn, assignor to D. Mansfield, Saint Louis, Mo. Street-sprinkling apparatus | July 29, 1879 | 1254 | 358 | 16 | 202 |
| 215, 743 | Henning, George C., Washington, D. C. Shirt front or dickey | May 27, 1879 | 889 | 260 | 15 | 839 |
| | Hennings, Henry. (*See* Schaefer & Hennings.) | | | | | |
| | Henrichs, Peter. (*See* Schinzel & Henrichs.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 215, 615 | Henriksen, Hans P., Copenhagen, Denmark, assignor of one-half interest to L. Bagger, Washington, D. C. Glove-sewing machine | May 20, 1879 | 750 | 219, 220 | 15 | 812 |
| 211, 093 | Henry, Cornelius, assignor of one-half interest to S. Lyman, New York, N. Y. Packing-box | Jan. 7, 1879 | 16 | 6 | 15 | 3 |
| 211, 094 | Henry, Cornelius, New York, N. Y. Animal-trap | Jan. 7, 1879 | 17 | 6 | 15 | 3 |
| 211, 095 | Same.....Toy-box | Jan. 7, 1879 | 18 | 6 | 15 | 3 |
| 213, 902 | Henry, John J., assignor of one-half interest to F. K. Tyler, Baltimore, Md. Soldering-iron | Apr. 1, 1879 | 185 | 54 | 15 | 496 |
| 219, 815 | Same.....Soldering-iron | Sept. 23, 1879 | 885 | 244 | 16 | 552 |
| 213, 417 | Henry, John S., North Belle Vernon, Pa. Curtain-fixture | Mar. 18, 1879 | 751 | 211 | 15 | 410 |
| | Henry, Manuel W. (*See* Fagan & Henry.) | | | | | |
| 217, 217 | Henry, Victor, Wapello, Iowa. Milliner's and hatter's iron | July 8, 1879 | 336 | 100 | 16 | 54 |
| 217, 105 | Henry, William, New York, N. Y. Vehicle-spring | July 1, 1879 | 202 | 58 | 16 | 28 |
| | Henry, William V. (*See* Herbert & Henry.) | | | | | |
| 217, 216 | Henshall, Samuel, Philadelphia, Pa. Machine for sewing straw braid | July 8, 1879 | 335 | 99 | 16 | 54 |
| 221, 410 | Henshaw, John S., Goshen, Ky. Gate | Nov. 11, 1879 | 318 | 87 | 16 | 865 |
| 219, 471 | Henshaw, Joshua, St. Hyacinthe, Quebec, Canada. Stump and stone extractor and elevator | Sept. 9, 1879 | 480 | 133 | 16 | 481 |
| 211, 732 | Hensley, Orlando, Kiddville, Ky. Stirrup | Jan. 28, 1879 | 782 | 219 | 15 | 107 |
| 216, 402 | Henson, Francis W., Philadelphia, Pa. Knitted hood | June 10, 1879 | 453 | 129 | 15 | 949 |
| 220, 919 | Henson, James E., Cynthiana, Ind. Toe-weight for horses | Oct. 28, 1879 | 832 | 223 | 16 | 770 |
| 222, 398 | Hentshel, August, Cincinnati, Ohio. Platform-rocker for furniture | Dec. 9, 1879 | 318 | 89 | 16 | 1063 |
| 220, 285 | Hepburn, Lewis L., assignor to E. Remington & Sons, Ilion, N. Y. Breech-loading fire-arm | Oct. 7, 1879 | 82 | 22 | 16 | 646 |
| 217, 689 | Hepworth, Samuel S., Yonkers, N. Y. Centrifugal-machine | July 22, 1879 | 882 | 251 | 16 | 146 |
| 218, 441 | Same.....same | Aug. 12, 1879 | 386 | 106 | 16 | 283 |
| 222, 903 | Herbert, George E. W., Cobocton, N. Y. Animal-poke | Dec. 23, 1879 | 924 | 266 | 16 | 1168 |
| 216, 089 | Herbert, Louis, and W. V. Henry, Hicksville, Cal. Direct-acting horse-power | June 3, 1879 | 89 | 26 | 15 | 896 |
| 222, 904 | Herbrand, Jacob, Fremont, assignor of one-half interest to B. F. Humes, Ashland, Ohio. Running-gear for vehicles | Dec. 23, 1879 | 925 | 266 | 16 | 1168 |
| 212, 378 | Herby, John, Jamestown, N. Y. Trussed axle for wagons | Feb. 18, 1879 | 645 | 181 | 15 | 215 |
| | Herkner, Henry F. (*See* Chase, Richard F. M., assignor.) | | | | | |
| 222, 044 | Hermance, Gilbert, Nassau, N. Y. Bob-sleigh | Nov. 25, 1879 | 1063 | 297 | 16 | 984 |
| 218, 738 | Hermann, Max, Troy, N. Y. Button-hole | Aug. 19, 1879 | 731 | 208 | 16 | 339 |
| 219, 581 | Herold, Carl, Pittsburg, Pa. Shoe-brush | Sept. 16, 1879 | 599 | 167 | 16 | 505 |
| 220, 834 | Heron, John, Mount Carmel, Ind. Dental engine | Oct. 21, 1879 | 730 | 194 | 16 | 747 |
| 220, 146 | Herrens, Michael, Saint Louis, Mo. Car-coupling | Sept. 30, 1879 | 1261 | 347 | 16 | 613 |
| 220, 833 | Same.....Weather-strip | Oct. 21, 1879 | 729 | 194 | 16 | 747 |
| 221, 460 | Same.....Car-replacer | Nov. 11, 1879 | 372 | 102 | 16 | 872 |
| 212, 933 | Herrick, Charles E., Springfield, Mass. Spindle-band holder for spinning-machines | Mar. 4, 1879 | 192 | 53 | 15 | 321 |
| 221, 730 | Herrick, Frank J., New Britain, Conn. Bell-striking mechanism | Nov. 18, 1879 | 086 | 192 | 16 | 924 |
| 221, 556 | Herrick, George W., assignor to Michigan Stove Company, Detroit, Mich. Stove-grate. | Nov. 11, 1879 | 491 | 135 | 16 | 889 |
| | Herrick, Hazard P. (*See* Culver, James H., assignor.) | | | | | |
| 214, 911 | Herrick, John P., assignor of one-half interest to G. F. Harding, West Troy, N. Y. Construction of boats | Apr. 29, 1879 | 1397 | 388 | 15 | 683 |
| 222, 399 | Herrick, Orris E., Greenville, Mich. Galvanic uterine supporter | Dec. 9, 1879 | 319 | 90 | 16 | 1063 |
| 213, 197 | Herring, Anaxamander, Cohoes, N. Y. Ascertaining the density and tensile strength of iron and steel by magnetism | Mar. 11, 1879 | 509 | 141, 142 | 15 | 370 |
| | Herring, John R. (*See* Herring, William M., assignor.) | | | | | |
| 213, 418 | Herring, William M., assignor to self and J. R. Herring, Spring Hill, Tex. Riding-saddle | Mar. 18, 1879 | 751 | 211 | 15 | 410 |
| 215, 519 | Herrmann, Ferdinand, Cincinnati, Ohio. Rocking-chair | May 20, 1879 | 640 | 186 | 15 | 798 |
| | Herron, Hiram T. (*See* Dixon & Herron.) | | | | | |
| 214, 912 | Herron, John W., and W. L. Hardy, Pittsburg, Pa. Fire-screen | Apr. 29, 1879 | 1399 | 388 | 15 | 683 |
| 222, 134 | Herschman, Josef, New York, N. Y. Roach-trap | Dec. 2, 1879 | 19 | 6 | 16 | 1011 |
| 220, 477 | Herse, Paulina M. L., Hamilton, Ontario, Canada. Cockle-separator | Oct. 14, 1879 | 306 | 81 | 16 | 685 |
| 219, 260 | Hershberger, Daniel P., Goshen, Ind. Draft-equalizer | Sept. 2, 1879 | 236 | 67 | 16 | 442 |
| | Hershey, Christian H. (*See* Mills & Hershey.) | | | | | |
| 8, 655 | Hersome, Calvin, Boston, Mass. Buckle.....(Reissue) | Apr. 1, 1879 | 259 | 75 | 15 | 506 |
| | Herzberg, Abram. (*See* Herzberg, Isaac and A.).....(Reissue.) | | | | | |
| 8, 753 | Herzberg, Isaac and A., Philadelphia, Pa., assignors to Holmes Burglar Alarm Telegraph Company, New York, N. Y. Apparatus for producing forward and backward motion at regular intervals.....(Reissue) | June 17, 1879 | 798 | 228, 229 | 15 | 1005 |
| 8, 754 | Same.....Apparatus for automatically regulating the flame of gas-burners. (Reissue) | June 17, 1879 | 800 | 229 | 15 | 1005 |
| | Herzog & Co., J. (*See* Sherwood, Andrew T., assignor.) | | | | | |
| 211, 657 | Herzog, Philip, Minneapolis, Minn. Fence | Jan. 28, 1879 | 697 | 195 | 15 | 96 |
| 214, 564 | Hess, Daniel, Evansville, Ind. Horse-power | Apr. 22, 1879 | 1006 | 283 | 15 | 625 |
| 214, 565 | Same.....Boiler-feeder | Apr. 22, 1879 | 1006 | 283 | 15 | 625 |
| 212, 379 | Hess, George H., Chicago, Ill. Cooking-stove | Feb. 18, 1879 | 645 | 181 | 15 | 215 |
| 218, 739 | Hess, John G., Guttenburg, N. J. Faucet | Aug. 19, 1879 | 732 | 208 | 16 | 339 |
| | Hess, Samuel J., *et al.* (*See* Sullivan, Nicholas, assignor.) | | | | | |
| 8, 830 | Hesse, Joseph, San Francisco, Cal., assignor of one-half interest to T. G. Cantrell. Carpet-sewing machine.....(Reissue) | Aug. 5, 1879 | 279 | 76, 77 | 16 | 258 |
| 216, 955 | Hessels, Anthony, New York, N. Y. Machine for cutting diamonds | July 1, 1879 | 31 | 10 | 16 | 6 |
| 212, 695 | Hessler, George W., Moosic, Pa. Music-stand | Feb. 25, 1879 | 1023 | 284 | 15 | 273 |
| 219, 094 | Heston, David, assignor of one-half interest to R. S. Menamin, Philadelphia, Pa. Bronzing-machine | Sept. 2, 1879 | 42 | 13, 14 | 16 | 418 |
| 219, 472 | Heston, David, Philadelphia, Pa. Can-labeling machine | Sept. 9, 1879 | 481 | 133 | 16 | 481 |
| 217, 286 | Hetfield, Levi, Plainfield, N. J. Coal-car | July 8, 1879 | 406 | 120 | 16 | 64 |
| 8, 962 | Hetherington, John E., Cherry Valley, N. Y. Artificial honey-comb foundation. (Reissue) | Nov. 11, 1879 | 595 | 166 | 16 | 904 |
| 215, 616 | Hetherington, Oliver J., East Saginaw, and T. F. Bingham, Abronia, Mich. Honey-knife | May 20, 1879 | 754 | 220 | 15 | 813 |
| 220, 835 | Hettinger, John H., Bridgeton, N. J. Can-cover | Oct. 21, 1879 | 731 | 194 | 16 | 747 |
| | Heubach, Henry. (*See* Bernhardt, Charles, assignor.) | | | | | |
| 214, 566 | Heubach, Henry, Brooklyn, N. Y. Adjustable key-board for musical instruments | Apr. 22, 1879 | 1007 | 283 | 15 | 625 |
| | Hewett, William M. (*See* Pierce, James D., assignor.) | | | | | |
| | Hewitt, Abram S., *et al.* (*See* Snelus, George J., assignor.) | | | | | |
| | Hewitt Box Lid Company. (*See* Susemihl & Hewitt, assignors).....(Reissue.) | | | | | |
| 220, 239 | Hewitt, Charles, Trenton, N. J. Roll for reducing railway-rails | Oct. 7, 1879 | 34 | 9 | 16 | 639 |
| 220, 240 | Same.....same | Oct. 7, 1879 | 36 | 9 | 16 | 639 |
| 216, 273 | Hewitt, Edward, New York, N. Y. Plate-printing machine | June 10, 1879 | 300 | 88 | 15 | 930 |
| 221, 461 | Same..... Die and plate printing machine | Nov. 11, 1879 | 373 | 102, 103 | 16 | 873 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Hewitt, Francis R. (*See* Davies & Hewitt.) | | | | | |
| 211, 470 | Hewitt, Frank B., Smithville, N. C. Device for detaching horses | Jan. 21, 1879 | 465 | 131 | 15 | 62 |
| 219, 727 | Hewitt, Jackson W., assignor to J. W. Hewitt & Son, Jackson, Mich. Boot for vehicles. | Sept. 16, 1879 | 769 | 212 | 16 | 528 |
| | Hewitt, John, *et al.* (*See* Farley, Henry W., assignor) (Reissue.) | | | | | |
| 211, 847 | Hewitt, John, Chicago, Ill. Lightning-rod | Feb. 4, 1879 | 24 | 8 | 15 | 129 |
| 216, 038 | Hewitt, John, Saint Louis, Mo. Piston-rod packing | June 3, 1879 | 35 | 10 | 15 | 889 |
| | Hewitt, Herbert H. (*See* Susemihl & Hewitt) (Reissue.) | | | | | |
| | Hewitt, Horace L. (*See* Rumsey & Hewitt.) | | | | | |
| | Hewitt & Son, J. W. (*See* Hewitt, Jackson W., assignor.) | | | | | |
| 214, 775 | Heyl, Henry R., assignor to H. C. Archibald, Philadelphia, Pa. Apparatus for molding suppositories | Apr. 29, 1879 | 1246 | 349 | 15 | 663 |
| 219, 095 | Heyl, John A., Boston, Mass. Mechanism for operating railway-switches | Sept. 2, 1879 | 43 | 14 | 16 | 418 |
| 216, 737 | Heylmann, Charles, Chicago, Ill. Cigar-box | June 24, 1879 | 840 | 239 | 15 | 1019 |
| 211, 512 | Heymann, Jacob, and P. Kiehl, Conway, Ohio. Wagon-seat | Jan. 21, 1879 | 515 | 145 | 15 | 68 |
| 213, 507 | Heymann, P. Jacob, and J. E. Burt, assignors to New England Organ Company, Boston, Mass. Organ and piano case | Mar. 25, 1879 | 847 | 240, 241 | 15 | 431 |
| | Heymann & Sons, M. S. (*See* Grodzensky, Max, assignor.) | | | | | |
| | Heymas, Nicholas G., *et al.* (*See* Bolinger, John B., assignor.) | | | | | |
| 221, 817 | Heyn, Alfred, New York, N. Y. Portable railway-track | Nov. 18, 1879 | 796 | 221 | 16 | 938 |
| 215, 744 | Heyn, William, San Francisco, Cal. Auger | May 27, 1879 | 890 | 260 | 15 | 839 |
| 212, 141 | Heysinger, Isaac W., Philadelphia, Pa. Fountain attachment for writing-pens | Feb. 11, 1879 | 373 | 102 | 15 | 176 |
| 212, 142 | Same.....Meat and vegetable cutter | Feb. 11, 1879 | 375 | 102 | 15 | 176 |
| 213, 986 | Same.....Horse hay-fork | Apr. 8, 1879 | 289 | 83, 84 | 15 | 518 |
| | Heysinger, John L. (*See* Mills & Hershey, assignors.) | | | | | |
| | Heywood Brothers & Co. (*See* Colburn, George S., assignor.) | | | | | |
| | Same.....(*See* Heywood & Watkins, assignors.) | | | | | |
| | Heywood Chair Company, Walter. (*See* Fitts, Robert, assignor.) | | | | | |
| 216, 403 | Heywood, Charles L., Belmont, Mass. Caboose for freight-cars | June 10, 1879 | 454 | 129 | 15 | 949 |
| 216, 404 | Same..... Device for replacing cars upon the track | June 10, 1879 | 455 | 130 | 15 | 949 |
| 216, 405 | Same..... Car-step | June 10, 1879 | 455 | 130 | 15 | 949 |
| 216, 406 | Same.....Railway signal-light | June 10, 1879 | 456 | 130 | 15 | 949 |
| 216, 407 | Same.... .Car-starter | June 10, 1879 | 457 | 130 | 15 | 950 |
| 215, 923 | Heywood, Levi, and G. A. Watkins, assignors to Heywood Brothers & Co., Gardner, Mass. Chair seat and back | May 27, 1879 | 1092 | 317 | 15 | 864 |
| 214, 776 | Hibbard, Zebina M., Freeport, Ill. Station-indicator | Apr. 29, 1879 | 1247 | 349 | 15 | 663 |
| 220, 836 | Hibbard, Zebina M., Brooklyn, N. Y. Whiffletree-hook | Oct. 21, 1879 | 732 | 194 | 16 | 747 |
| 215, 358 | Hibbert, Samuel E., Lowell, Mass. Comb-cleaner | May 13, 1879 | 444 | 133 | 15 | 762 |
| 214, 567 | Hibner, Joseph, assignor of one-half interest to H. A. Walke, Hamilton, Ohio. Slate | Apr. 22, 1879 | 1008 | 283 | 15 | 625 |
| | Hick, William B. (*See* Leonard & Hick.) | | | | | |
| 221, 562 | Hickey, John, Sheboygan, Wis. Steam-brake for locomotives | Nov. 11, 1879 | 499 | 136 | 16 | 890 |
| 211, 328 | Hickey, John, and T. McNeill, Sheboygan, Wis. Car-brake | Jan. 14, 1879 | 304 | 90 | 15 | 40 |
| | Hickey, William J. (*See* Heenan, John W., assignor.) | | | | | |
| 213, 419 | Hickman, Francis, Reading, Pa. Box and protector for underground stop-cocks | Mar. 18, 1879 | 752 | 211 | 15 | 410 |
| 8, 667 | Hickok, William O., and A. Cooper, Harrisburg, Pa.; said Cooper assignor to said Hickok. Paper-ruling machine (Reissue) | Apr. 8, 1879 | 590 | 168 | 15 | 555 |
| 219, 261 | Hickok, Barton H., Chicago, Ill. Gate | Sept. 2, 1879 | 237 | 67 | 16 | 442 |
| 222, 701 | Hicks, Ira V., Cortland Village, N. Y. Vehicle-spring | Dec. 16, 1879 | 691 | 198, 199 | 16 | 1123 |
| | Hicks, James J. (*See* Peroni, Luigi, assignor.) | | | | | |
| 218, 967 | Hicks, Thomas H., assignor of one-sixth interest to A. McBride, London, Ontario, Canada. Carbureter | Aug. 26, 1879 | 1014 | 285 | 16 | 387 |
| 213, 567 | Hicks, Warren R., Philadelphia, Pa. Cement for uniting leather, wood, &c. | Mar. 25, 1879 | 917 | ..... | 15 | 439 |
| 221, 678 | Hicks, William C., Summit, N. J. Car-window | Nov. 18, 1879 | 626 | 176 | 16 | 916 |
| 214, 639 | Hicks, William H., Brooklyn, N. Y. Bottle-stopper | Apr. 8, 1879 | 356 | 101 | 15 | 526 |
| 216, 614 | Hicks, William M., Bolivar, Mo. Machine for destroying insects | June 17, 1879 | 693 | 198 | 15 | 991 |
| | Hiett, Emery R., *et al.* (*See* Riplinger, John, assignor) (Reissue.) | | | | | |
| 218, 740 | Higgins, Campbell P., East Line, N. Y., assignor, by mesne assignments, to Washburn & Moen Manufacturing Company, Worcester, Mass. Device for applying bale-ties | Aug. 19, 1879 | 733 | 208 | 16 | 339 |
| 218, 741 | Same.....Bale-tying machine | Aug. 19, 1879 | 733 | 209 | 16 | 339 |
| 214, 297 | Higgins, Charles J., Hallowell, Me. Combination-chair | Apr. 15, 1879 | 676 | 190 | 15 | 576 |
| 214, 298 | Same..... Slate | Apr. 15, 1879 | 677 | 190 | 15 | 576 |
| | Higgins & Co., E. S. (*See* Duckworth, John C., assignor.) | | | | | |
| 215, 617 | Higgins, Hibbard A., Aurora, Ill. Attachment to thrashing-machines | May 20, 1879 | 754 | 220 | 15 | 813 |
| 213, 568 | Higgins, John, Berkshire, N. Y. Preparing and packing butter | Mar. 25, 1879 | 917 | 261 | 15 | 439 |
| 214, 132 | Higginson, Charles M., Chicago, Ill., assignor to Ashcroft Manufacturing Company, Boston, Mass. Oil-testing machine | Apr. 8, 1879 | 477 | 136 | 15 | 540 |
| 212, 465 | High, A. Luquince, Mount Holly, N. J. Picture-exhibitor | Feb. 18, 1879 | 758 | 209 | 15 | 230 |
| 218, 968 | Higham, Enos T., assignor of one-half interest to H. H. Higham, Philadelphia, Pa. Velocipede | Aug. 26, 1879 | 1016 | 285 | 16 | 388 |
| | Higham, Howard H. (*See* Higham, Enos T., assignor.) | | | | | |
| 211, 658 | Hildebrand, Henry F., and G. W. Cain, Baltimore, Md. Lamp | Jan. 28, 1879 | 699 | 196 | 15 | 96 |
| 220, 616 | Hildenbrand, George F., assignor to self, P. J. Eckes, and B. E. Wolbach, New York, N. Y. Button-hole attachment for sewing-machines | Oct. 14, 1879 | 470 | 124 | 16 | 706 |
| | Hilder, F. F., *et al.* (*See* Goodman, Henry, assignor.) | | | | | |
| | Hildreth, Edwin A. (*See* Jennings, George W., assignor) (Reissue.) | | | | | |
| | Hildreth, Henry P., *et al.* (*See* Nye, Charles H., assignor.) | | | | | |
| 213, 654 | Hilgers, Jacob, Rheinbrohl, Prussia. Sheet-metal window-frame | Mar. 25, 1879 | 1009 | 287 | 15 | 452 |
| 222, 905 | Hill, Abner R., Atlanta, Tex. Cotton-scraper | Dec. 23, 1879 | 926 | 266 | 16 | 1168 |
| 222, 046 | Hill, Albert F., Chicago, Ill. Trace-carrier | Nov. 25, 1879 | 1065 | 297 | 16 | 984 |
| 215, 520 | Hill, Benjamin B., Springfield, Mass. Blotting-sheet | May 20, 1879 | 640 | 187 | 15 | 798 |
| 216, 738 | Same.....Blotter-bath for copying-press | June 24, 1879 | 841 | 239 | 15 | 1020 |
| 221, 731 | Same.....Hand-stamp | Nov. 18, 1879 | 688 | 192 | 16 | 924 |
| 8, 531 | Hill, Charles F., assignor to self and G. D. Hill, Baltimore, Md. Shoe (Reissue) | Jan. 7, 1879 | 237 | 69 | 15 | 31 |
| 214, 388 | Hill, Charles B., Nashville, Tenn. Middlings-separator | Apr. 15, 1879 | 794 | 223 | 15 | 590 |
| 216, 676 | Hill, Charles F., Hazleton, Pa. School-desk | June 17, 1879 | 755 | 215 | 15 | 999 |
| 216, 677 | Same.....Stove | June 17, 1879 | 756 | 216 | 15 | 999 |
| 222, 700 | Hill, Cyrus S., Epping, N. H. Horseshoe | Dec. 16, 1879 | 690 | 198 | 16 | 1123 |
| | Hill, David D. (*See* Hill, James M. and D. D.) | | | | | |
| | Hill, David K. (*See* Braun, Joseph, assignor.) | | | | | |
| 216, 408 | Hill, Edwin A., Reading, Mass. Vulcanized-rubber face for metallic brushes | June 10, 1879 | 458 | 131 | 15 | 950 |
| 213, 508 | Hill, Frank A., San Leandro, Cal. Wagon | Mar. 25, 1879 | 848 | 241 | 15 | 431 |
| 216, 956 | Same.....Vehicle-wheel | July 1, 1879 | 33 | 10 | 16 | 6 |
| | Hill, Franklin O. (*See* Noyes, Joseph, assignor.) | | | | | |
| 217, 374 | Hill, George C., Eau Claire, Wis. Sand-band for vehicle-wheels | July 8, 1879 | 500 | 145 | 16 | 67 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Hill, George D. (*See* Hill, Charles F., assignor) (Reissue.) | | | | | |
| 215,459 | Hill, Hampton E., Biddeford, Me. Holdback for vehicles | May 13, 1879 | 445 | 133 | 15 | 762 |
| 221,411 | Hill, Henry C., Middletown, Conn. Nut-lock | Nov. 11, 1879 | 320 | 87 | 16 | 865 |
| 218,742 | Hill, James, Wilkesbarre, Pa. Combined step and extension ladder | Aug. 19, 1879 | 735 | 209 | 16 | 340 |
| 222,045 | Hill, James A., Davis Cross Roads, Ala. Combined seed-planter and fertilizer-distributer | Nov. 25, 1879 | 1063 | 297 | 16 | 984 |
| 218,025 | Hill, James M. and D. D., Logan, Kans. Manufacture of plow-irons | July 29, 1879 | 1255 | 359 | 16 | 202 |
| 211,733 | Hill, John, South Norwalk, Conn. Pill-machine | Jan. 28, 1879 | 782 | 220 | 15 | 107 |
| 212,222 | Hill, John, West Meriden, Conn. Reed-organ | Feb. 11, 1879 | 461 | 127 | 15 | 187 |
| 220,024 | Hill, John J., Asheville, N. C. Tucker for sewing-machines | Sept. 30, 1879 | 1113 | 308 | 16 | 592 |
| 214,913 | Hill, Joseph, assignor to self and J. R. T. Ryan, Williamsport, Pa. Car starter and brake | Apr. 29, 1879 | 1400 | 389 | 15 | 683 |
| 217,375 | Hill, Joseph, Williamsport, Pa. Spring-whiffletree | July 8, 1879 | 501 | 145 | 16 | 76 |
| 222,906 | Same.....Car-starter | Dec. 23, 1879 | 926 | 267 | 16 | 1168 |
| 222,400 | Hill, Lucian, assignor to T. C. Bates, North Brookfield, and D. H. Fanning, Worcester, Mass. Corset-steel fastening | Dec. 9, 1879 | 319 | 90 | 16 | 1063 |
| 211,906 | Hill, Lysander S., Grand Rapids, Mich. Spoon-bait hook | Feb. 4, 1879 | 95 | 28 | 15 | 138 |
| 215,123 | Hill, Ralph, New York, N. Y. Picture-frame | May 6, 1879 | 167 | 47 | 15 | 722 |
| 219,262 | Hill, Richard H., New Haven, Conn. Safety-elevator | Sept. 2, 1879 | 238 | 68 | 16 | 442 |
| 214,133 | Hill, Thomas, Jersey City, N. J. Hand-truck | Apr. 8, 1879 | 478 | 136 | 15 | 540 |
| 213,198 | Hill, Thomas S., Detroit, Mich. Whiffletree | Mar. 11, 1879 | 511 | 142 | 15 | 370 |
| 213,199 | Hill, Thomas W., Saint Charles, Minn., assignor of one-half interest to G. P. Millis, Osceola, Iowa. Door-spring | Mar. 11, 1879 | 512 | 142 | 15 | 370 |
| | Hill, Wade H. (*See* Rheutan, Abram A., assignor.) | | | | | |
| 214,389 | Hill, Warren S., assignor to J. A. Robbins, Boston, Mass. Circular saw | Apr. 15, 1879 | 796 | 223 | 15 | 590 |
| 214,390 | Same.....same | Apr. 15, 1879 | 796 | 223 | 15 | 591 |
| 218,880 | Hill, Warren S., Hyde Park, Mass. Fastening for shoes | Aug. 26, 1879 | 926 | 259 | 16 | 375 |
| 222,186 | Same.....Combined ice tongs, pick, and hatchet | Dec. 2, 1879 | 81 | 20 | 16 | 1019 |
| 219,724 | Hill, William, Henderson, Tex. Bale-tie | Sept. 16, 1879 | 766 | 211 | 16 | 528 |
| 215,745 | Hill, William F., Baltimore, Md. Button-hole for shoes | May 27, 1879 | 890 | 260 | 15 | 839 |
| 221,557 | Hille, Paul, assignor to self and L. C. Hauenstein, Union, N. J. Machine for cleaning and polishing boots and shoes | Nov. 11, 1879 | 492 | 135 | 16 | 889 |
| 220,615 | Hiller, George W., Brooklyn, N. Y. Fire-place heater | Oct. 14, 1879 | 469 | 124 | 16 | 706 |
| 215,618 | Hills, Frederick C., Sioux City, Iowa. Sleeping-car berth | May 20, 1879 | 755 | 221 | 15 | 813 |
| 222,994 | Hills, Jacob, Haydenville, Mass. Faucet | Dec. 30, 1879 | 1033 | 296 | 16 | 1193 |
| 217,795 | Hillyer, Philetus B., assignor to M. J. Hurd, Rochester, Minn. Combined forge, emery-wheel, and drill | July 22, 1879 | 988 | 283 | 16 | 161 |
| 216,274 | Hilton, Charles W., Bacon Hill, N. Y. Bosom-ironing board | June 10, 1879 | 302 | 88 | 15 | 930 |
| 220,241 | Hilton, James, Newark, N. J. Can-opener | Oct. 7, 1879 | 37 | 9 | 16 | 640 |
| 216,039 | Hilton, Samuel F., Providence, R. I. Paper collar | June 3, 1879 | 36 | 10 | 15 | 889 |
| 218,969 | Hilton, William, Waltham, Mass. Loom for weaving straw matting | Aug. 26, 1879 | 1017 | 286 | 16 | 388 |
| 221,654 | Himelsbach, John, and G. Wenninger, Lancaster, Pa. Shifting-seat for vehicles | Nov. 11, 1879 | 588 | 164 | 16 | 903 |
| | Hinckley & Egery Iron Company. (*See* Penney, Benjamin F., assignor.) | | | | | |
| 213,109 | Hinckley, Hermon, and N. H. Culver, Williamsport, Pa. Velocipede | Mar. 11, 1879 | 412 | 114 | 15 | 358 |
| 211,572 | Hinden, Matthias J., assignor of one-half interest to E. W. Voigt, Detroit, Mich. Rotary water-meter | Jan. 21, 1879 | 582 | 164 | 15 | 77 |
| 215,001 | Hinderliter, Isaac N., Cranberry Township, Venango County, Pa. Tube-clamp for oil-wells | May 6, 1879 | 21 | 8 | 15 | 705 |
| 218,743 | Hinds, Aaron J., Boston, Mass. Clamp for securing brush-handles | Aug. 19, 1879 | 735 | 209 | 16 | 340 |
| 222,496 | Hinds, Nehemiah E., Cooperstown, N. Y. Hop-scoop | Dec. 9, 1879 | 438 | 125 | 16 | 1078 |
| 211,573 | Hine, Miller J., Anderson, Tex. Door-securer | Jan. 21, 1879 | 583 | 164 | 15 | 77 |
| 211,734 | Hines, James J., Savannah, Ga. Cotton-press | Jan. 28, 1879 | 783 | 220 | 15 | 107 |
| 220,617 | Hinkle, James V., Hinkle's Ferry, Tex. Vehicle-axle lubricator | Oct. 14, 1879 | 472 | 124 | 16 | 706 |
| 8,664 | Hinkle, Philip, San Francisco, Cal. Hatch for street-elevators (Reissue) | Apr. 8, 1879 | 587 | 166 | 15 | 555 |
| 220,758 | Same.....Elevator | Oct. 21, 1879 | 641 | 171 | 16 | 737 |
| 220,715 | Hinklein, Jacob, New York, N. Y. Fire-clay or cement to make the joints of stoves and fire-places | Oct. 21, 1879 | 592 | ..... | 16 | 730 |
| 220,921 | Hinkley, Benjamin, Stoughton, assignor of one-half interest to H. G. Hinkley, North Middleborough, and A. S. Johnston, Boston, Mass. Car-wheel journal | Oct. 28, 1879 | 835 | 223 | 16 | 771 |
| | Hinkley, Howard G., *et al.* (*See* Hinkley, Benjamin, assignor.) | | | | | |
| 217,376 | Hinkley, William B., assignor to self and S. L. Winings, Indianapolis, Ind. Combined coffee-roaster and oven | July 8, 1879 | 501 | 146 | 16 | 76 |
| 216,409 | Hinks, Edwin S., Baltimore, and S. M. Hinks, Urbana, Md. Hose-support | June 10, 1879 | 459 | 131 | 15 | 950 |
| | Hinks, Samuel M. (*See* Hinks, Edwin S. and S. M.) | | | | | |
| 212,223 | Hinman, Edward L., Columbus, Ohio. Sliding-socket for scythe-snaths | Feb. 11, 1879 | 461 | 128 | 15 | 187 |
| 211,735 | Hinman, Marshall L., Dunkirk, N. Y. Tank for transporting gas, oil, &c | Jan. 28, 1879 | 784 | 220 | 15 | 107 |
| 221,306 | Hinman, William C., Leavenworth, Kans. Ball-trap | Nov. 4, 1879 | 183 | 51 | 16 | 837 |
| 214,134 | Hinrichs, Charles F. A., Brooklyn, N. Y. Reservoir for student-lamps | Apr. 8, 1879 | 479 | 136 | 15 | 540 |
| 215,220 | Hintz, Theodore G., Chagrin Falls, Ohio. Sap-spout | May 13, 1879 | 289 | 85 | 15 | 742 |
| 221,679 | Hippard, Emanuel, and E. P. Ross, Lebanon, Pa. Tire-tightener | Nov. 18, 1879 | 628 | 176 | 16 | 917 |
| 212,799 | Hippert, William L., Galesburg, Ill. Brick-pressing machine | Mar. 4, 1879 | 22 | 8 | 15 | 300 |
| 218,628 | Hironimus, John, Mount Vernon, Ind. Vehicle-spring | Aug. 19, 1879 | 620 | 174 | 16 | 323 |
| 221,307 | Hirsch, John C., assignor of one-half interest to H. H. Wanger, Philadelphia, Pa. Drawer-support | Nov. 4, 1879 | 184 | 51 | 16 | 838 |
| | Hirsch, Michael C. (*See* Lynn, William S., assignor.) | | | | | |
| 216,410 | Hirsch, Peter B., Denver, Colo. Tug-coupling | June 10, 1879 | 460 | 131 | 15 | 950 |
| 220,759 | Hirschfeld, Henry W., assignor to Meriden Britannia Company, West Meriden, Conn. Tool for ornamenting plated ware | Oct. 21, 1879 | 642 | 171 | 16 | 737 |
| | Hirsh, Adolph. (*See* Cutler, Thomas O., assignor.) | | | | | |
| 221,232 | Hirsh, Joseph M., Chicago, Ill. Process and apparatus for deodorizing and disinfecting | Nov. 4, 1879 | 102 | 27 | 16 | 826 |
| | Hiser, Daniel B. (*See* Leach & Hiser.) | | | | | |
| 215,002 | Hiser, Daniel B., assignor of one-half interest to J. K. McBride, Wooster, Ohio. Force-pump | May 6, 1879 | 22 | 8 | 15 | 706 |
| 213,200 | Hisley, John P., Syracuse, N. Y. Harness-buckle | Mar. 11, 1879 | 513 | 142 | 15 | 371 |
| 218,816 | Same.....Tie-loop | Aug. 26, 1879 | 845 | 237 | 16 | 364 |
| 217,377 | Hislop, George R., Paisley, Renfrew County, North Britain. Revivifying spent lime | July 8, 1879 | 502 | 146 | 16 | 76 |
| | Histed, Margaret E., *et al.* (*See* Histed, Thaddeus C., assignor.) | | | | | |
| 218,970 | Histed, Thaddeus C., assignor to G. L. and S. C. Meddick and M. E. Histed, Junction City, Kans. Washing-machine | Aug. 26, 1879 | 1019 | 286 | 16 | 388 |
| 218,971 | Histed, Thaddeus C., assignor to M. E. Histed and A. W. Callen, Junction City, Kans. Grain-separator | Aug. 26, 1879 | 1019 | 286 / 287 | 16 | 388 |
| | Hitchcock, Arnold. (*See* Marsland & Hitchcock.) | | | | | |
| 212,380 | Hitchcock, Charles B., Indianapolis, Ind. Mechanical movement | Feb. 18, 1879 | 647 | 181 | 15 | 215 |
| | Hitchcock, Helen M., *et al.* (*See* Barlow, Elisha T., assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Drg. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 215, 221 | Hitchcock, Henry, Mount Vernon, Ill. Picture-exhibitor | May 13, 1879 | 290 | 85 | 15 | 742 |
| 214, 822 | Hitchcock, James M., assignor of one-half interest to S. E. Miller, Michigan City, Ind. Device for teaching arithmetic | Apr. 29, 1879 | 1303 | 364 | 15 | 671 |
| 212, 224 | Hitchcock, Jonathan, Saint Paul, Minn. Sand-band for vehicle-wheels | Feb. 11, 1879 | 462 | 128 | 15 | 187 |
| 222, 401 | Hitchcock, Marcena, Hartford, Conn. Knitting-machine | Dec. 9, 1879 | 320 | 90, 91 | 16 | 1063 |
| 220, 377 | Hitchcock, Roswell D., jr., Washington, D. C. Cartridge-box | Oct. 7, 1879 | 188 | 50 | 16 | 660 |
| 216, 957 | Hitchcock, Silvester S., Des Moines, Iowa. Platform-balances | July 1, 1879 | 34 | 10, 11 | 16 | 7 |
| 216, 411 | Hitter, Jean A., jr., Saint Martinsville, La. Printing-telegraph | June 10, 1879 | 461 | 131, 132 | 15 | 950 |
| | Hoadley, Frank B., *et al.* (*See* Sweetland, Jerome B., assignor.) | | | | | |
| 214, 914 | Hoadley, Isaac N., Bradford, Pa. Salt or oil well packing | Apr. 29, 1879 | 1401 | 389 | 15 | 683 |
| 211, 736 | Hoadley, Robert, assignor of one-half interest to R. R. Colburn, Ansonia, Conn. Lamp-burner | Jan. 28, 1879 | 786 | 221 | 15 | 107 |
| 212, 002 | Hoag, Andrew J., Battle Creek, Mich. Spark-arrester | Feb. 4, 1879 | 202 | 58 | 15 | 152 |
| 216, 184 | Hoag, George, New York, N. Y. Combined scale and corn-tester | June 3, 1879 | 184 | 55 | 15 | 908 |
| | Hoagland, John, *et al.* (*See* Appleton, William, assignor.) | | | | | |
| 215, 059 | Hobart, Joseph, Nordhoff, Cal. Manufacture of boots and shoes | May 6, 1879 | 84 | 25 | 15 | 713 |
| 211, 157 | Hobbs, Alfred C., Bridgeport, Conn., assignor to Union Metallic Cartridge Company. Machine for filling cartridge-shells with varnish | Jan. 7, 1879 | 88 | 27 | 15 | 12 |
| 218, 629 | Hobbs, Alfred C., Bridgeport, Conn. Gun-wad | Aug. 19, 1879 | 621 | 174 | 16 | 323 |
| 215, 610 | Hobbs, Charles W., United States Army. Tent | May 20, 1879 | 744 | 217 | 15 | 811 |
| 213, 987 | Hobbs, Joseph D., Mediapolis, Iowa. Bevel | Apr. 8, 1879 | 291 | 84 | 15 | 518 |
| 214, 040 | Same.....Sand-sifting machine | Apr. 8, 1879 | 357 | 102 | 15 | 526 |
| 220, 837 | Hobbs, Joseph D., Burlington, Iowa. Trace-carrier | Oct. 21, 1879 | 732 | 195 | 16 | 748 |
| 221, 732 | Hobbs, Joseph D., Mediapolis, Iowa. Weather-board gage | Nov. 18, 1879 | 689 | 192 | 16 | 925 |
| 222, 354 | Same.....Combined square and bevel | Dec. 9, 1879 | 273 | 76 | 16 | 1056 |
| 217, 106 | Hobbs, Samuel, assignor of two-thirds interest to J. Meese, jr., and W. M. Johnston, Wilmot, Ohio. Gate | July 1, 1879 | 203 | 58 | 16 | 28 |
| 213, 420 | Hobson, Joseph W., New York, N. Y. Garden-roller | Mar. 18, 1879 | 753 | 212 | 15 | 411 |
| 219, 943 | Same.....Horse hay-rake | Sept. 23, 1879 | 1018 | 283 | 16 | 571 |
| 213, 421 | Hochstrate, Heinrich, Zeche Rheinpreussen, Homberg-on-the-Rhine, Germany. Machinery for separating ores | Mar. 18, 1879 | 753 | 212 | 15 | 411 |
| | Hocking Valley Manufacturing Company. (*See* Shephard, Joseph A., assignor.) | | | | | |
| | Hoddinott, John W. (*See* Christopher, John M., assignor.) | | | | | |
| | Hodge, Abbott L., administrator. (*See* Hodge, Nehemiah) (Reissue.) | | | | | |
| 8, 971 | Hodge, Nehemiah, deceased, A. L. Hodge, administrator and assignor to G. Westinghouse, jr., Pittsburg, Pa. Vacuum railway-brake (Reissue) | Nov. 18, 1879 | 893 | 250 | 16 | 953 |
| | Hodge, Samuel F. (*See* Scholes, James, assignor.) | | | | | |
| 214, 659 | Hodge, Samuel F., Detroit, Mich. Apparatus for pulverizing metalliferous quartz, &c. | Apr. 22, 1879 | 1105 | 309 | 15 | 638 |
| 211, 329 | Hodgen, Samuel P., Martling, Mo. Tobacco-pressing machine | Jan. 14, 1879 | 306 | 91 | 15 | 40 |
| 211, 330 | Same.....Barrel-making machine | Jan. 14, 1879 | 307 | 91 | 15 | 41 |
| 216, 185 | Hodges, Addison S., assignor of one-half interest to W. L. Davis, Chelsea, Mass. Sink trap and valve | June 3, 1879 | 185 | 55 | 15 | 908 |
| 217, 108 | Hodges, Frank, and G. A. Healey, Leicester, Leicester County, England. Umbrella | July 1, 1879 | 205 | 59 | 16 | 28 |
| 216, 090 | Hodges, James C., assignor of one-half interest to E. G. and L. N. Bruce, Morristown, Tenn. Grub-puller | June 3, 1879 | 90 | 26 | 15 | 896 |
| 217, 218 | Hodges, James C., and A. A. Hull, Morristown, Tenn. Revolving fire-arm | July 8, 1879 | 337 | 100 | 16 | 55 |
| | Hodges, John F. (*See* Hodges, William, assignor.) | | | | | |
| 217, 378 | Hodges, William, Philadelphia, Pa. Frying-pan | July 8, 1879 | 504 | 146 | 16 | 76 |
| 216, 678 | Hodges, William, assignor to self and J. F. Hodges, Okolona, Miss. Fertilizer-distributer | June 17, 1879 | 757 | 216 | 15 | 999 |
| 213, 655 | Hodgetts, George, and W. Ostrander, Brooklyn, N. Y., assignors to said Hodgetts. Alarm-whistle for speaking-tubes | Mar. 25, 1879 | 1009 | 287 | 15 | 452 |
| | Hodgkins, Ezra, *et al.* (*See* Welch, Henry J., assignor.) | | | | | |
| 215, 619 | Hodgman, Charles A., assignor to Hodgman & Co., New York, N. Y. Cloak-blanket | May 20, 1879 | 756 | 221 | 15 | 813 |
| 217, 107 | Hodgman, Charles A., Tuckahoe, assignor to Hodgman & Co., New York, N. Y. Combined coat and blanket | July 1, 1879 | 204 | 58 | 16 | 28 |
| | Hodgman & Co. (*See* Hodgman, Charles A., assignor.) | | | | | |
| | Hodgskin, James B. (*See* Jauriet, Charles F., assignor.) | | | | | |
| | Hoe & Co., R. (*See* Cavin, Henry, assignor.) | | | | | |
| | Same.....(*See* Crowell, Luther C., assignor.) | | | | | |
| | Same.....(*See* Gill, George C., assignor.) | | | | | |
| | Same.....(*See* Hoe & Tucker, assignors) (Reissue.) | | | | | |
| | Same.....(*See* Miller, Warren P., assignor.) | | | | | |
| | Same.....(*See* Spalckhaver, William, assignor.) | | | | | |
| 8, 801 | Hoe, Richard M., and S. D. Tucker, New York, N. Y., assignors to R. Hoe & Co. Printing-machine (Reissue) | July 15, 1879 | 837 | 239, 240 | 16 | 131 |
| 211, 848 | Hoe, Richard M., New York, N. Y. Paper-folding machine | Feb. 4, 1879 | 25 | 9 | 15 | 129 |
| 212, 466 | Same.....same | Feb. 18, 1879 | 759 | 209, 210 | 15 | 230 |
| 221, 462 | Same.....Paper-damping machine | Nov. 11, 1879 | 377 | 103, 104 | 16 | 873 |
| 217, 872 | Hoefler, John, Ilion, N. Y. Feeding-device for sewing-machines | July 29, 1879 | 1088 | 313 | 16 | 180 |
| 8, 797 | Hofer, Jacob C., Cincinnati, Ohio. Gilding moldings, &c (Reissue) | July 8, 1879 | 584 | 168 | 16 | 86 |
| 215, 222 | Same.....Gilding moldings | May 13, 1879 | 290 | 85 | 15 | 742 |
| | Hoffer, Amos F., *et al.* (*See* Wellhouse & Hagen, assignors.) | | | | | |
| 222, 702 | Hoffman, Austin D., assignor to C. H. Mitchell, Chicago, Ill. Safety-elevator | Dec. 16, 1879 | 692 | 199 | 16 | 1124 |
| 211, 574 | Hoffman, Clara P., and N. Meyers, Buffalo, N. Y.; said Meyers assignor to said Hoffman. Hemmer for blind-stitch sewing-machines | Jan. 21, 1879 | 583 | 165 | 15 | 78 |
| 8, 967 | Hoffman, Joseph, assignor to J. Reckendorfer, New York, N. Y. Lead and crayon holder (Reissue) | Nov. 18, 1879 | 888 | 249 | 16 | 952 |
| 8, 968 | Same.....Lead and crayon holder (Reissue) | Nov. 18, 1879 | 889 | 249 | 16 | 952 |
| 213, 569 | Same.....same | Mar. 25, 1879 | 918 | 261 | 15 | 439 |
| 213, 570 | Same.....Soluble-ink pen | Mar. 25, 1879 | 920 | 262 | 15 | 439 |
| 213, 571 | Same.....Pen-holder | Mar. 25, 1879 | 920 | 262 | 15 | 440 |
| 215, 521 | Same.....Lead and crayon holder | May 20, 1879 | 641 | 187 | 15 | 798 |
| 218, 267 | Same.....Combined crayon holder and watch-key | Aug. 5, 1879 | 179 | 48 | 16 | 244 |
| 222, 135 | Hoffman, Orville S., assignor to C. R. Steele and V. C. Price, Chicago, Ill. Machine for making yeast-cakes | Dec. 2, 1879 | 20 | 6 | 16 | 1011 |
| 215, 620 | Hoffman, Rutledge T., Eaton, Ohio. School and other desks | May 20, 1879 | 757 | 221 | 15 | 813 |
| 216, 186 | Hoffmann, Charles, New York, N. Y. Gas-regulator | June 3, 1879 | 186 | 55 | 15 | 908 |
| 220, 838 | Same.....Gas-stove | Oct. 21, 1879 | 733 | 195 | 16 | 748 |
| 219, 944 | Hoffmann, Fredrick A., Baldwin City, Kans. Horseshoe | Sept. 23, 1878 | 1019 | 283 | 16 | 572 |
| 216, 852 | Hofman, William E., Fort Omaha, Nebr. Stove-pipe coupling and brace | June 24, 1879 | 975 | 277 | 15 | 1036 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Hofmann, Alves. (*See* Parré, Louis S., assignor.) | | | | | |
| | Hofmann, Edmund. (*See* Meller & Hofmann.) | | | | | |
| 219, 725 | Hofmann, Franz, Leipsic, assignor, by mesne assignments, to C. Warnecke, sr., Hamburg, and firm of M. Meinert, Leipsic, Germany. Preserving meat | Sept. 16, 1879 | 766 | ..... | 16 | 528 |
| 216, 851 | Hofmann, William F., assignor to self and C. M. Ghriskey, Philadelphia, Pa. Hose-coupling | June 24, 1879 | 974 | 277 | 15 | 1036 |
| 218, 026 | Hofmann, William F., assignor of one-half interest to C. M. Ghriskey, Philadelphia, Pa. Padlock | July 29, 1879 | 1256 | 359 | 16 | 202 |
| 219, 945 | Hogan, Hugh F., assignor of one-third interest to J. J. Lash, Albion, Ind. Churn | Sept. 23, 1879 | 1020 | 283 | 16 | 572 |
| 222, 588 | Hogeland, Israel, assignor to self and G. P. Anderson, Indianapolis, Ind. Lifting-jack | Dec. 16, 1879 | 555 | 158 | 16 | 1104 |
| | Hogen Elbow Company. (*See* Cady, Frank P., assignor.) | | | | | |
| 219, 861 | Hoggson, Samuel J., New Haven, Conn. Fountain-type | Sept. 23, 1879 | 925 | 256 | 16 | 559 |
| 219, 862 | Same.....Glass printing and decorating machine | Sept. 23, 1879 | 926 | 256 | 16 | 559 |
| 212, 225 | Hogins, Albert H., Morrisania, N. Y. Table | Feb. 11, 1879 | 463 | 128 | 15 | 188 |
| 222, 497 | Hogue, Lovren E., Sandy Lake, Pa. Injector for steam-boilers | Dec. 9, 1879 | 438 | 125 | 16 | 1078 |
| | Hoisington, Frederick, *et al.* (*See* Jones & Russ, assignors.) | | | | | |
| 221, 308 | Hojer, Thomas G., New York, N. Y. Compound for filling the pores of wood | Nov. 4, 1879 | 185 | ..... | 16 | 838 |
| 217, 873 | Holbrook, Edwin A., and A. E. York, Watertown, N. Y. Window-blind operator | July 29, 1879 | 1089 | 313 | 16 | 181 |
| 8, 551 | Holbrook, Frederick, J. A. Howe, and J. Nourse, assignors to J. Nourse, Boston, Mass. Swivel-plow (Reissue) | Jan. 21, 1879 | 640 | 180 | 15 | 85 |
| 212, 226 | Holbrook, Henry T., and R. H. Pooler, Half Moon Bay, Cal. Road-engine | Feb. 11, 1879 | 464 | 128 | 15 | 188 |
| 219, 474 | Holbrook, Walter A., Milwaukee, Wis. Automatic hatchway-door | Sept. 9, 1879 | 482 | 134 | 16 | 481 |
| 213, 820 | Holbrook, William D., Wankesha, Wis. Dental plate | Apr. 1, 1879 | 98 | 30 | 15 | 485 |
| 218, 530 | Holcomb, Abel P., and A. Heine, assignors to Huntley, Holcomb & Heine, Silver Creek, N. Y. Cleaning the meshes of bolting-screens | Aug. 12, 1879 | 493 | 138 | 16 | 298 |
| 212, 934 | Holcomb, Almon V., Appleton, Wis. Vehicle-wheel hub | Mar. 4, 1879 | 192 | 53 | 15 | 321 |
| 221, 918 | Holcombe, Alfred G., New York, N. Y. Electric-light apparatus | Nov. 25, 1879 | 924 | 259 | 16 | 966 |
| 214, 915 | Holcombe, Clifford A., Little Sioux, Iowa. Weighing apparatus | Apr. 29, 1879 | 1402 | 389 | 15 | 683 |
| | Holcroft, Henry. (*See* Archibald & Holcroft.) | | | | | |
| 221, 818 | Holden, Elbridge G., Philadelphia, Pa., assignor to J. J. Watrous, Cincinnati, Ohio. Mitering attachment for sawing-machines | Nov. 18, 1879 | 797 | 222 | 16 | 938 |
| 216, 091 | Holden, Joseph, Middletown, N. Y. Saw-handle | June 3, 1879 | 90 | 26 | 15 | 896 |
| 222, 047 | Holden, Warren, Philadelphia, Pa., assignor to self and G. M. Huss, New York, N. Y. Drawing-table | Nov. 25, 1879 | 1065 | 297 | 16 | 984 |
| 217, 287 | Holder, Henry, Baltimore, Md. Bung | July 8, 1879 | 407 | 120 | 16 | 64 |
| 214, 139 | Holder, Marion, Hawesville, Ky. Hay-rake machine | Apr. 8, 1879 | 483 | 138 | 15 | 541 |
| | Holder, Paul. (*See* Andre, Emil, assignor.) | | | | | |
| 222, 783 | Holdredge, Martin, Kent, Ohio. Cultivator | Dec. 23, 1879 | 787 | 226 | 16 | 1148 |
| 221, 066 | Holdsworth, William, Philadelphia, Pa. Tire-upsetting machine | Oct. 28, 1879 | 1013 | 269 | 16 | 794 |
| 221, 065 | Holland, Alfred G., Sedalia, Mo. Force-pump | Oct. 28, 1879 | 1012 | 269 | 16 | 794 |
| 212, 935 | Holland, Ashley W., and E. N. McKimm, Lathrop, Mo. Reversible bridle-bit | Mar. 4, 1879 | 193 | 54 | 15 | 321 |
| 217, 006 | Holland, Benjamin, jr., Newport, R. I. Universal joint for fire-engine hose | July 1, 1879 | 82 | 25 | 16 | 13 |
| 211, 575 | Holland, John, Cincinnati, Ohio. Fountain-pen | Jan. 21, 1879 | 584 | 165 | 15 | 78 |
| 222, 187 | Holland, Jonathan G., Sandy Hill, N. Y. Medicated beverage | Dec. 2, 1879 | 81 | ..... | 16 | 1020 |
| | Holland, Thomas C., *et al.* (*See* Kennel, Charles O. G., assignor.) | | | | | |
| 221, 919 | Holland, Timothy, Troy, N. Y. Steam and water gage | Nov. 25, 1879 | 926 | 259 | 16 | 966 |
| 218, 881 | Hollen, William H. H., Fostoria Post-Office, Pa. Stump-puller | Aug. 26, 1879 | 927 | 259 | 16 | 375 |
| 218, 531 | Hollenbeck, Elias R., Denison, Iowa. Car-coupling | Aug. 12, 1879 | 494 | 138 | 16 | 298 |
| 221, 819 | Hollenbeck, William H., Ottawa, Ill. Barrel pivot-clutch | Nov. 18, 1879 | 798 | 222 | 16 | 938 |
| 215, 746 | Holler, Christian, Crum's Point, and J. McDaniel, Walkerton, Ind. Load-binder | May 27, 1879 | 891 | 261 | 15 | 839 |
| 218, 268 | Holler, Peter, Brooklyn, N. Y. Chronometer-movement | Aug. 5, 1879 | 180 | 48 | 16 | 245 |
| | Holley, Alexander L. (*See* Vaston, Euverte & Sourcel, assignors.) | | | | | |
| 215, 360 | Holley, Alexander L., New York, N. Y. Feeding apparatus for rolling-mills | May 13, 1879 | 445 | 133 | 15 | 763 |
| 215, 361 | Same.....Feeding device for rolling-mills | May 13, 1879 | 446 | 133 | 15 | 763 |
| 214, 135 | Hollick, Frederick, New York, N. Y. Vehicle-wheel | Apr. 8, 1879 | 479 | 137 | 15 | 540 |
| 218, 269 | Hollinger, David, Lebanon, Pa. Machine for grinding harvester-knives | Aug. 5, 1879 | 181 | 49 | 16 | 245 |
| 218, 175 | Hollingshead, Caleb H., Washington, N. J. Animal-trap | Aug. 5, 1879 | 79 | 21 | 16 | 231 |
| 217, 463 | Hollingsworth, James, Chicago, Ill. Horse hay-rake | July 15, 1879 | 609 | 174 | 16 | 101 |
| 214, 136 | Hollingsworth, James W., Paoli, Ind. Guide for sewing-machines | Apr. 8, 1879 | 480 | 137 | 15 | 540 |
| | Hollinshead, Charles W. (*See* Leach, Jesse L., assignor.) | | | | | |
| 213, 656 | Hollis, Elijah P., Gaffney City, S. C. Seed-drill and fertilizer-distributer | Mar. 25, 1879 | 1010 | 288 | 15 | 452 |
| 212, 696 | Hollis, Ira., Philadelphia, Pa. Glazing for earthenware | Feb. 25, 1879 | 1024 | ..... | 15 | 273 |
| | Hollister, Frank. (*See* Dunn & Hollister.) | | | | | |
| 218, 972 | Hollstegge, Heinrich, and A. Baumann, Cincinnati, Ohio. Reclining chair for barbers | Aug. 26, 1879 | 1021 | 287 | 16 | 388 |
| | Holly, James H., *et al.* (*See* Gillespie, James E., assignor.) | | | | | |
| 218, 027 | Holly, John, Rouseville, Pa. Rod-adjuster for oil-wells | July 29, 1879 | 1257 | 359 | 16 | 202 |
| 214, 138 | Holly, Sidney B., and J. Jones, Stony Point, Cal. Cultivator | Apr. 8, 1879 | 482 | 137 | 15 | 541 |
| 222, 703 | Holman, Calvin J., Toledo, Ohio. Vehicle-spring | Dec. 16, 1879 | 693 | 199 | 16 | 1124 |
| 222, 498 | Holman, William J., Fort Wayne, Ind., assignor to self, D. A. Beam, Newark, N. J., and H. A. Whaley, San Francisco, Cal. Compound rail | Dec. 9, 1879 | 439 | 126 | 16 | 1078 |
| | Holmes, Booth & Haydens. (*See* Fields, Ezra S., assignor.) | | | | | |
| | Holmes, Britain. (*See* Holmes, Edward and B.) | | | | | |
| | Holmes Burglar Alarm Telegraph Company. (*See* Holmes & Roome, assignors.) (Reissue.) | | | | | |
| | Same.....(*See* Herzberg, Isaac and A., assignors) (Reissue.) | | | | | |
| | Holmes, Charles E. L. (*See* Ferguson, Charles J., assignor.) | | | | | |
| 223, 137 | Holmes, Charles E. L., and W. E. Lawrence, New York, N. Y. Curry-comb | Dec. 30, 1879 | 1201 | 339 | 16 | 1216 |
| 220, 378 | Holmes, Daniel M., Arlington, N. J., assignor to L. A. McCollum, New York, N. Y., executrix of J. McCollum. Cake-machine | Oct. 7, 1879 | 189 | 50 | 16 | 660 |
| 220, 379 | Same.....same | Oct. 7, 1879 | 190 | 51 | 16 | 661 |
| 220, 380 | Same.....same | Oct. 7, 1879 | 191 | 51 | 16 | 661 |
| 211, 907 | Holmes, Ebenezer, Saratoga Springs, N. Y. Corpse cooler or casket | Feb. 4, 1879 | 96 | 28, 29 | 15 | 138 |
| | Holmes, Edgar. (*See* Palmer, Aaron, assignor.) | | | | | |
| 212, 381 | Holmes, Edward and B., Buffalo, N. Y. Keg-trussing machine | Feb. 18, 1879 | 648 | 181, 182 | 15 | 215 |
| 8, 949 | Holmes, Edwin, Brooklyn, N. Y., and H. C. Roome, Jersey City, N. J., assignors, by mesne assignments, to Holmes Burglar Alarm Telegraph Company, New York, N. Y. Electrical envelope for safes, vaults, &c. (Reissue) | Oct. 28, 1879 | 1090 | 287 | 16 | 804 |
| 8, 950 | Same.....Electrical envelope for safes, vaults, &c (Reissue) | Oct. 28, 1879 | 1092 | 288 | 16 | 804 |
| 221, 170 | Holmes, Edwin, and E. T. Greenfield, Brooklyn, N. Y. Telephonic conductor | Nov. 4, 1879 | 37 | 10 | 16 | 817 |
| | Holmes, Mary A. C. (*See* Ballou, Francis D., assignor.) | | | | | |
| 222, 628 | Holmes, Mary A. C., Newport, R. I. Machine for channeling and pricking soles | Dec. 16, 1879 | 607 | 173 | 16 | 1111 |
| 8, 766 | Holmes, Nathan L., Fond du Lac, assignor, by mesne assignments, to Fish Brothers & Co., Racine, Wis. Vehicle-axle skein and box (Reissue) | June 24, 1879 | 1062 | 301 | 15 | 1048 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214, 137 | Holmes, Nathan L., Racine, Wis. Vehicle-axle and skein | Apr. 8, 1879 | 481 | 137 | 15 | 541 |
| 216, 615 | Same.....Axle-skein for vehicles | June 17, 1879 | 694 | 198 | 15 | 991 |
| 213, 988 | Holmes, Nelson, agent of one-half interest to S. W. and G. W. Parsons, Ypsilanti, Mich. Wind-engine | Apr. 8, 1879 | 292 | 845 | 15 | 519 |
| 222, 907 | Holmes, Nelson, Ypsilanti, Mich., assignor to A. B. Prouty, Worcester, Mass. Latch | Dec. 23, 1879 | 928 | 267 | 16 | 1168 |
| 219, 582 | Holmes, Philip H., Gardiner, Me. Temporary binder for papers | Sept. 16, 1879 | 600 | 167 | 16 | 505 |
| | Holmes, William W. (*See* Fowler & Holmes) (Reissue.) | | | | | |
| | Holmwood, James, jr. (*See* Sibley & Holmwood) (Reissue.) | | | | | |
| 216, 568 | Holske, William F., Brooklyn, assignor to R. C. Dorsett, New York, N. Y. Dumb-waiter | June 17, 1879 | 642 | 182 | 15 | 983 |
| 213, 821 | Holt, Hiland A., Nashua, N. H. Sash-lock | Apr. 1, 1879 | 99 | 30 | 15 | 485 |
| 218, 028 | Holt, Hiland A., assignor to J. M. Holt, Nashua, N. H. Machine for mortising doors for locks | July 29, 1879 | 1258 | 359, 360 | 16 | 202 |
| 212, 467 | Holt, Horace, Rutland, Ohio. Breeching-strap for harness | Feb. 18, 1879 | 762 | 211 | 15 | 230 |
| | Holt, Jennie M. (*See* Holt, Hiland A., assignor.) | | | | | |
| 219, 640 | Holt, John P., Cleveland, Ohio. Portable forge | Sept. 16, 1879 | 678 | 187 | 16 | 515 |
| 215, 924 | Holt, John W., Goldsborough, N. C. Artificial teeth | May 27, 1879 | 1093 | 317 | 15 | 864 |
| 215, 223 | Holt, Samuel R., Worthington, Ohio. Bridge-truss | May 13, 1879 | 291 | 85 | 15 | 742 |
| 220, 903 | Holthausen, Frederic, Paris, France. Mica letter and character | Oct. 21, 1879 | 801 | 214 | 16 | 758 |
| 220, 904 | Holthausen, Frederic, New York, N. Y. Making partly-transparent letters | Oct. 21, 1879 | 802 | 215 | 16 | 758 |
| 220, 286 | Holton, Merritt A., Fitchburg, Mass. Leather-skiving machine | Oct. 7, 1879 | 84 | 22, 23 | 16 | 646 |
| 221, 820 | Holton, Samuel, Henderson, Tex. Saw-set | Nov. 18, 1879 | 799 | 222 | 16 | 939 |
| 219, 473 | Holton, Samuel M., Battle Creek, Mich. Carboy-trunnion | Sept. 9, 1879 | 482 | 134 | 16 | 481 |
| 223, 138 | Holton, Simeon, and O. Abbey, Middlebury, Vt., assignors to C. C. Peck, Melrose, Mass. Composition for softening cast-iron | Dec. 30, 1879 | 1202 | ..... | 16 | 1216 |
| 219, 096 | Holup, Frank, assignor to National Horseshoe Company, Chicago, Ill. Machinery for the manufacture of horseshoe-blanks | Sept. 2, 1879 | 44 | 14, 15 | 16 | 418 |
| 215, 925 | Holyoke, Samuel G., assignor of one-half interest to W. F. Laird, Galesburg, and B. Pickrel, Wataga, Ill. Farm-gate support | May 27, 1879 | 1094 | 318 | 15 | 864 |
| 217, 616 | Holzner, Charles, and J. Winstandley, assignors of one-third interest to F. Vohringer, Louisville, Ky. Coal-hod | July 15, 1879 | 776 | 221 | 16 | 123 |
| 211, 659 | Homan, Caleb N., Lawrence, Mass. Spring bed-bottom | Jan. 28, 1879 | 699 | 196 | 15 | 96 |
| | Home Knitter Company. (*See* Essick, Clapp & Tillon, assignors.) | | | | | |
| 220, 147 | Homer, Charles S., Brooklyn, N. Y. Surf-hut for bathing purposes | Sept. 30, 1879 | 1262 | 347 | 16 | 613 |
| 213, 331 | Homrighous, Ervin, Shelbyville, Ill. Sash holder and lock | Mar. 18, 1879 | 668 | 188 | 15 | 399 |
| 221, 559 | Honey, Frederic R., New Haven, Conn. Parallel ruler | Nov. 11, 1879 | 496 | 136 | 16 | 889 |
| 213, 110 | Hood, George H., Chelsea, Mass. Vulcanized-rubber roller for clothes-wringers and other purposes | Mar. 11, 1879 | 413 | ..... | 15 | 358 |
| 215, 456 | Hood, Harrison P., assignor to R. R. Rouse, Indianapolis, Ind. Wrench | May 20, 1879 | 570 | 167 | 15 | 788 |
| 218, 532 | Hooker, William C., Abingdon, Ill. Animal-trap | Aug. 12, 1879 | 496 | 138 | 16 | 298 |
| | Hooper, Nicholas B. (*See* Keenan, William, assignor.) | | | | | |
| 214, 140 | Hooper, William, Ticonderoga, N. Y. Machine for washing ores | Apr. 8, 1879 | 484 | 138 | 15 | 541 |
| 220, 242 | Hoover, Cornelius S., Farmingdale, N. J. Diamond millstone-dressing machine | Oct. 7, 1879 | 38 | 10 | 16 | 640 |
| 217, 219 | Hoover, Henry, Morrison, Ill. Reaper attachment | July 8, 1879 | 338 | 100 | 16 | 55 |
| 222, 784 | Hoover, Isaac, Webster, Ohio. Device for lowering and hoisting earthen tubes in bored wells | Dec. 23, 1879 | 788 | 226 | 16 | 1148 |
| 217, 943 | Hoover, Jacob H., Ashland, assignor of one-half interest to W. L. McDowell, Philadelphia, Pa. Attachment to stoves | July 29, 1879 | 1167 | 334 | 16 | 191 |
| 217, 617 | Hoover, James, Gratis, Ohio. Electric motor | July 15, 1879 | 777 | 221, 222 | 16 | 123 |
| 219, 726 | Hoover, John, Crawfordsville, Ind. Pump | Sept. 16, 1879 | 768 | 212 | 16 | 528 |
| 217, 690 | Hoover, Martin L., Bushnell, Ill. Mechanical telephone | July 22, 1879 | 883 | 251 | 16 | 146 |
| | Hoover, Reuben. (*See* Jayne, John E., assignor.) | | | | | |
| 215, 522 | Hoover, Reuben, assignor of one-half interest to J. E. Jayne, Iowa City, Iowa. Bridge | May 20, 1879 | 642 | 187 | 15 | 798 |
| | Hoover, William, *et al.* (*See* Ozmann, Philipp, assignor.) | | | | | |
| 211, 403 | Hope, Robert A., Saint Joseph, Mo., assignor of one-half interest to G. B. Cluett, Brother & Co., Troy, N. Y. Wrapping-card | Jan. 14, 1879 | 385 | 110 | 15 | 50 |
| | Hopedale Machine Company. (*See* Bancroft, William, assignor.) | | | | | |
| 214, 660 | Hopewell, Andrew J., Edenburg, Va. Turbine water-wheel | Apr. 22, 1879 | 1106 | 310 | 15 | 638 |
| 8, 918 | Hopfen, Anton, New York, N. Y. Combined soap and shaving-box (Reissue) | Sept. 30, 1879 | 1355 | 373 | 16 | 626 |
| 221, 309 | Same.....Brush-cleaner | Nov. 4, 1879 | 186 | 51 | 16 | 838 |
| | Hopkins & Allen Manufacturing Company. (*See* Cilley, George W., assignor.) | | | | | |
| | Hopkins, Anna M. (*See* Hopkins, Sidney W., assignor.) | | | | | |
| | Hopkins, David A. (*See* Hotchkiss, Edgar F., assignor.) | | | | | |
| | Same.....(*See* Stewart, Benjamin F., assignor.) | | | | | |
| 216, 517 | Hopkins, David A., Park Ridge, N. J. Car-axle box | June 17, 1879 | 588 | 167 | 15 | 976 |
| 217, 618 | Same.....Automatic car-brake | July 15, 1879 | 778 | 222 | 16 | 123 |
| | Hopkins & Dickinson Manufacturing Company. (*See* Wadsworth, Herbert, assignor.) | | | | | |
| 217, 288 | Hopkins, Garrett W., Trumansburg, N. Y. Fruit and vegetable drier and bleacher | July 8, 1879 | 407 | 120 | 16 | 64 |
| 219, 477 | Hopkins, George M., New York, assignor to self and C. L. Topliff, Brooklyn, N. Y. Galvanic battery | Sept. 9, 1879 | 485 | 135 | 16 | 482 |
| 214, 823 | Hopkins, Harvey L., Chicago, Ill. Pocket-book | Apr. 29, 1879 | 1304 | 364 | 15 | 671 |
| 219, 475 | Hopkins, Henry N., Taunton, Mass. Railway-switch | Sept. 9, 1879 | 483 | 134 | 16 | 481 |
| 219, 476 | Same.....same | Sept. 9, 1879 | 484 | 134, 135 | 16 | 482 |
| | Hopkins, Israel M. (*See* Dutemple, William R., assignor.) | | | | | |
| | Hopkins, James. (*See* Albro, Egbert L., assignor.) | | | | | |
| | Hopkins, Marcus S. (*See* Helbig & Hasenclever, assignors.) | | | | | |
| | Hopkins, Richard S. (*See* Burkhardt & Hopkins.) | | | | | |
| | Hopkins, R. M. (*See* Tener, Commodore P., assignor.) | | | | | |
| | Hopkins & Robinson Manufacturing Company. (*See* Hart, Hial B., assignor.) | | | | | |
| 218, 882 | Hopkins, Sidney W., assignor to A. M. Hopkins, New York, N. Y. Sign-holder | Aug. 26, 1879 | 928 | 260 | 16 | 376 |
| 218, 883 | Same.....same | Aug. 26, 1879 | 929 | 260, 261 | 16 | 376 |
| 213, 422 | Hopkins, William, Dubuque, Iowa. Steam-boiler | Mar. 18, 1879 | 755 | 212 | 15 | 411 |
| 213, 111 | Hopkins, William W., assignor of one-half interest to Fort Madison Chair Company, Fort Madison, Iowa. Knock-down chair | Mar. 11, 1879 | 414 | 114 | 15 | 358 |
| 211, 096 | Hoppen, Joseph E., Newark, N. J. Grindstone-frame | Jan. 7, 1879 | 18 | 7 | 15 | 3 |
| | Hopper, Garrett H., *et al.* (*See* Evans, George R., assignor.) | | | | | |
| | Hopper, George H. (*See* Deering, Mark L., assignor.) | | | | | |
| | Horan, James H., *et al.* (*See* McNally, Thomas W., assignor.) | | | | | |
| 221, 463 | Horn, Peter, Hagerstown, Md. Thrasher and separator | Nov. 11, 1879 | 381 | 104 | 16 | 873 |
| | Horn, T. G. (*See* Starkey, Chauncey H., assignor.) | | | | | |
| 220, 535 | Hornberger, Louis, assignor to E. Miller & Co., West Meriden, Conn. Extension-lamp | Oct. 14, 1879 | 374 | 97 | 16 | 693 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214, 391 | Hornbostel, Charles, assignor to I. Hornbostel, Brooklyn, N. Y. Treating and curing tobacco | Apr. 15, 1879 | 797 | ..... | 15 | 591 |
| | Hornbostel, Ida. (*See* Hornbostel, Charles, assignor.) | | | | | |
| 211, 158 | Hornby, George, Lewistown, Pa. Die for forging car-wheel tires | Jan. 7, 1879 | 89 | 28 | 15 | 12 |
| | Horne, Caleb H. (*See* Breeding, William P., assignor.) | | | | | |
| | Same.....(*See* Wahl & Eltonhead, assignors.) | | | | | |
| 218, 270 | Horne, Edward G., Calloway, Tex. Cotton-gin hopper | Aug. 5, 1879 | 182 | 49 | 16 | 245 |
| | Horner, John P. (*See* Ammons, John W., assignor.) | | | | | |
| | Hornum Patent Register Manufacturing Company. (*See* Hart, George E., assignor.) | | | | | |
| | Same.....(*See* Hornum, William H., assignor.) | | | | | |
| | Same .....same.....(Reissue.) | | | | | |
| 9, 008 | Hornum, William H., New York, N. Y., assignor to Hornum Patent Register Manufacturing Company. Fare-register.....(Reissue).. | Dec. 30, 1879 | 1279 | 362 | 16 | 1227 |
| 213, 657 | Same.....same | Mar. 25, 1879 | 1011 | 288 | 15 | 452 |
| 214, 661 | Hornum, William H., New York, N. Y. Fare-box | Apr. 22, 1879 | 1107 | 310 | 15 | 638 |
| 214, 777 | Hornum, William H., New York, N. Y., assignor to Hornum Patent Register Manufacturing Company. Fare-register | Apr. 29, 1879 | 1248 | 350 | 15 | 664 |
| 218, 973 | Hornum, William H., assignor of three-fourths interest to A. Hance, New York, N. Y. Fare-box | Aug. 26, 1879 | 1022 | 287 | 16 | 388 |
| 212, 312 | Hornung, Anton N., Chicago, Ill. Sofa-bedstead | Feb. 18, 1879 | 568 | 159 | 15 | 205 |
| 215, 611 | Horrie, David, assignor of one-half interest to A. G. Webber, Keokuk, Iowa. Railway-ditching machine | May 27, 1879 | 745 | 217 | 15 | 811 |
| 218, 176 | Horrie, James A., Morris, Ill. End-gate for wagons | Aug. 5, 1879 | 80 | 21 | 16 | 231 |
| 216, 739 | Horsey, Harvey C., Mount Pleasant, Iowa. Churn | June 24, 1879 | 842 | 240 | 15 | 1020 |
| 217, 464 | Horsley, Peter N., Jersey City, N. J. Blind-slat retainer | July 15, 1879 | 611 | 175 | 16 | 102 |
| 201, 233 | Horst, Adam, Providence, R. I. Ornamental chain | Nov. 4, 1879 | 103 | 27 | 16 | 826 |
| 220, 478 | Horst, Henry, Union Deposit, Pa. Draft apparatus for lime-kiln | Oct. 14, 1879 | 307 | 81 | 16 | 685 |
| | Horstmann, F. Oden, *et al.*, trustees. (*See* Crémérieux, Balthazard, assignor.) | | | | | |
| | Horstman, Walker, *et al.*, trustees. (*See* Crémérieux, Balthazard, assignor.) | | | | | |
| 213, 989 | Horton, Alphonzo C., Indianapolis, Ind. Washing-machine | Apr. 8, 1879 | 294 | 85 | 15 | 519 |
| | Horton, Angell & Co. (*See* Williams, Frank E., assignor.) | | | | | |
| | Horton, Charles. (*See* Burgess, Richard O., assignor.) | | | | | |
| 217, 220 | Horton, Charles H., Rochester Depot, Ohio. Grain-tally | July 8, 1879 | 339 | 100, 101 | 16 | 55 |
| 8, 787 | Horton, Emmet, Hartford, Conn., assignor, by mesne assignments, to S. D. Locke. Grain-binder.....(Reissue).. | July 8, 1879 | 571 | 164, 165 | 16 | 84 |
| | Horton, George W. (*See* Philpott & Horton.) | | | | | |
| 214, 141 | Horton, James J., assignor to Short, Nerney & Co., Attleborough, Mass. Ornamental chain | Apr. 8, 1879 | 486 | 138 | 15 | 541 |
| 218, 680 | Horton, John, Philadelphia, Pa. Refrigerating and ice-making apparatus | Aug. 19, 1879 | 621 | 175 | 16 | 323 |
| 220, 716 | Horton, John H. East Poestenkill, N. Y. Car-coupling | Oct. 21, 1879 | 592 | 158 | 16 | 730 |
| | Hosford, Henry. (*See* Cooper & Hosford.) | | | | | |
| 210, 263 | Hosford, Jay W., assignor of one-half interest to W. W. Lynde, Brattleborough, Vt. Combination writing-desk and sewing-machine cabinet | Sept. 2, 1879 | 239 | 68 | 16 | 442 |
| 216, 275 | Hosford, William B., Chicago, Ill. Locomotive-engine | June 10, 1879 | 303 | 89 | 15 | 930 |
| 221, 560 | Hosmer, Charles P., Belle Plaine, Iowa. Washing-machine | Nov. 11, 1879 | 497 | 136 | 16 | 889 |
| | Hosmer, Frank H. (*See* Shepler & Hosmer.) | | | | | |
| 214, 142 | Hosmer, Harriet G., Rome, Italy. Making artificial marble | Apr. 8, 1879 | 485 | ..... | 15 | 541 |
| 214, 662 | Hostetter, Thomas, assignor of five-eighths interest to J. H. McLean, Saint Louis, Mo. Car-axle box | Apr. 22, 1879 | 1109 | 310 | 15 | 638 |
| 211, 660 | Hotchkiss, Arthur E., Cheshire, Conn. Door-check | Jan. 28, 1879 | 700 | 196 | 15 | 96 |
| 221, 310 | Same.....Clock-movement | Nov. 4, 1879 | 187 | 51, 52 | 16 | 838 |
| 211, 737 | Hotchkiss, Benjamin B., New York, N. Y. Machine-gun | Jan. 28, 1879 | 786 | 221 | 15 | 107 |
| 211, 849 | Same.....same | Feb. 4, 1879 | 27 | 9, 10, 11 | 15 | 130 |
| 217, 874 | Hotchkiss, Edgar F., Unadilla Forks, N. Y., assignor of one-half interest to D. A. Hopkins, Washington, N. J. Seal-lock | July 29, 1879 | 1090 | 314 | 16 | 181 |
| 219, 816 | Hotchkiss, Henry I., Berlin Falls, N. H. Automatic cradle | Sept. 23, 1879 | 886 | 244 | 16 | 553 |
| 221, 561 | Hotchkiss, Timothy D., Cromwell, Conn. Extension-chandelier | Nov. 11, 1879 | 498 | 136 | 16 | 890 |
| 8, 794 | Hotchkiss, Truman, assignor, by mesne assignments, to self and E. Whiting, Stratford, Conn. Friction-wheel.....(Reissue).. | July 8, 1879 | 580 | 167 | 16 | 85 |
| 213, 990 | Hotz, Christoph, Chicago, Ill. Vehicle-axle skein | Apr. 8, 1879 | 295 | 85 | 15 | 519 |
| 214, 143 | Same.....Tongue for trail-wagons | Apr. 8, 1879 | 488 | 138 | 15 | 542 |
| | Hough, Alonzo A. A., *et al.* (*See* Hough, John T., assignor.) | | | | | |
| | Hough, Earl F. (*See* Zink, Harry S., assignor.) | | | | | |
| 215, 818 | Hough, John T., assignor of two-thirds interest to A. A. A. Hough and S. J. Barclay, Pittsburg, Pa. Grain-transfer machine | May 27, 1879 | 976 | 285 | 15 | 850 |
| 213, 424 | Houghtaling, Riley, Great Valley, N. Y. Thill-coupling | Mar. 18, 1879 | 756 | 213 | 15 | 411 |
| 213, 332 | Houghton, Alfred A., assignor to Buffalo Scale Company, Buffalo, N. Y. Scale-beam.. | Mar. 18, 1879 | 669 | 188 | 15 | 399 |
| 213, 423 | Same.....same | Mar. 18, 1879 | 755 | 213 | 15 | 411 |
| 218, 817 | Houghton, Alfred A., Buffalo, N. Y. Scale-pan | Aug. 26, 1879 | 846 | 238 | 16 | 364 |
| | Houghton, Alfred N. (*See* Newman, Charles, assignor.) | | | | | |
| | Houghton, George. (*See* Fuller, Eben E., assignor.) | | | | | |
| 213, 991 | Houghton, Stillman, Worcester, Mass. Stocking-supporter attachment | Apr. 8, 1879 | 296 | 85 | 15 | 519 |
| 216, 569 | Houlahan, Thomas, Saint Louis, Mo. Apparatus for packing meat in cans | June 17, 1879 | 643 | 183 | 15 | 983 |
| 211, 908 | Houlihan, John A., Rochester, N. Y. Apparatus for shaping cutters | Feb. 4, 1879 | 98 | 29 | 15 | 138 |
| 8, 670 | Houpt, John, Springtown, Pa. Compound condensing apparatus for steam-engines. (Reissue) | Apr. 15, 1879 | 884 | 249 | 15 | 603 |
| 222, 908 | House, Charles A., Hyde Park, Mass. Corset | Dec. 23, 1879 | 930 | 267 | 16 | 1169 |
| 212, 554 | House, Henry A., and D. Wheeler, Bridgeport, Conn. Blocking, stretching, and finishing hats | Feb. 25, 1879 | 881 | 243, 244 | 15 | 254 |
| 212, 555 | House, Henry A., Bridgeport, Conn. Instrument for planing hides and skins | Feb. 25, 1879 | 882 | 244 | 15 | 254 |
| 218, 744 | Same.....Flexible shaft | Aug. 19, 1879 | 736 | 209, 210 | 16 | 340 |
| 220, 717 | Same.....Telephone-switch | Oct. 21, 1879 | 593 | 158, 159 | 16 | 730 |
| 221, 549 | House, Henry A., and D. Wheeler, Bridgeport, Conn. Stretching and finishing felt hats | Nov. 11, 1879 | 483 | 132, 133 | 16 | 887 |
| 221, 655 | Same.....Band-fastener for use in the manufacture of felt hats | Nov. 11, 1879 | 589 | 164 | 16 | 903 |
| 221, 733 | House, Henry A., and F. B. Bradbury, Bridgeport, Conn. Heater for railway-cars... | Nov. 18, 1879 | 689 | 193 | 16 | 925 |
| | House, James A. (*See* Wisner & House.) | | | | | |
| | House, John H. B. (*See* Fowler, Joseph C., assignor.) | | | | | |
| 212, 697 | Houston, Edward T., assignor of one-half interest to I. Thurston, Maryville, Mo. Cloth-measuring machine | Feb. 25, 1879 | 1025 | 284 | 15 | 273 |
| | Houston, Edwin J. (*See* Thomson & Houston.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 219, 157 | Houston, Edwin J., and E. Thomson, Philadelphia, Pa. Dynamo-electric machine | Sept. 2, 1879 | 111 | 33 | 16 | 426 |
| 220, 287 | Same.....Regulator for electric lamps | Oct. 7, 1879 | 85 | 23 | 16 | 646 |
| 221, 067 | Houston, Hugh, Pittsburg, Pa. Water-closet cistern | Oct. 28, 1879 | 1014 | 269 | 16 | 794 |
| | Houston, Samuel H., *et al.* (*See* Bonchard, Adolphe, assignor.) | | | | | |
| 213, 886 | Houston, Theodore, Mont Clair, N. J. Drain-cistern | Apr. 1, 1879 | 169 | 50 | 15 | 494 |
| 222, 499 | Honts, Benjamin, Junction City, Kans. Bridge | Dec. 9, 1879 | 440 | 126 | 16 | 1078 |
| 222, 785 | Hovey, Jerry A., Mankato, Minn., O. I. Luce and J. C. Sharp, Evansville, Wis. Car-coupling | Dec. 23, 1879 | 788 | 227 | 16 | 1148 |
| | Hovey, Lewis C. (*See* Binkard, Thomas S., assignor.) | | | | | |
| 222, 188 | Hovey, Lorenzo D., Clinton, Ill. Churn | Dec. 2, 1879 | 82 | 20 | 16 | 1020 |
| 222, 403 | How, Richard W., Brooklyn, N. Y. Seat or bench | Dec. 9, 1879 | 323 | 92 | 16 | 1063 |
| | Howard, Andrew, *et al.* (*See* Arbogast, Philip, assignor.) | | | | | |
| 221, 563 | Howard, Arthur L., assignor to Winchester Repeating Arms Company, New Haven, Conn. Machine for capping cartridge-shells | Nov. 11, 1879 | 501 | 137 | 16 | 890 |
| | Howard, Edwin T. (*See* Field & Howard.) | | | | | |
| | Howard, Elijah. (*See* Loeser, Lazarus, assignor.) | | | | | |
| 222, 822 | Howard, Charles A., Pontiac, Mich. Gas-carbureter | Dec. 23, 1879 | 830 | 238 | 16 | 1154 |
| 213, 286 | Howard, Cornelius A., assignor of one-half interest to J. C. Thompson, New Haven, Conn. Crown-piece for umbrellas | Mar. 18, 1879 | 621 | 175 | 15 | 393 |
| | Howard, George. (*See* Walker, Henry A., assignor.) | | | | | |
| 218, 974 | Howard, James, and E. T. Bousfield, Bedford, England. Grain-binder | Aug. 26, 1879 | 1023 | 287, 288, 289 | 16 | 389 |
| 220, 148 | Howard, James S., assignor to F. G. Bates; said Bates assignor of two-thirds interest to T. Cunningham, L. and G. Brown, H. B. Lincoln, F. P. Pendleton, and H. G. Cunningham, Philadelphia, Pa. Manufacture of aluminium | Sept. 30, 1879 | 1263 | ..... | 16 | 613 |
| 220, 149 | Same.....Manufacture of alloys of aluminium | Sept. 30, 1879 | 1264 | ..... | 16 | 613 |
| | Howard, Lyman, *et al.* (*See* Peck, Richard W., assignor.) | | | | | |
| 219, 863 | Howard, Stanton M., Wheeling, W. Va. Nail-separator | Sept. 23, 1879 | 927 | 256 | 16 | 559 |
| | Howard, Thomas, *et al.* (*See* Shickle, Frederick, assignor.) | | | | | |
| 215, 926 | Howard, William T., Baltimore, Md. Autographic printing | May 27, 1879 | 1095 | ..... | 15 | 865 |
| 214, 392 | Howdon, Robert J., assignor to Cincinnati Coffin Company, Cincinnati, Ohio. Coffin-plate | Apr. 15, 1879 | 798 | 224 | 15 | 591 |
| 217, 380 | Same.....Coffin | July 8, 1879 | 505 | 147 | 16 | 76 |
| 217, 381 | Same.....Coffin-handle | July 8, 1879 | 506 | 147 | 16 | 77 |
| 217, 382 | Howdon, Robert J., Cincinnati, Ohio. Packing-box for hardware | July 8, 1879 | 507 | 147 | 16 | 77 |
| 221, 312 | Howe, George H., Sycamore, Ill. Dust-pan | Nov. 4, 1879 | 192 | 52 | 16 | 839 |
| 216, 325 | Howe, James, and N. Waite, Shasta, Cal. Portable mining-flume | June 10, 1879 | 363 | 104 | 15 | 937 |
| | Howe, James A. (*See* Holbrook, Howe & Nourse).....(Reissue.) | | | | | |
| | Same .... (*See* Nourse & Howe.) | | | | | |
| 219, 264 | Howe, Joshua B., and S. Perry, Readsborough, Vt.; said Perry assignor to said Howe. Adjustable cot-bedstead | Sept. 2, 1879 | 240 | 68 | 16 | 442 |
| | Howe Manufacturing Company. (*See* Piper, Truman, assignor.) | | | | | |
| | Howe, Milton G. (*See* Richardson, John D., assignor.) | | | | | |
| 222, 909 | Howe, Milton G., assignor of one-half interest to J. D. Richardson, Houston, Tex. Device for transmitting rotary motion | Dec. 23, 1879 | 930 | 267 | 16 | 1169 |
| 222, 629 | Howe, Otis, Cambridgeport, Mass. Cot-bed | Dec. 16, 1879 | 608 | 173 | 16 | 1111 |
| 219, 357 | Howe, Solon G., assignor to self and C. M. Dailey, Detroit, Mich. Sample-box | Sept. 9, 1879 | 353 | 100 | 16 | 465 |
| 212, 699 | Howe, William H., Milford, N. H. Machine for filing saws | Feb. 25, 1879 | 1026 | 284, 285 | 15 | 273 |
| 212, 700 | Same .... Machine for setting saws | Feb. 25, 1879 | 1028 | 285 | 15 | 273 |
| 220, 288 | Howe, William T., Steelville, Mo. Clothes-pounder | Oct. 7, 1879 | 88 | 23 | 16 | 647 |
| | Howell, Edward L. (*See* Howell, Stoddart, assignor.) | | | | | |
| 221, 821 | Howell, George, Philadelphia, Pa. Reclaiming low lands | Nov. 18, 1879 | 799 | 222 | 16 | 939 |
| 221, 822 | Same ..... same | Nov. 18, 1879 | 800 | 223 | 16 | 939 |
| 222, 275 | Howell, George W. and G. L., Fletcher, Ohio. Harrow attachment for corn-plows | Dec. 2, 1879 | 179 | 47 | 16 | 1033 |
| | Howell, Gilbert L. (*See* Howell, George W. and G. L.) | | | | | |
| 216, 518 | Howell, Henry F., Sarnia, Ontario, Canada. Converting crude petroleum, without practically changing its volume, into a uniform, purified, and deodorized oil, which may be distilled without the coming over of naphtha, &c | June 17, 1879 | 589 | 167 | 15 | 976 |
| 221, 311 | Howell, James H., assignor to J. T. Boice, Newark, N. J. Turning-lathe | Nov. 4, 1879 | 190 | 52 | 16 | 838 |
| 212, 227 | Howell, John, Sacramento, Cal., assignor to P. K. Dederick, Albany, N. Y. Baling-press | Feb. 11, 1879 | 466 | 129 | 15 | 188 |
| 220, 618 | Howell, John J., and O. H. Wienges, Fort Motte, S. C. Detachable handle for hoes, rakes, &c | Oct. 14, 1879 | 473 | 124 | 16 | 706 |
| 216, 412 | Howell, Stoddart, assignor to E. L. Howell, New Orleans, La. Wharf | June 10, 1879 | 462 | 132 | 15 | 950 |
| 221, 068 | Howell, Thomas, Morgantown, W. Va. Lifting-jack | Oct. 28, 1879 | 1015 | 270 | 16 | 795 |
| 217, 379 | Howell, Thomas N., Circleville, Ohio. Grave-torpedo | July 8, 1879 | 504 | 146 | 16 | 76 |
| | Howells, John R. (*See* Garrett, William, assignor) .....(Reissue.) | | | | | |
| 218, 745 | Howenstine, John, Fort Wayne, Ind. Fastening for shoes, &c | Aug. 19, 1879 | 737 | 210 | 16 | 340 |
| 215, 621 | Hower, Samuel, Cressona, Pa. Post-office cabinet | May 20, 1879 | 757 | 221 | 15 | 813 |
| | Howes, Babcock & Co. (*See* Morse, Orville M., assignor.) | | | | | |
| 213, 425 | Howland, Ransom, Rock Falls, Ill. Hub-attaching device | Mar. 18, 1879 | 757 | 213 | 15 | 411 |
| 215, 612 | Howland, Samuel F., New York, N. Y. Glove and shoe buttoner | May 20, 1879 | 747 | 218 | 15 | 812 |
| 212, 698 | Howse, Henry L., assignor of one-half interest to C. R. Burrage, San Francisco, Cal. Cooking-stove | Feb. 25, 1879 | 1025 | 284 | 15 | 273 |
| | Howson, Henry. (*See* Peberdy, Samuel, assignor.) | | | | | |
| 214, 144 | Howson, Henry, assignor to Enterprise Manufacturing Company, Philadelphia, Pa. Portable grinding and polishing machine | Apr. 8, 1879 | 489 | 139 | 15 | 542 |
| | Howson, Richard. (*See* Godfrey & Howson.) | | | | | |
| 217, 533 | Hoyland, William, Eckland Bridge Works, near Penistone, York County, England. Umbrella-frame | July 15, 1879 | 684 | 194, 195 | 16 | 111 |
| | Hoyle, Ellis J., *et al.* (*See* McKim, George W., assignor.) | | | | | |
| | Hoyle, J. Willits, *et al.* (*See* McKim, George W., assignor.) | | | | | |
| 218, 746 | Hoyt, Edwin, assignor of one-half interest to T. Hoyt, Stamford, Conn. Chain-pump bucket | Aug. 19, 1879 | 738 | 210 | 16 | 340 |
| 221, 313 | Hoyt, Ezra P., New York, N. Y. Hat and cap | Nov. 4, 1879 | 193 | 52 | 16 | 839 |
| 214, 568 | Hoyt, Frederick J., New York, N. Y. Sash-tightener | Apr. 22, 1879 | 1009 | 284 | 15 | 625 |
| | Hoyt, Theodore. (*See* Hoyt, Edwin, assignor.) | | | | | |
| 213, 903 | Hoyt, William H., Sacramento, Cal. Water and steam cock | Apr. 1, 1879 | 186 | 54 | 15 | 496 |
| | Hubbard, Amos F., *et al.* (*See* Richmond, Gilbert M., assignor.) | | | | | |
| 220, 839 | Hubbard, Andrew C., Danbury, Conn. Telephone | Oct. 21, 1879 | 735 | 195 | 16 | 748 |
| | Hubbard, Bakewell & Co. (*See* Osgood, Elijah R., assignor.) | | | | | |
| | Hubbard, Bela, *et al.* (*See* Jenkins, Nicholas, assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 215,124 | Hubbard, Charles W., Boston, Mass. Electric annunciator | May 6, 1879 | 168 | 48, 49 | 15 | 722 |
| 220,760 | Hubbard, Charles W., Pittsburg, Pa. Shovel | Oct. 21, 1879 | 643 | 171 | 16 | 737 |
| 220,840 | Hubbard, Daniel, Oswego, N. Y. Turbine wheel | Oct. 21, 1879 | 736 | 195 | 16 | 748 |
| | Hubbard, Eber. (*See* Hubbard, Marshall E., assignor.) | | | | | |
| | Hubbard, George M. (*See* North & Hubbard.) | | | | | |
| 219,864 | Hubbard, George M., assignor to O. B. North & Co., New Haven, Conn. Trace-buckle | Sept. 23, 1879 | 929 | 257 | 16 | 559 |
| 220,761 | Same.....Trace-carrier | Oct. 21, 1879 | 644 | 171 | 16 | 737 |
| | Hubbard, John F. (*See* Knickerbocker, James A., assignor.) | | | | | |
| 212,701 | Hubbard, Marshall E., assignor to E. Hubbard, Medina, N. Y. Hoop | Feb. 25, 1879 | 1029 | 285 | 15 | 274 |
| | Hubbard, William, *et al.* (*See* Richmond, Gilbert M., assignor.) | | | | | |
| | Hubbell, Abijah. (*See* Hutchinson & Hubbell.) | | | | | |
| 214,145 | Hubbell, Thomas J., Yountville, assignor of one-half interest to J. Bateman, Oakville, Cal. Sickle-grinder | Apr. 8, 1879 | 490 | 139 | 15 | 542 |
| 211,630 | Hubbell, William W., Washington, D. C. Alloy for coin | Jan. 28, 1879 | 663 | ..... | 15 | 91 |
| 211,900 | Same.....Alloy for metric gold coin | Feb. 4, 1879 | 100 | ..... | 15 | 138 |
| 212,313 | Same.....Cartridge | Feb. 18, 1879 | 569 | 159 | 15 | 205 |
| 219,097 | Same.....Alloy for jewelry | Sept. 2, 1879 | 45 | ..... | 16 | 418 |
| 219,265 | Same.....Alloy metal for metric silver coin and silver-ware | Sept. 2, 1879 | 241 | ..... | 16 | 442 |
| 223,139 | Hubel, Frederick A., Detroit, Mich. Machine for cutting off gelatine capsules | Dec. 30, 1879 | 1203 | 339 | 16 | 1216 |
| 223,140 | Same.....Device for removing capsules from molds | Dec. 30, 1879 | 1204 | 340 | 16 | 1216 |
| 219,946 | Huber, Berthold, Brooklyn, N. Y. Fountain | Sept. 23, 1879 | 1021 | 284 | 16 | 572 |
| 212,936 | Huber, Edward, Marion, Ohio. Feed-water heater | Mar. 4, 1879 | 194 | 54 | 15 | 321 |
| | Huber, Henry. (*See* Lampert & Huber.) | | | | | |
| 215,747 | Hubert, Charles C. G., New York, N. Y. Clasp or clip for holding ribbons | May 27, 1879 | 892 | 261 | 15 | 839 |
| | Hübner, Ernst. (*See* Wegelin, Albert, assignor.) | | | | | |
| 222,786 | Huckaba, Albert H., Charleston, Ill. Sliding and swinging gate hinge | Dec. 23, 1879 | 789 | 227 | 16 | 1148 |
| | Huddle, Stephen G. (*See* Laughlin, Abner G., assignor.) | | | | | |
| 219,478 | Hudson, Charles A., Saltillo, Tenn. Post-hole auger | Sept. 9, 1879 | 486 | 135 | 16 | 482 |
| 216,958 | Hudson, Edward P., New York, N. Y. Peat-machine | July 1, 1879 | 35 | 11 | 16 | 7 |
| | Hudson, James W. (*See* Livesey, Thomas E., assignor.) | | | | | |
| 8,748 | Hudson, John, Detroit, Mich. Hame attachment (Reissue) | June 10, 1879 | 555 | 159 | 15 | 963 |
| 218,631 | Same.....Halter-trimming | Aug. 19, 1879 | 622 | 175 | 16 | 323 |
| | Hudson, John W. (*See* Rollins & Hudson.) | | | | | |
| 220,619 | Hudson, Richard, Chorlton Cum Hardy, H. Grimshaw, Manchester, and C. Cronshaw (executor of J. Briggs, deceased), Bolton, Lancaster County, England. Transferring patterns to fabrics | Oct. 14, 1879 | 474 | ..... | 16 | 706 |
| 212,468 | Hudson, Samuel W., Hudsondale, Pa. Pipe-wrench | Feb. 18, 1879 | 762 | 211 | 15 | 230 |
| | Hueston, John. (*See* Pearson, Jacob L., assignor.) | | | | | |
| 219,266 | Huff, George R., Tomah, Wis. Saw-filing machine | Sept. 2, 1879 | 242 | 68 | 16 | 442 |
| 219,479 | Huffaker, Jacob, Gap Creek, Tenn. Hay and cotton press | Sept. 9, 1879 | 486 | 135, 136 | 16 | 482 |
| | Huffman, Logan J. (*See* Crook & Huffman.) | | | | | |
| 214,146 | Huffman, Philip, Neoga, assignor of one-half interest to J. A. Elder, Prairie City, Ill. Portable fence | Apr. 8, 1879 | 491 | 139 | 15 | 542 |
| 220,762 | Huffman, Samuel, Matanzas, Kans. Speculum and electric light | Oct. 21, 1879 | 645 | 172 | 16 | 737 |
| | Huffman, William S., *et al.* (*See* Kreis, Martin, assignor.) | | | | | |
| 213,333 | Hughes, Alfred, Baltimore, Md. Canceling-stamp | Mar. 18, 1879 | 670 | 188 | 15 | 369 |
| 219,865 | Hughes, Charles M., Lima, Ohio. Hinge-joint for school desks and seats | Sept. 23, 1879 | 929 | 257 | 16 | 559 |
| 222,500 | Hughes, David W., Hamilton, Ohio. Horse or hand hoe tooth | Dec. 9, 1879 | 441 | 126 | 16 | 1079 |
| 212,702 | Hughes, Harvey, Wheat Ridge, Ohio. Drag-sawing machine | Feb. 25, 1879 | 1030 | 285 | 15 | 274 |
| 215,622 | Hughes, James E., assignor to self and M. O'Brien, Barnhart's Mills, Pa. Drill-jar | May 20, 1879 | 758 | 222 | 15 | 813 |
| 213,047 | Hughes, James R., Saugus, Mass. Combined flour scoop and sifter | Mar. 11, 1879 | 332 | 94 | 15 | 318 |
| 213,426 | Hughes, John A., and C. R. Risden, Philadelphia, Pa. Open sign | Mar. 18, 1879 | 758 | 213 | 15 | 411 |
| 212,228 | Hughes, Marshall J., Jersey City, N. J. Apparatus for casting stereotypes | Feb. 11, 1879 | 467 | 129 | 15 | 188 |
| 212,937 | Same.....Stereotype-cast | Mar. 4, 1879 | 195 | 54 | 15 | 321 |
| 222,910 | Same.....Stereotype-casting box | Dec. 23, 1879 | 932 | 268 | 16 | 1109 |
| 212,382 | Hughes, Patrick K., Auburn, N. Y. Vehicle-axle box | Feb. 18, 1879 | 650 | 182 | 15 | 215 |
| 212,003 | Hughes, William C., London, England. Lamp for burning paraffine or mineral oils | Feb. 4, 1879 | 203 | 58 | 15 | 152 |
| 218,533 | Hughson, Benjamin F., assignor to self and E. Baxter, Cold Spring, N. Y. Utensil for the manufacture of polishing-powder from coal-ashes | Aug. 12, 1879 | 496 | 139 | 16 | 298 |
| 218,975 | Hugill, James, Woodbridge, Cal. Cultivator, harrow, and seed-sower | Aug. 26, 1879 | 1027 | 289 | 16 | 389 |
| 215,927 | Huke, Johann W. T., Hamburg, Germany. Child's carriage | May 27, 1879 | 1096 | 318 | 15 | 865 |
| 218,747 | Hulbert, Arthur G., Marshalltown, Iowa. Fence | Aug. 19, 1879 | 739 | 210 | 16 | 349 |
| 214,916 | Hulbert, Newton M., and T. F. Elliott, Binghamton, N. Y. Grain-cradle | Apr. 29, 1879 | 1404 | 389 | 15 | 654 |
| 222,189 | Hulburt, Henry H., Philadelphia, Pa. Cap for lamp-globes | Dec. 2, 1879 | 83 | 20 | 16 | 1020 |
| | Hulin, John S. (*See* Richard, Jean E., assignor.) | | | | | |
| 211,738 | Hulings, Marcus, Oil City, Pa. Marine governor | Jan. 28, 1879 | 789 | 222 | 15 | 168 |
| | Hull, Alfred A. (*See* Hodges & Hull.) | | | | | |
| 213,509 | Hull, David F., assignor to Hagerstown Agricultural Implement Manufacturing Company, Hagerstown, Md. Seeder and fertilizer-distributer | Mar. 25, 1879 | 849 | 241 | 15 | 431 |
| 215,748 | Same.....Fertilizing attachment for grain-drills | May 27, 1879 | 893 | 261 | 15 | 839 |
| 215,221 | Hull, Douglass W., Maine, N. Y. Milk-cooler | July 8, 1879 | 340 | 101 | 16 | 55 |
| | Hull, F. A. (*See* Belden, Russell A., assignor.) | | | | | |
| | Hull, Frederick A. (*See* Colwell, Myron W., assignor) (Reissue.) | | | | | |
| 216,679 | Hull, George H., Montello, Wis. Insect-destroyer | June 17, 1879 | 758 | 216 | 15 | 999 |
| 222,995 | Hull, Hubert H., assignor to Sherwin, Williams & Co., Cleveland, Ohio. Can | Dec. 30, 1879 | 1034 | 296 | 16 | 1193 |
| | Hull, John W. (*See* Hull, Matthew R. and J. W.) | | | | | |
| 217,875 | Hull, Liverus, Boston, Mass. Coffee-huller | July 29, 1879 | 1092 | 314 | 16 | 181 |
| 217,944 | Hull, Matthew R., Cincinnati, Ohio, and J. W. Hull, Alquina, Ind.; said J. W. Hull assignor to said M. R. Hull. Horse-detacher | July 29, 1879 | 1168 | 334 | 16 | 191 |
| 221,464 | Hull, Nicholas A., Peru, Ind. Drawer-lock | Nov. 11, 1879 | 382 | 105 | 16 | 873 |
| | Hull, Selah A., *et al.* (*See* Alexander, Thomas S., assignor.) | | | | | |
| | Hull, Selah A. (*See* Donovan, George L., assignor.) | | | | | |
| 221,069 | Hull, Varnum T., Chicago, Ill. Head-dress | Oct. 28, 1879 | 1015 | 270 | 16 | 795 |
| 220,620 | Hull, Wesley, and W. Miller, Fort Wayne, Ind.; said Hull assignor to said Miller. Washing-machine | Oct. 14, 1879 | 474 | 125 | 16 | 707 |
| 222,823 | Hullinger, Lee, assignor of one-half interest to A. T. Byers, Springfield, Ohio. Shifting-rail for vehicles | Dec. 23, 1879 | 831 | 238 | 16 | 1154 |
| 212,143 | Hülster, Carl, New York, N. Y. Spring guard or fender for vessels | Feb. 11, 1879 | 376 | 102 | 15 | 176 |
| 214,393 | Humble, Alexander F., McMinnville, Tenn. Water-elevator | Apr. 15, 1879 | 799 | 224 | 15 | 591 |
| 220,289 | Hume, Robert D., San Francisco, Cal. Machine for seaming cans | Oct. 7, 1879 | 89 | 24 | 16 | 647 |
| | Humes, Byron F. (*See* Herbrand, Jacob, assignor.) | | | | | |
| 216,853 | Humiston, Ransom F., Cleveland, Ohio. Apparatus for burning hydrocarbons | June 24, 1879 | 975 | 277 | 15 | 1036 |
| | Humpert, Wilhelm. (*See* Dahl, Rudolph, assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Humphrey, Edward T. (*See* Winslow, Henry B., assignor.) | | | | | |
| 220, 841 | Humphrey, Eugene, Boston, Mass. Machinery for finishing boot and shoe sole edges | Oct. 21, 1879 | 737 | 196 | 16 | 748 |
| | Humphrey, Henry C. (*See* Behr & Humphrey.) | | | | | |
| 220, 150 | Humphrey, Henry C., Stamford, Conn., assignor to E. E. Quimby, trustee, New York, N. Y. Manufacture of glucose | Sept. 30, 1879 | 1264 | ..... | 16 | 613 |
| 215, 749 | Humphrey, Ira, assignor of one-half interest to J. L. Gardiner, Boston, Mass. Surveying-instrument | May 27, 1879 | 893 | 261 | 15 | 840 |
| 218, 271 | Humphreys, William G., Pendleton, S. C. Seed and fertilizer sower | Aug. 5, 1879 | 183 | 50 | 16 | 245 |
| | Humphreys, William H. (*See* Trautmann & Humphreys.) | | | | | |
| | Humphries, George P. (*See* Maddox & Humphries.) | | | | | |
| 211, 661 | Humstone, Edwin M., Edgefield, Tenn. Oiler for steam-engines | Jan. 28, 1879 | 701 | 196 | 15 | 97 |
| 216, 187 | Hunkeler, Joseph, Lowell, Mo. Window-shade hanging | June 3, 1879 | 187 | 55 | 15 | 908 |
| 212, 904 | Hunsinger, Jacob, Metamora, Ind. Air-blast regulator for thrashing-machines, &c | Feb. 4, 1879 | 296 | 58 | 15 | 152 |
| 213, 753 | Hunt, Charles W., West New Brighton, N. Y. Sheave for wire rope | Apr. 1, 1879 | 26 | 8 | 15 | 476 |
| 214, 148 | Same.....Hoisting-rope | Apr. 8, 1879 | 492 | 140 | 15 | 542 |
| | Hunt, David. (*See* Hunt, Walter S., assignor.) | | | | | |
| | Hunt, Dwight. (*See* Lowry & Hunt.) | | | | | |
| 217, 534 | Hunt, Edmund S., assignor of one-half interest to J. T. Lovell, Weymouth, Mass. Pyrotechnic cartridge | July 15, 1879 | 685 | 195 | 16 | 112 |
| 211, 662 | Hunt, Franklin B., Richmond, Ind. Sulky-plow | Jan. 28, 1879 | 702 | 197 | 15 | 97 |
| | Hunt, Franklin B. (*See* Harpster, Samuel, assignor) (Reissue.) | | | | | |
| 213, 658 | Hunt, George W., Brooklyn, N. Y. Oscillating printing-press | Mar. 25, 1879 | 1014 | 288, 289 | 15 | 452 |
| | Hunt, James G. (*See* Bean, Joseph H., assignor.) | | | | | |
| 222, 824 | Hunt, James G., Cincinnati, Ohio. Smoke-consuming furnace | Dec. 23, 1879 | 831 | 238 | 16 | 1154 |
| 223, 046 | Hunt, Lewis B., and J. Preston, assignors to E. H. Austin, New York, N. Y. Fare-register | Dec. 30, 1879 | 1099 | 310, 311 | 16 | 1201 |
| | Hunt, M. Furman. (*See* Dieckerhoff, Adolf, assignor.) | | | | | |
| 214, 147 | Hunt, Pardon B., Avoca, Iowa. Wheat-heater | Apr. 8, 1879 | 492 | 139 | 15 | 542 |
| 214, 506 | Hunt, Robert H. H., assignor of one-half interest to N. W. Spaulding, San Francisco, Cal. Loom | Apr. 22, 1879 | 928 | 262, 263, 264, 265 | 15 | 616 |
| 216, 040 | Hunt, Simon B., New York, N. Y. Cut-off for ice-making apparatus | June 3, 1879 | 39 | 19 | 15 | 889 |
| | Hunt, Thomas M. (*See* Bowles & Farmer, assignors.) | | | | | |
| 223, 047 | Hunt, Walter S., assignor of one-half interest to D. Hunt, Providence, R. I. Carpet-lining | Dec. 30, 1879 | 1093 | 311 | 16 | 1201 |
| 221, 314 | Hunt, William F., London, England. Machine for making plaited paper caps, &c | Nov. 4, 1879 | 194 | 53 | 16 | 839 |
| 214, 663 | Hunt, William L., Westminster, England. Theater appliances | Apr. 22, 1879 | 1110 | 311 | 15 | 638 |
| 220, 922 | Hunter, George D., Bloomington, Ind. Spark-arrester | Oct. 28, 1879 | 836 | 224 | 16 | 771 |
| 220, 923 | Same..... Spark-extinguisher | Oct. 28, 1879 | 837 | 224 | 16 | 771 |
| 222, 276 | Hunter, Henry E., Hinsdale, N. H. Combined galvanic and medicated pad | Dec. 2, 1879 | 189 | 48 | 16 | 1033 |
| 218, 121 | Hunter, Jacob M., Cincinnati, Ohio. Flour-sifter | Aug. 5, 1879 | 16 | 5 | 16 | 223 |
| 220, 290 | Hunter, James M., Boston, Mass. Stock for grinding and drilling tools | Oct. 7, 1879 | 89 | 24 | 16 | 647 |
| 217, 222 | Hunter, John M., Morristown, N. J. Safety-pocket | July 8, 1879 | 341 | 101 | 16 | 55 |
| 217, 223 | Hunter, John M., New York, N. Y. Apparatus for producing power, heat, and light from hydrocarbons and water | July 8, 1879 | 342 | 102 | 16 | 55 |
| 215, 125 | Hunter, Orange D., assignor to A. Terry & Co., Terryville, Conn. Trunk bolt or catch | May 6, 1879 | 171 | 49 | 15 | 723 |
| 216, 519 | Hunter, Rudolph M., Philadelphia, Pa. Process and apparatus for manufacturing illuminating-gas | June 17, 1879 | 591 | 167 | 15 | 976 |
| 214, 041 | Huntington, Henry C., assignor of one-half interest to S. T. Parks, Oil City, Pa. Torpedo for oil-wells | Apr. 8, 1879 | 358 | 102 | 15 | 527 |
| | Huntley, Holcomb & Heine. (*See* Holcomb & Heine, assignors.) | | | | | |
| 213, 427 | Huntoon, Benjamin B., Louisville, Ky. Casting stereotype-plates | Mar. 18, 1879 | 759 | 214 | 15 | 411 |
| 219, 267 | Hunziker, Emil, South Bergen, N. J. Safety faucet-holder | Sept. 2, 1879 | 242 | 69 | 16 | 442 |
| 211, 159 | Hunzinger, George, New York, N. Y. Manufacture of chair-frames | Jan. 7, 1879 | 90 | 28 | 15 | 12 |
| | Huot, Peter. (*See* Duparquet & Huot.) | | | | | |
| 212, 800 | Hüpfel, John C. G., New York, N. Y. Salt-injector for beer-kegs | Mar. 4, 1879 | 23 | 8 | 15 | 300 |
| 219, 400 | Hurd, George H., Cleveland, Ohio. Inhaler | Sept. 9, 1879 | 404 | 113 | 16 | 471 |
| 217, 691 | Hurd, Hutson R., Cleveland, Ohio. Inhaler | July 22, 1879 | 884 | 252 | 16 | 146 |
| 218, 976 | Same.....Inhaler and respirator | Aug. 26, 1879 | 1028 | 289 | 16 | 389 |
| 216, 854 | Hurd, Lorenzo D., Wellsville, N. Y., assignor of one-sixth interest to J. Devlin, Williamsport, Pa. Running-gear for wagons | June 24, 1879 | 978 | 278 | 15 | 1036 |
| 219, 480 | Hurd, Marshall L., Davenport, Iowa. Railway-signal | Sept. 9, 1879 | 487 | 136 | 16 | 482 |
| | Hurd, Martin J. (*See* Hillyer, Philetus B., assignor.) | | | | | |
| 215, 224 | Hurd, Sylvester, Boston, Mass. Clothes-line fastener | May 13, 1879 | 292 | 86 | 15 | 742 |
| 211, 237 | Hurd, Warren, assignor to self and S. B. Brown, Watkins, N. Y. Device for exhibiting wall-paper | Jan. 7, 1879 | 174 | 51 | 15 | 23 |
| 214, 917 | Hurlburt, David M., and C. R. Slocum, Hornellsville, N. Y. Umbrella drip-cup | Apr. 29, 1879 | 1405 | 390 | 15 | 684 |
| | Hurlbut, Henry W., *et al.* (*See* Kenyon, O. A., assignor) (Reissue.) | | | | | |
| | Hurlbut, Rufus H. (*See* Williams, Moore & Hurlbut.) | | | | | |
| 222, 787 | Hurlbut, Seth E., Chicago, Ill. Adjustable wrench | Dec. 23, 1879 | 790 | 227 | 16 | 1148 |
| | Hurlbut, Sidney S., *et al.* (*See* Kenyon, O. A., assignor) (Reissue.) | | | | | |
| 218, 383 | Hurlbut, Sidney S., Racine, Wis. Whip-socket attachment to brake-locks | Aug. 12, 1879 | 321 | 88 | 16 | 274 |
| 211, 471 | Hurley, Daniel J., Oil City, Pa. Piston-rod adjuster for oil-wells | Jan. 21, 1879 | 465 | 132 | 15 | 63 |
| 219, 728 | Hurley, David, Saybrook, Ill. Car propeller and brake | Sept. 16, 1879 | 769 | 212 | 16 | 528 |
| 221, 963 | Hurm, Phillip, Hamilton, Ohio. Hinge | Nov. 25, 1879 | 981 | 275 | 16 | 973 |
| 222, 277 | Husbands, Barnard A., Saint Louis, Mo. Rendering apparatus | Dec. 2, 1879 | 181 | 48 | 16 | 1033 |
| 220, 924 | Huse, Warren D., Laconia, N. H. Knitting-machine | Oct. 28, 1879 | 838 | 224, 225 | 16 | 771 |
| | Huss, George M. (*See* Holden, Warren, assignor.) | | | | | |
| 216, 616 | Huss, Johann W. A., Bernburg, Anhalt, Germany. Elastic treadle for sewing-machines | June 17, 1879 | 696 | 199 | 15 | 991 |
| 220, 621 | Huss, Oscar E., assignor of one-half interest to D. O. Crane, Washington, D. C. Shroud-block | Oct. 14, 1879 | 475 | 125 | 16 | 797 |
| | Hussey, Binns & Co. (*See* Smith, Ephraim, assignor.) | | | | | |
| 211, 404 | Hussey, Charles A., New York, N. Y. Electro-magnetic motor | Jan. 14, 1879 | 386 | 110 | 15 | 50 |
| 212, 801 | Hussey, George F., Boston, Mass. Coffee-pot | Mar. 4, 1879 | 25 | 9 | 15 | 309 |
| 222, 049 | Huston, David, assignor, by mesne assignments, to Huston Improved Ship's Berth Company, Boston, Mass. Self-leveling berth for vessels | Nov. 25, 1879 | 1068 | 298 | 16 | 985 |
| 222, 050 | Same.....same | Nov. 25, 1879 | 1069 | 299 | 16 | 985 |
| 216, 413 | Huston, George M., Keokuk, Iowa. Egg-carrier | June 19, 1879 | 463 | 132, 133 | 15 | 959 |
| | Huston Improved Ship's Berth Company. (*See* Huston, David, assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 220, 622 | Huston, William, Wilmington, Del., assignor to W. B. Wilkins, Brooklyn, N. Y. Ship's speed and leeway indicator | Oct. 14, 1879 | 476 | 125 | 16 | 707 |
| 216, 520 | Huston, William C., Eaton, Ohio. Hame-buckle | June 17, 1879 | 593 | 168 | 15 | 976 |
| 222, 704 | Huston, William H., Chauncey, Ill. Door and window guard | Dec. 16, 1879 | 694 | 199 | 16 | 1124 |
| | Hutchens, William A. (*See* Lane, Hutchens & McGrew.) | | | | | |
| | Hutchings, William V. (*See* Carey, John B., assignor.) | | | | | |
| 216, 959 | Hutchins, William J., Joliet, Ill. Automatic gate | July 1, 1879 | 37 | 11, 12 | 16 | 7 |
| 8, 755 | Hutchinson, Charles G., Chicago, Ill. Bottle-stopper (Reissue) | June 17, 1879 | 801 | 229 | 15 | 1006 |
| 213, 992 | Same same | Apr. 8, 1879 | 296 | 86 | 15 | 519 |
| 219, 729 | Same same | Sept. 16, 1879 | 770 | 212 | 16 | 528 |
| | Hutchinson, Edward. (*See* Hassall, William S., assignor.) | | | | | |
| | Hutchinson, J. C., *et al.* (*See* Cole, George P., assignor.) | | | | | |
| 211, 739 | Hutchinson, Jeremiah F., assignor to self and E. M. Day, Portland, Me. Dish-pan | Jan. 28, 1879 | 790 | 222 | 15 | 108 |
| 215, 928 | Hutchinson, Jesse L., Baltimore, Md. Cleansing device for wash-basins | May 27, 1879 | 1097 | 318 | 15 | 865 |
| | Hutchinson, Joseph, *et al.* (*See* Evans, George R., assignor.) | | | | | |
| 212, 005 | Hutchinson, Norman, Northeast, and A. Hubbell, Amenia, N. Y. Hulling-machine | Feb. 4, 1879 | 207 | 59 | 15 | 152 |
| | Hutchison, Ebenezer N. (*See* Asbury, Daniel, assignor.) | | | | | |
| 218, 272 | Hutton, George H., Boonsborough, Md. Jump-seat for vehicles | Aug. 5, 1879 | 184 | 50 | 16 | 245 |
| 222, 136 | Hutton, Noah M., Quincy, Ill. Window-blind fastening | Dec. 2, 1879 | 21 | 6 | 16 | 1011 |
| 221, 315 | Hutton, Thomas R., assignor to E. Satterthwaite, Barrow in Furness, Lancaster County, and W. Satterthwaite, Ambleside, England. Freight-car | Nov. 4, 1879 | 197 | 54 | 16 | 839 |
| 219, 401 | Hutty, George, assignor of one-half interest to F. L. Pierce, New York, N. Y. Burglar-alarm | Sept. 9, 1879 | 406 | 113 | 16 | 471 |
| | Hyatt, Charles M. (*See* Pruyn & Hyatt.) | | | | | |
| 212, 229 | Hyatt, Charles M., Albany, N. Y., assignor to Embossing Company. Machine for coating wooden blocks | Feb. 11, 1879 | 467 | 129 | 15 | 188 |
| 215, 819 | Hyatt, Edmun P., assignor of one-half interest to G. Quick and O. Brown, Wilton, Conn. Rail-joint | May 27, 1879 | 977 | 285 | 15 | 850 |
| 215, 751 | Hyatt, John W., Newark, N. J. Tumbling-polisher | May 27, 1879 | 895 | 262 | 15 | 840 |
| 218, 122 | Hyatt, John W., assignor to Celluloid Manufacturing Company, Newark, N. J. Manufacture of cards, labels, and analogous articles from celluloid, &c | Aug. 5, 1879 | 17 | ..... | 16 | 223 |
| 221, 070 | Hyatt, John W., Newark, N. J., assignor to Celluloid Manufacturing Company, New York, N. Y. Manufacturing, polishing, and seasoning sheets of celluloid and other plastic material | Oct. 28, 1879 | 1016 | ..... | 16 | 795 |
| | Hyde, Albert A. (*See* Caldwell, Charles S., assignor.) | | | | | |
| 221, 171 | Hyde, Andrew, Hatfield, Mass. Revolving fire-arm | Nov. 4, 1879 | 38 | 11 | 16 | 817 |
| | Hyde, Arbee G. (*See* Winter, Ignatius S., assignor.) | | | | | |
| 211, 160 | Hyde, George H., Boston, Mass. Lamp-wick adjuster | Jan. 7, 1879 | 91 | 29 | 15 | 13 |
| | Hyde, John. (*See* Spencer, Charles F., assignor.) | | | | | |
| 8, 842 | Hyde, Thomas W., Bath, Me. Power-capstan (Reissue) | Aug. 12, 1879 | 585 | 165 | 16 | 310 |
| 216, 326 | Hyde, William B., Oakland, Cal. Hydraulic lift | June 10, 1879 | 364 | 105 | 15 | 938 |
| 220, 536 | Same Formation and bending of pottery pipes | Oct. 14, 1879 | 375 | 97 | 16 | 694 |
| | Hydraulic Elevator Company. (*See* Baldwin, Cyrus W., assignor.) | | | | | |
| | Hydro-Carbon Heating Company. (*See* Sprague, Austin, V. M., assignor.) | | | | | |
| 212, 469 | Hyer, Garitt J., Clinton, Ill. Check-row planter and drill | Feb. 18, 1879 | 764 | 211 | 15 | 230 |
| | Hyland, Joseph. (*See* Campbell & Hyland.) | | | | | |
| | Hylard & Co. (*See* Robertson, James, assignor.) | | | | | |
| 211, 910 | Hyndman, John T., Cincinnati, Ohio. Sheet-metal roofing | Feb. 4, 1879 | 101 | 29 | 15 | 138 |
| | Hyre, David N., *et al.* (*See* Hyre, Harrison L., assignor.) | | | | | |
| 215, 750 | Hyre, Harrison L., Lexington, Ill., assignor of two-thirds interest to D. N. Hyre and R. D. Jones, Eureka, Kans. Weather-strip | May 27, 1879 | 894 | 262 | 15 | 840 |
| | Hysell, S. M. (*See* Devenny, John W., assignor.) | | | | | |
| 219, 947 | Hyslop, John, jr., assignor to Abington Tack and Machine Association, Abington, Mass. Matching and molding machine | Sept. 23, 1879 | 1022 | 284 | 16 | 572 |
| | Hyson, William. (*See* Baker & Hyson.) | | | | | |
| 212, 938 | Ide, Albert L., and C. W. Post, Springfield, Ill. Seed-planter | Mar. 4, 1879 | 196 | 54 | 15 | 321 |
| 219, 481 | Ide, Albert L., Springfield, Ill. Steam-pump | Sept. 9, 1879 | 488 | 136 | 16 | 482 |
| 219, 730 | Iden, Henry, New York, N. Y. Lantern | Sept. 16, 1879 | 772 | 213 | 16 | 528 |
| | Ideson, Francis S. (*See* Evans & Ideson.) | | | | | |
| 222, 278 | Iles, William R., Fairmount, Ill. Check-row dropper attachment for corn-planters | Dec. 2, 1879 | 182 | 48 | 16 | 1034 |
| | Illowy, Adolph. (*See* Kaplan & Illowy.) | | | | | |
| 8, 681 | Ils, John G., San Francisco, Cal., assignor to Richmond Stove Company, Norwich, Conn. Slop-hopper (Reissue) | Apr. 22, 1879 | 1198 | 336 | 15 | 649 |
| | Ilsley & Co., S. A. (*See* Field, Joseph S., assignor.) (Reissue.) | | | | | |
| | Iltis, Mathias H. (*See* Becker & Iltis.) | | | | | |
| 220, 381 | Imboden, John D., Richmond, Va., assignor to self and H. B. Hays, Pittsburg, Pa. Means for accelerating the draft of boiler-fires | Oct. 7, 1879 | 193 | 51, 52 | 16 | 661 |
| 212, 006 | Imhaeuser, Friedrich, Brooklyn, N. Y. Safety key box | Feb. 4, 1879 | 208 | 59 | 15 | 152 |
| 217, 620 | Same Watchman's time-detecter | July 15, 1879 | 783 | 223 | 16 | 124 |
| 221, 823 | Same Safety key box | Nov. 18, 1879 | 801 | 223 | 16 | 939 |
| 217, 619 | Imhof, Frank, assignor to self and Schenk & Schlichte, New York, N. Y. Paper box | July 15, 1879 | 782 | 222 | 16 | 124 |
| 222, 137 | Imhorst Ferdinand, Baltimore, Md. Merchandise-elevator | Dec. 2, 1879 | 21 | 6 | 16 | 1011 |
| 215, 820 | Imlay, William L., Camden, N. J. Copying-press | May 27, 1879 | 978 | 286 | 15 | 850 |
| 218, 273 | Imlay, Willam L., Philadelphia, Pa. Stenciling-pen | Aug. 5, 1879 | 185 | 50 | 16 | 245 |
| 220, 842 | Imlay, William L., Camden, N. J. Ore separator or concentrator | Oct. 21, 1879 | 738 | 196 | 16 | 748 |
| | Improved Car Axle Company. (*See* Miltimore, George W., assignor.) | | | | | |
| 212, 602 | Ingalls, Nathaniel, jr., Boston, Mass. Trimming attachment for sewing-machines | Feb. 25, 1879 | 935 | 258 | 15 | 261 |
| 214, 149 | Ingalls, Walter J., Richford, Vt. Device for cutting and turning round bars of metal | Apr. 8, 1879 | 493 | 140 | 15 | 542 |
| 221, 234 | Ingersoll, Chalmers, Beloit, Wis. Manufacture of paper dishes | Nov. 4, 1879 | 104 | 27 | 16 | 826 |
| 221, 564 | Ingersoll, Chalmers, Beloit, Wis., assignor to Paper Novelty Company, Chicago, Ill. Corrugated paper dish | Nov. 11, 1879 | 502 | 137 | 16 | 890 |
| | Ingersoll, Lorin. (*See* Scheider, Joseph, assignor) (Reissue.) | | | | | |
| 217, 535 | Ingersoll, Roswell R., Brooklyn, N. Y. Velocipede | July 15, 1879 | 686 | 195 | 16 | 112 |
| 212, 008 | Ingham, Frederick W., Falls City, Nebr. Wind-wheel | Feb. 4, 1879 | 211 | 59 | 15 | 153 |
| 219, 948 | Inglehart, Jacob, assignor to self and G. Rust, East Saginaw, Mich. Saw-mill dog | Sept. 23, 1879 | 1023 | 284 | 16 | 572 |
| | Inglis, James. (*See* Inglis, William and J.) | | | | | |
| 212, 007 | Inglis, William, Bolton, England, and J. Inglis, Montreal, Canada. Process and apparatus for preserving eggs | Feb. 4, 1879 | 210 | 59 | 15 | 153 |
| 211, 238 | Ingmanson, Jonas, Sycamore, Ill. Fertilizer | Jan. 7, 1879 | 175 | ..... | 15 | 23 |
| | Ingraham & Co., E. (*See* Atwood, Anson L., assignor.) | | | | | |
| | Ingraham, Daniel D. (*See* Laird, William A., assignor.) | | | | | |
| 212, 314 | Ingram, George L., assignor to J. Lodge & Son, Philadelphia, Pa. Paper scouring and cutting machine | Feb. 18, 1879 | 579 | 159 | 15 | 205 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Ingram, James E., *et al.* (*See* Knapp, George W., assignor.) | | | | | |
| 212, 939 | Ingram, James G., London, England. Manufacture of enemas, syringes, &c., of india-rubber | Mar. 4, 1879 | 198 | 55 | 15 | 321 |
| 213, 933 | Inman, Peter H., Highland Park, Ill. Fence-post | Apr. 8, 1879 | 297 | 86 | 15 | 519 |
| 215, 362 | Inman, Samuel, Chicago, Ill. Provision-safe | May 13, 1879 | 447 | 134 | 15 | 763 |
| | Iowa Automatic Car Coupling Company. (*See* Preston, Harvey L., assignor.) | | | | | |
| 220, 382 | Irelan, William, Oak Springs, Iowa. Truss-bridge | Oct. 7, 1879 | 194 | 52 | 16 | 661 |
| | Irish, Zena. (*See* Ward & Irish.) | | | | | |
| | Irland, David H. (*See* Buck & Irland.) | | | | | |
| | Irvin, Lesley B. (*See* Sims & Irvin.) | | | | | |
| | Irvin, Ralph, *et al.* (*See* Kennel, Charles O. G., assignor.) | | | | | |
| 217, 007 | Irwin, Frederick, Leet Township, Allegheny County, Pa. Wire cutting and bending die | July 1, 1879 | 83 | 26 | 16 | 13 |
| 213, 510 | Irwin, James, Allegheny, Pa. Vapor-burner | Mar. 25, 1879 | 850 | 242 | 15 | 432 |
| 214, 394 | Same.....Street-lamp | Apr. 15, 1879 | 800 | 224 | 15 | 591 |
| 222, 404 | Irwin, James H., New York, N. Y. Preparing and canning macaroni | Dec. 9, 1879 | 324 | ..... | 16 | 1064 |
| 211, 405 | Irwin, John H., Philadelphia, Pa. Lantern | Jan. 14, 1879 | 387 | 111 | 15 | 50 |
| 212, 144 | Same.....Acoustic telegraph | Feb. 11, 1879 | 376 | 102 | 15 | 176 |
| 212, 145 | Same.....same | Feb. 11, 1879 | 377 | 103 | 15 | 176 |
| 212, 470 | Same.....Lamp | Feb. 18, 1879 | 765 | 212 | 15 | 330 |
| 8, 598 | Irwin, John H., Philadelphia, Pa., assignor of one-half interest to C. B. Sawyer and J. S. Dennis. Lantern (Reissue) | Feb. 25, 1879 | 1126 | 313 | 15 | 287 |
| 212, 603 | Irwin, John H., Philadelphia, Pa. Lamp | Feb. 25, 1879 | 936 | 259 | 15 | 261 |
| 8, 611 | Irwin, John H., Philadelphia, Pa., assignor of one-half interest to C. B. Sawyer and J. S. Dennis. Lantern (Reissue) | Mar. 4, 1879 | 367 | 86 | 15 | 336 |
| 215, 126 | Irwin, John H., Philadelphia, Pa. Steam injector and ejector | May 6, 1879 | 173 | 49, 50 | 15 | 723 |
| 215, 821 | Same.....Injector and ejector | May 27, 1879 | 979 | 286 | 15 | 851 |
| 216, 793 | Same.....Electric telephone | June 24, 1879 | 908 | 259 | 15 | 1028 |
| 217, 109 | Same.....Ejector | July 1, 1879 | 206 | 59 | 16 | 29 |
| 216, 188 | Irwin, Thamas W., Allegheny, and G. K. Reber, Pittsburg, Pa. Water-conductor | June 3, 1879 | 188 | 56 | 15 | 908 |
| | Isaac, William L. (*See* Smith, James M., assignor.) | | | | | |
| 212, 940 | Isbell, Charles W., New York, N. Y. Head and lid of gas-retorts | Mar. 4, 1879 | 199 | 55 | 15 | 322 |
| 214, 042 | Same.....Process and apparatus for the manufacture of coal-gas | Apr. 8, 1879 | 359 | 102 | 15 | 527 |
| 221 565 | Same.....Apparatus for the manufacture of coal-gas | Nov. 11, 1879 | 503 | 137 | 16 | 890 |
| 221, 566 | Same.....Scrubber for the manufacture of gas | Nov. 11, 1879 | 504 | 137, 138 | 16 | 890 |
| 222, 825 | Isham, Harry S., Plattsburg, N. Y. Tool-handle | Dec. 23, 1879 | 834 | 238 | 16 | 1134 |
| 212, 009 | Iske, Anthony, assignor to I. L. Landis, Lancaster, Pa. Spring bed-bottom | Feb. 4, 1879 | 212 | 60 | 15 | 153 |
| 221, 824 | Same.....Feed and vegetable cutter | Nov. 18, 1879 | 802 | 223 | 16 | 939 |
| 218, 748 | Ismay, Matthew P., Ousebarn, Newcastle-upon-Tyne, England. Feed and delivery device for paint-mills | Aug. 19, 1879 | 740 | 211 | 16 | 340 |
| 213, 659 | Israel, Hannah E., Banta, Cal. Parasol | Mar. 25, 1879 | 1016 | 289 | 15 | 453 |
| 213, 334 | Ivens, Edmund M., assignor to E. L. Ivens, New Orleans, La. Automatic press-screw. | Mar. 18, 1879 | 671 | 189 | 15 | 400 |
| | Ivens, Emily L. (*See* Ivens, Edmund M., assignor.) | | | | | |
| | Ives, Blakeslee & Co. (*See* Davis, Andrew J., assignor) (Reissue.) | | | | | |
| 216, 276 | Ives, Ellsworth D., Hartford, Conn. Vehicle-axle | June 10, 1879 | 305 | 89 | 15 | 930 |
| 222, 630 | Ives, Hobart B., New Haven, Conn. Bolt | Dec. 16, 1879 | 609 | 173 | 16 | 1111 |
| | Ives, Hubert R. (*See* Conway, George O. S., assignor.) | | | | | |
| 8, 579 | Ives, James, Mount Carmel, Conn. Lamp (Reissue) | Feb. 11, 1879 | 546 | 154 | 15 | 199 |
| 8, 857 | Same.....Top-prop for carriages (Reissue) | Aug. 19, 1879 | 813 | 230 | 16 | 350 |
| 211, 740 | Ives, Luther C., Indian Creek, Va. Grain-register | Jan. 28, 1879 | 791 | 222 | 15 | 108 |
| | Ives & Miller. (*See* Tucker, Welcome C., assignor) (Reissue.) | | | | | |
| 222, 051 | Ives, William A., New Haven, Conn. Hollow auger | Nov. 25, 1879 | 1071 | 299 | 16 | 985 |
| 216, 570 | Iveson, George, Greenwich Station, Ohio. Broom and brush head | June 17, 1879 | 644 | 183 | 15 | 984 |
| 222, 705 | Same.....Combined buckle and snap | Dec. 16, 1879 | 695 | 200 | 16 | 1124 |
| 211, 663 | Jaberg, John, Cincinnati, Ohio. Pedal for musical instruments | Jan. 28, 1879 | 704 | 197 | 15 | 97 |
| 219, 056 | Jablochkoff, Paul, Paris, France. Battery | Aug. 26, 1879 | 1111 | 312 | 16 | 400 |
| 220, 844 | Jackman, Adam C., Minneapolis, Kans. Water-elevator | Oct. 21, 1879 | 741 | 197 | 16 | 749 |
| | Jackman & Flanders. (*See* Stevens, Benjamin C., assignor.) | | | | | |
| 213, 201 | Jackman, George W., Bath, N. H. Whiffletree-hook | Mar. 11, 1879 | 513 | 143 | 15 | 371 |
| 216, 855 | Jackman, Jesse W., Otter Creek Township, Linn County, Iowa. Iron fence-post for wire fences | June 24, 1879 | 980 | 278 | 15 | 1037 |
| 220, 076 | Jackson, Andrew, assignor of one-half interest to J. J. Dunn, San Francisco, Cal. Wrench | Sept. 30, 1879 | 1184 | 326 | 16 | 602 |
| | Jackson, Benjamin C. (*See* Crawford & Jackson.) | | | | | |
| 213, 754 | Jackson, Caleb H., Harrisburg, Pa. Joint for solid and tubular connections | Apr. 1, 1879 | 26 | 9 | 15 | 476 |
| 217, 536 | Same.....Railway-frog | July 15, 1879 | 687 | 195 | 16 | 112 |
| 218, 123 | Same.....same | Aug. 5, 1879 | 18 | 5 | 16 | 223 |
| 219, 731 | Jackson, Charles, California, Ohio. Bake-pan | Sept. 16, 1879 | 772 | 213 | 16 | 528 |
| | Jackson, Daniel. (*See* Jonson & Jackson.) | | | | | |
| 217, 946 | Jackson, David, Chicago, Ill. Alloy for journal-bearings | July 29, 1879 | 1171 | 335 | 16 | 191 |
| 222, 190 | Same.....School-desk | Dec. 2, 1879 | 84 | 21 | 16 | 1020 |
| 214, 918 | Jackson, Edgar B., assignor of one-half interest to L. B. Jackson and E. Baldwin, Delaware County, Ohio. Die for forging sheet-metal horse-collar blanks | Apr. 29, 1879 | 1406 | 390 | 15 | 684 |
| 216, 277 | Jackson, Edwin, Bradford, and J. Jackson Leeds, York County, Kingdom of Great Britain and Ireland. Wood-working machine | June 10, 1879 | 305 | 89, 90, 91 | 15 | 930 |
| 220, 843 | Jackson, Edwin A., New York, N. Y. Open fire-place | Oct. 21, 1879 | 740 | 196, 197 | 16 | 749 |
| | Jackson, George. (*See* Root & Jackson.) | | | | | |
| 212, 010 | Jackson, George, Havre de Grace, Md. Grate | Feb. 4, 1879 | 212 | 60 | 15 | 153 |
| | Jackson, J. Carl, *et al.* (*See* Wallace, Thomas, assignor.) | | | | | |
| | Jackson, John. (*See* Jackson, Edwin and J.) | | | | | |
| | Jackson, Joseph, *et al.* (*See* Lodge, Nicholas, assignor.) | | | | | |
| 214, 824 | Jackson, Joseph H., Galveston, Ind. Hay-rack | Apr. 29, 1879 | 1305 | 365 | 15 | 671 |
| 215, 752 | Jackson, Lewis B., jr., Philadelphia, Pa. Roller-skate | May 27, 1879 | 896 | 262 | 15 | 840 |
| | Jackson, Louis B., *et al.* (*See* Jackson, Edgar B., assignor.) | | | | | |
| | Jackson, Louis H., *et al.* (*See* Sullivan, Nicholas, assignor.) | | | | | |
| 218, 977 | Jackson, Mallet C., Alvin, Cal. Wind-wheel | Aug. 26, 1879 | 1028 | 289 | 16 | 389 |
| 213, 755 | Jackson, Morgan P., Boonville, N. Y. Milk-agitator for cheese-vats | Apr. 1, 1879 | 27 | 9 | 15 | 476 |
| 214, 150 | Jackson, Oliver P., assignor of one-half interest to J. M. Patterson, Pittsburg, Pa. Method and apparatus for flaring glassware | Apr. 8, 1879 | 494 | 140 | 15 | 542 |
| 222, 788 | Jackson, Oliver P., assignor to W. I. Miller, Pittsburg, Pa. Tool for flaring glassware. | Dec. 23, 1879 | 791 | 227 | 16 | 1148 |
| 222, 789 | Jackson, Oliver P., and T. J. McTighe, assignors, by mesne assignments, to W. I. Miller and J. M. Patterson, Pittsburg, Pa. Tool for opening and shaping the ends of glass bulbs | Dec. 23, 1879 | 792 | 228 | 16 | 1149 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 222, 790 | Jackson, Oliver P., and T. J. McTighe; said Jackson assignor to W. I. Miller, Pittsburg, Pa. Glass-shaping machine | Dec. 23, 1879 | 793 | 228 | 16 | 1149 |
| 211, 513 | Jackson, Samuel P., Manchester, N. H. Sash-fastener | Jan. 21, 1879 | 516 | 145 | 15 | 69 |
| 215, 457 | Jackson, Timothy B., Petaluma, Cal. Paneling stone | May 20, 1879 | 570 | 167 | 15 | 788 |
| 211, 850 | Jackson, Walter M., Providence, R. I. Lamp | Feb. 4, 1879 | 36 | 11 | 15 | 131 |
| 219, 158 | Same.....Carbureter | Sept. 2, 1879 | 113 | 33 | 16 | 426 |
| 218, 029 | Jackson, William, Millerstown, Pa. Air-compressing apparatus for locomotives | July 29, 1879 | 1260 | 358 | 16 | 202 |
| | Jackson, William S., *et al.* (*See* Bronson, Mathuel A., assignor.) | | | | | |
| | Jackson, William T. (*See* Albee, Benjamin, assignor.) | | | | | |
| 221, 316 | Jacob, Charles H., and J. W. Lochner, Cincinnati, Ohio. Apparatus for aging and purifying liquors | Nov. 4, 1879 | 199 | 54 | 16 | 839 |
| 217, 876 | Jacobs, George T., Washington, D. C. Spinning-top | July 29, 1879 | 1093 | 312 | 16 | 181 |
| 211, 851 | Jacobs, Henry M., Waynesburg, Pa. Clothes-drier | Feb. 4, 1879 | 36 | 12 | 15 | 131 |
| 222, 053 | Jacobs, Jacob, New York, N. Y. Illuminated-tile for roofs and pavements | Nov. 25, 1879 | 1072 | 300 | 16 | 985 |
| 217, 945 | Jacobs, James W., assignor to self and W. S. Jacobs, Jeffersonville, Ind. Glass-polishing apparatus | July 29, 1879 | 1169 | 335 | 16 | 191 |
| 213, 112 | Jacobs, Judson L., Boston, Mass. Spark-arrester | Mar. 11, 1879 | 415 | 115 | 15 | 358 |
| | Jacobs, William S. (*See* Jacobs, James W., assignor.) | | | | | |
| | Jacobsen, Henry. (*See* Hall & Jacobsen.) | | | | | |
| 212, 802 | Jacobson, Christian F., assignor to self, J. C. Jones, New York, N. Y., and G. E. Maltby, Norfolk, Va. Machine for making twist-drills | Mar. 4, 1879 | 26 | 9 | 15 | 300 |
| 222, 052 | Jacobson, Samuel, Saint Peter, Minn. Sole-edge burnisher for boots and shoes | Nov. 25, 1879 | 1072 | 299 | 16 | 985 |
| 211, 406 | Jacoby, Josiah, assignor of one-half interest to J. H. Warren, Lodi, Ohio. Thill-coupling | Jan. 14, 1879 | 388 | 111 | 15 | 50 |
| 219, 950 | Jacquemin, Mathias L., Council Bluffs, Iowa. Valve mechanism for engines | Sept. 23, 1879 | 1026 | 285 | 16 | 573 |
| 219, 951 | Same.....Governor | Sept. 23, 1879 | 1027 | 286 | 16 | 573 |
| 220, 151 | Same.....Valve-regulating mechanism | Sept. 30, 1879 | 1266 | 347 | 16 | 613 |
| 8, 619 | Jadwin, Orlando H., Brooklyn, N. Y. Supporting-pulley for traveling cables. (Reissue) | Mar. 11, 1879 | 598 | 167 | 15 | 382 |
| 214, 395 | Jaeger, Gustav L., New York, N. Y. Paper box | Apr. 15, 1879 | 802 | 225 | 15 | 591 |
| 215, 623 | Same.....Gage for paper-cutting machines | May 20, 1879 | 758 | 222 | 15 | 814 |
| 218, 030 | Same.....Guide for endless aprons | July 29, 1879 | 1261 | 358 | 16 | 203 |
| 219, 732 | Same.....Partition for boxes | Sept. 16, 1879 | 773 | 213 | 16 | 528 |
| 219, 949 | Same.....Machine for making paper-box partitions | Sept. 23, 1879 | 1024 | 285 | 16 | 572 |
| 220, 383 | Jaekel, Richard, and F. Tigges, Berlin, Prussia. Machine for manufacturing leather-cloth, imitation silk damask, &c | Oct. 7, 1879 | 196 | 52 | 16 | 661 |
| | Jahr. Rudolf. (*See* Barthel & Jahr.) | | | | | |
| 221, 920 | Jakubowski, Louis, San Francisco, Cal. Safety-pocket | Nov. 25, 1879 | 927 | 259 | 16 | 966 |
| 215, 624 | James, Charles B., Bristol, Tenn. Bank-check marker | May 20, 1879 | 760 | 222 | 15 | 814 |
| 219, 583 | James, George, Boston, Mass. Method of producing heel-lifts and cutter for cutting the same | Sept. 16, 1879 | 601 | 168 | 16 | 505 |
| 213, 660 | James, Henry, Hudson, N. Y. Shaft-coupling | Mar. 25, 1879 | 1017 | 289 | 15 | 453 |
| | James, John. (*See* Hardie & James.) | | | | | |
| 212, 383 | James, John T., Love's Mills, assignor to self and A. Kelley, Washington County, Va. Head-block for saw-mills | Feb. 18, 1879 | 651 | 182, 183 | 15 | 215 |
| 217, 383 | James, William, Jacksonville, Fla. Plant-extractor | July 8, 1879 | 508 | 147 | 16 | 77 |
| 213, 573 | Jamieson, Henry A., Brooklyn, N. Y. Steam-engine | Mar. 25, 1879 | 922 | 262 | 15 | 440 |
| 218, 749 | Jamin, Jules C., Paris, France. Electric lamp | Aug. 19, 1879 | 742 | 211 | 16 | 340 |
| | Jamison Boot and Shoe Crimping Machine Company, S. W. (*See* Jamison, Samuel W., assignor.) | | | | | |
| 213, 572 | Jamison, John, Turner's Falls, Mass. Steam-trap | Mar. 25, 1879 | 921 | 262 | 15 | 440 |
| 220, 243 | Same.....Steam-trap for drying-cylinders | Oct. 7, 1879 | 39 | 10 | 16 | 640 |
| 218, 177 | Jamison, Samuel W., Boston, Mass., assignor to S. W. Jamison Boot and Shoe Crimping Machine Company. Boot and shoe crimping-machine | Aug. 5, 1879 | 80 | 21, 22 | 16 | 231 |
| 217, 735 | Janeway, Jacob J., New Brunswick, N. J. Printing-machine for paper-hangings | July 22, 1879 | 929 | 266 | 16 | 153 |
| 216, 414 | Jannasch, Hugo, Bernburg, Germany, assignor to E. Calm, New York, N. Y. Preserving compound | June 10, 1879 | 464 | ..... | 15 | 950 |
| | Janney Car Coupling Company. (*See* Janney, Eli H., assignor.) | | | | | |
| | Same.....(*See* Webster, Hazen, assignor) | (Reissue.) | | | | |
| 214, 043 | Janney, Eli H., Alexandria, Va. Car-buffer | Apr. 8, 1879 | 361 | 103 | 15 | 527 |
| 215, 363 | Same.....same | May 13, 1879 | 447 | 134 | 15 | 763 |
| 212, 703 | Janney, Eli H., assignor to Janney Car Coupling Company, Alexandria, Va. Car-coupling | Feb. 25, 1879 | 1031 | 286, 287 | 15 | 274 |
| 221, 825 | Jannin, Louis E., Paris, France. Composition for stereotype-molds | Nov. 18, 1879 | 803 | ..... | 16 | 940 |
| 216, 617 | Jaquett, Charles A. W., Brooklyn, N. Y. Feed-roll for middlings, flour, &c | June 17, 1879 | 697 | 199 | 15 | 991 |
| 216, 327 | Jarman, Levi, Moscow, Ohio. Dumping-wagon | June 10, 1879 | 368 | 105 | 15 | 938 |
| 222, 631 | Jarvis, Kingsbury M., Malden, assignor to self and A. F. Upton, Newtonville, Mass. Smoke and gas consuming furnace | Dec. 16, 1879 | 610 | 174 | 16 | 1111 |
| 212, 941 | Jarvis, Philip, Mount Ayr, Iowa. Bridge | Mar. 4, 1879 | 201 | 56 | 15 | 322 |
| 213, 904 | Jarvis, Solomon R., Philippi, W. Va. Dish heater and holder | Apr. 1, 1879 | 187 | 54 | 15 | 496 |
| 215, 625 | Jauriet, Charles F., Chicago, Ill., assignor of one-half interest to J. B. Hodgskin, New York, N. Y. Refrigerator-car | May 20, 1879 | 761 | 222, 223 | 15 | 814 |
| | Jayne, John E. (*See* Hoover, Reuben, assignor.) | | | | | |
| 215, 364 | Jayne, John E., assignor of one-half interest to R. Hoover, Iowa City, Iowa. Bridge | May 13, 1879 | 449 | 134 | 15 | 763 |
| 215, 626 | Jeanne, Leon P., assignor to self and P. Jeanne, New York, N. Y. Device for exhibiting gems | May 20, 1879 | 763 | 223 | 15 | 814 |
| | Jeanne, Paul. (*See* Jeanne, Leon P., assignor.) | | | | | |
| 214, 396 | Jefferson, Thomas E., Boston, Mass. Sulky-plow | Apr. 15, 1879 | 802 | 225 | 15 | 591 |
| 215, 929 | Same.....same | May 27, 1879 | 1098 | 319 | 15 | 865 |
| 216, 415 | Same.....same | June 10, 1879 | 465 | 133, 134 | 15 | 950 |
| 216, 328 | Jefferson, William E., Leicester, England. Elastic fabric | June 10, 1879 | 370 | 105 | 15 | 938 |
| 221, 071 | Jeffery, David J., Brighton, Iowa. Buckle | Oct. 28, 1879 | 1018 | 270 | 16 | 795 |
| | Jeffery, Edward T. (*See* Hayes, Jeffery & Schlacks.) | | | | | |
| 221, 317 | Jeffery, Edwin A., Jersey City, N. J. Spring-bed or bed-bottom | Nov. 4, 1879 | 200 | 54, 55 | 16 | 840 |
| | Jeffords, J. E. (*See* Plympton, Nathaniel, assignor.) | | | | | |
| 218, 632 | Jeffrey, Henry, Aurora, Ind. Railway-crossing | Aug. 19, 1879 | 623 | 175 | 16 | 323 |
| 223, 141 | Jehnke, Arnold, and J. Swank, Denver, Colo. Saddle-girth ring | Dec. 30, 1879 | 1205 | 340 | 16 | 1216 |
| 213, 202 | Jenkins, Caldwell C., Philadelphia, assignor of one-half interest to C. B. Lee, Westchester, Pa. Regulating device for steam-engines | Mar. 11, 1879 | 514 | 143 | 15 | 371 |
| 219, 733 | Jenkins, Edward T., Brooklyn, N. Y. Process and apparatus for the production of distillates | Sept. 16, 1879 | 774 | 213 | 16 | 529 |
| 221, 235 | Jenkins, Edward W., Norristown, Pa. Gleaner and binder | Nov. 4, 1879 | 105 | 27, 28 | 16 | 826 |
| 216, 329 | Jenkins, Hiram H., South Abington, Mass. Machine for shaping metallic shoe-shanks. | June 10, 1879 | 371 | 106 | 15 | 938 |
| 216, 330 | Same.....Machine for forming metallic shoe-shanks | June 10, 1879 | 372 | 106 | 15 | 938 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 218, 178 | Jenkins, Nicholas, New Haven, Conn., assignor, by mesne assignments, to S. K. Stanton and B. Hubbard. Machinery for dressing stone, wood, &c. | Aug. 5, 1879 | 83 | 22 | 16 | 232 |
| 218, 179 | Same.....Machine for dressing stone, wood, &c. | Aug. 5, 1879 | 85 | 22 | 16 | 232 |
| 218, 180 | Same.....Machinery for dressing and paneling stone, &c. | Aug. 5, 1879 | 86 | 23 | 16 | 232 |
| 212, 851 | Jenkins, Philip O., Washington, D. C. Electric light | Mar. 4, 1879 | 79 | 23 | 15 | 308 |
| 222, 976 | Jenkins, Walter, Joliet, Ill. Die for forming fence-barbs | Dec. 23, 1879 | 1007 | 289 | 16 | 1180 |
| 222, 054 | Jenkins, Walter F., Fithian, Ill. Clothes-pounder | Nov. 25, 1879 | 1074 | 300 | 16 | 985 |
| | Jenkins, William R., jr., *et al.* (*See* McCoy, J. M., assignor.) | | | | | |
| | Jenks, Abraham S. (*See* Everding, John, assignor.) | | | | | |
| | Jenks, Charles W. (*See* Messer & Jenks.) | | | | | |
| 212, 604 | Jenks, George E., Concord, N. H. Flower-trellis | Feb. 25, 1879 | 938 | 260 | 15 | 262 |
| 214, 919 | Jenks, Plympton E., Petrolia, Pa. Oil-well cup | Apr. 29, 1879 | 1406 | 390 | 15 | 684 |
| 215, 627 | Jenner, John H., assigner to self and S. M. Jenner, Leavenworth, Ind. Brake-lever for wagons | May 20, 1879 | 763 | 223 | 15 | 814 |
| | Jenner, Samuel M. (*See* Jenner, John H., assignor.) | | | | | |
| 218, 032 | Jennings, Abraham G. and W. P., Brooklyn, N. Y. Lace purling | July 29, 1879 | 1264 | 361 | 16 | 203 |
| 212, 704 | Jennings, Alfred E., London, Great Britain, assignor to A. G. Myers, New York, N. Y. Valve for water-closets, &c. | Feb. 25, 1879 | 1034 | 287 | 15 | 274 |
| 218, 031 | Jennings, David, Lyons, N. Y. Barn | July 29, 1879 | 1262 | 359 | 16 | 203 |
| | Jennings, Ernest F. (*See* Cosgrove, William F., assignor.) | | | | | |
| 8, 030 | Jennings, George W., Boston, assignor to E. A. Hildreth, Harvard, Mass. Hand mowing-machine (Reissue) | Mar. 18, 1879 | 826 | 234 | 15 | 420 |
| 214, 569 | Jennings, Ralph S., New York, N. Y. Machine for cleaning stones and other hard substances | Apr. 22, 1879 | 1010 | 284 | 15 | 625 |
| | Jennings, Warren P. (*See* Jennings, Abraham G. and W. P.) | | | | | |
| | Jennison, George C. (*See* Cain, Harry, assignor.) | | | | | |
| 220, 152 | Jensen, Conrad, Dedham, assignor to self and J. E. Buerk, Boston, Mass. Padlock | Sept. 30, 1879 | 1266 | 348 | 16 | 613 |
| 221, 826 | Jensen, Conrad, Dedham, Mass. Weighing apparatus | Nov. 18, 1879 | 804 | 224 | 16 | 940 |
| 215, 127 | Jensen, Frederic, Seattle, Wash. Convertible chair | May 6, 1879 | 176 | 50 | 15 | 723 |
| | Jensen, Jens. (*See* Anderson, Edgar J., assignor.) | | | | | |
| | JJepson, John. (*See* Wilcox & Jepson.) | | | | | |
| 211, 299 | Jerome, Charles C., Chicago, Ill. Stuffing-box for steam-engines | Jan. 14, 1879 | 261 | 76 | 15 | 34 |
| 215, 277 | Same.....Stuffing-box | May 13, 1879 | 359 | 104 | 15 | 751 |
| | Jerzmanowski, Erazm J. (*See* Du Motay & Jerzmanowski.) | | | | | |
| 212, 942 | Jerzmanowski, Erazm J., assignor to E. Stern, New York, N. Y. Gas-generating apparatus | Mar. 4, 1879 | 201 | 56 | 15 | 322 |
| 212, 943 | Same.....Apparatus for the manufacture of illuminating-gas | Mar. 4, 1879 | 202 | 57 | 15 | 322 |
| | Jessup, Gilbert. (*See* Marks & Jessup.) | | | | | |
| 218, 124 | Jeter, John T., Germania, Ala. Seed-sower and fertilizer-distributer | Aug. 5, 1879 | 19 | 6 | 16 | 223 |
| 213, 203 | Jewell, George S., Brooklyn, assignor of one-half interest to G. E. Goldsmith, New York, N. Y. Chock for barrels | Mar. 11, 1879 | 516 | 143 | 15 | 371 |
| 219, 098 | Jewell, John B., Carrollton, Mo. Stove-pipe joint | Sept. 2, 1879 | 46 | 15 | 16 | 418 |
| 215, 628 | Jewell, Katharine L., assignor to D. A. Loring, New York, N. Y. Preserving oysters | May 20, 1879 | 764 | ..... | 15 | 814 |
| | Jewett & Co., Sherman S. (*See* Jewett, Josiah, assignor.) | | | | | |
| | Same.....(*See* Root, Francis H., assignor.) | | | | | |
| 217, 110 | Jewett, Dewitt C., Sand Spring, Iowa. Hay-loader | July 1, 1879 | 207 | 59 | 16 | 29 |
| 219, 817 | Jewett, Edgar B., Buffalo, N. Y. Combined filter and cooler | Sept. 23, 1879 | 887 | 244 | 16 | 553 |
| 222, 405 | Same.....Slop-jar | Dec. 9, 1879 | 325 | 92 | 16 | 1064 |
| 221, 964 | Jewett, George M., assignor to Cowles Hardware Company, Unionville, Conn. Spring-hinge | Nov. 25, 1879 | 982 | 275 | 16 | 973 |
| 213, 574 | Jewett, George P., Wadley, Ga. Horse-detaching apparatus | Mar. 25, 1879 | 923 | 263 | 15 | 440 |
| 215, 225 | Same.....Horse-tether | May 13, 1879 | 293 | 86 | 15 | 742 |
| 211, 161 | Jewett, Hiram D. and I. D., Saint Omer, Ind. Mechanical telephone | Jan. 7, 1879 | 92 | 29 | 15 | 13 |
| | Jewett, Israel D. (*See* Jewett, Hiram D. and I. D.) | | | | | |
| 212, 471 | Jewett, Josiah, assignor to S. S. Jewett & Co., Buffalo, N. Y. Oven bottom and slide | Feb. 18, 1879 | 767 | 212 | 15 | 231 |
| 212, 472 | Same.....Cooking-stove | Feb. 18, 1879 | 767 | 212 | 15 | 231 |
| 213, 756 | Same.....Cooking-range | Apr. 1, 1879 | 28 | 9 | 15 | 476 |
| 213, 674 | Same.....Parlor-stove | Aug. 19, 1879 | 667 | 189 | 16 | 330 |
| 220, 845 | Same.....Illuminated door for stoves | Oct. 21, 1879 | 741 | 197 | 16 | 749 |
| 8, 788 | Jilz, William W., Chicago, Ill. Well-auger (Reissue) | July 8, 1879 | 573 | 165 | 16 | 85 |
| 219, 952 | Jochim, John W., Ishpeming, Mich. Key-ring | Sept. 23, 1879 | 1029 | 286 | 16 | 573 |
| 218, 675 | Johe, Andrew P., Witmer Post-Office, Pa. Thill-coupling | Aug. 19, 1879 | 668 | 189 | 16 | 330 |
| 214, 151 | Johns, David W. and H., and H. Embs, New Albany, Ind. Machine for making ax-polls | Apr. 8, 1879 | 495 | 140 | 15 | 543 |
| | Johns, Henry. (*See* Johns & Embs.) | | | | | |
| 213, 287 | Johnson, Abijah, Ringgold, Ga. Churn | Mar. 18, 1879 | 622 | 175 | 15 | 393 |
| 221, 734 | Johnson, Almeron J., Rochester, N. Y. Machine for finishing boot and shoe heels | Nov. 18, 1879 | 690 | 193 | 16 | 925 |
| | Johnson, Alvin J., *et al.* (*See* Johnson, William S., assignor.) | | | | | |
| 222, 406 | Johnson, Amos, Baltimore, Md. Steering apparatus for vessels | Dec. 9, 1879 | 325 | 92 | 16 | 1064 |
| 222, 407 | Same.....Fastening for hatches of ships | Dec. 9, 1879 | 327 | 92 | 16 | 1064 |
| 211, 852 | Johnson, Andrew, Chicago, Ill. Plane | Feb. 4, 1879 | 37 | 12 | 15 | 131 |
| 214, 154 | Johnson, Charles C., Springfield, Vt. Spinning-top | Apr. 8, 1879 | 498 | 141 | 15 | 543 |
| 214, 921 | Johnson, Charles C., Springfield, Vt., assignor to H. Partridge, Boston, Mass. Toy money-box | Apr. 29, 1879 | 1408 | 391 | 15 | 684 |
| 222, 055 | Johnson, Charles E., Indianapolis, Ind. Clasp | Nov. 25, 1879 | 1075 | 300 | 16 | 985 |
| 217, 008 | Johnson, Daniel A., Boston, Mass. Cuff-holder | July 1, 1879 | 85 | 26 | 16 | 13 |
| 219, 358 | Same.....Button for gloves, &c | Sept. 9, 1879 | 354 | 101 | 16 | 465 |
| | Johnson, Elias M., *et al.* (*See* Gillette, Mott G., assignor.) | | | | | |
| 212, 232 | Johnson, Elmore, Morrisville, Vt. Process and apparatus for making paper-pulp from wood, &c | Feb. 11, 1879 | 470 | 130 | 15 | 188 |
| 215, 130 | Same.....Bed-bottom | May 6, 1879 | 178 | 51 | 15 | 724 |
| 212, 945 | Johnson, Frank G., Brooklyn, N. Y. Blackboard | Mar. 4, 1879 | 204 | 58 | 15 | 323 |
| 212, 946 | Same.....Exercising-machine | Mar. 4, 1879 | 205 | 58 | 15 | 323 |
| 214, 153 | Johnson, Frank G., assignor of one-half interest to A. H. Doty, Brooklyn, N. Y. Gas-pressure regulator | Apr. 8, 1879 | 497 | 141 | 15 | 543 |
| 220, 077 | Johnson, Frank G., Brooklyn, N. Y. Clothes-sprinkler | Sept. 30, 1879 | 1185 | 326 | 16 | 602 |
| 222, 791 | Same.....Barrel-head | Dec. 23, 1879 | 794 | 228 | 16 | 1149 |
| 222, 911 | Same.....Book-case | Dec. 23, 1879 | 933 | 268 | 16 | 1169 |
| 223, 048 | Same.....Canvas cover for barrels | Dec. 30, 1879 | 1094 | 311 | 16 | 1201 |
| 214, 397 | Johnson, Frank W., Paxton, Ill. Buckle | Apr. 15, 1879 | 804 | 225 | 15 | 591 |
| 212, 706 | Johnson, Fred., and F. Eccleston, Nebraska City, Nebr. Wire-fence post and fastening | Feb. 25, 1879 | 1036 | 287 | 15 | 274 |
| 212, 556 | Johnson, George, Cincinnati, Ohio. Valve for hydraulic engines, &c | Feb. 25, 1879 | 883 | 244 | 15 | 254 |
| 220, 479 | Johnson, George, Cincinnati, Ohio, and W. M. Bailey, New York, N. Y. Hydro-pneumatic lift | Oct. 14, 1879 | 308 | 82 | 16 | 685 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 220, 623 | Johnson, George, Waucousta, Wis. Farm-gate | Oct. 14, 1879 | 479 | 126 | 16 | 707 |
| | Johnson, George N., *et al.* (*See* Newhall, John F., assignor.) | | | | | |
| 222, 279 | Johnson, Hamilton B., Milnersville, Ohio. Picture-frame | Dec. 2, 1879 | 183 | 48 | 16 | 1034 |
| | Johnson, Isaac G., *et al.* (*See* Gillette, Mott G., assignor.) | | | | | |
| 212, 606 | Johnson, Iver, and M. Bye, Worcester, Mass. Revolving fire-arm | Feb. 25, 1879 | 940 | 260 | 15 | 262 |
| 220, 846 | Johnson, Jacob, assignor to T. J. Chastain, Ashland, Nebr. Adjustable harness-pad | Oct. 21, 1879 | 742 | 197 | 16 | 749 |
| 213, 663 | Johnson, James B., assignor to Johnson Rock Drill Manufacturing Company, Boston, Mass. Rock-drill | Mar. 25, 1879 | 1021 | 290 | 15 | 453 |
| 218, 274 | Johnson, James H., Edwardsville, Ala. Cultivator | Aug. 5, 1879 | 187 | 50 | 16 | 246 |
| 216, 331 | Johnson, James M., and C. E. Burns; said Burns assignor of one-third interest to C. W. Burns, Lancaster, N. H. Machine for making spool-blanks | June 10, 1879 | 373 | 107 | 15 | 939 |
| 216, 618 | Johnson, James M., Niles, Mich. Hame-tug loop | June 17, 1879 | 698 | 199 | 15 | 991 |
| 214, 152 | Johnson, Jeremiah, Mount Pleasant, Iowa. Road-scraper | Apr. 8, 1879 | 496 | 141 | 15 | 543 |
| 213, 822 | Johnson, Jerry, Big Bend, La. Protecting levees | Apr. 1, 1879 | 100 | 30 | 15 | 485 |
| | Johnson, Job. (*See* Carley & Johnson.) | | | | | |
| 213, 905 | Johnson, Job, Brooklyn, N. Y. Elevated railway | Apr. 1, 1879 | 188 | 54, 55 | 15 | 496 |
| 214, 299 | Same.....Breakwater or pier | Apr. 15, 1879 | 678 | 190 | 15 | 576 |
| | Johnson, John A. (*See* Starks, Nils O., assignor.) | | | | | |
| 219, 953 | Johnson, John C., Brandon, Ohio. Harrow | Sept. 23, 1879 | 1029 | 286 | 16 | 573 |
| 216, 680 | Johnson, John E., Philadelphia, Pa. Surgical splint | June 17, 1879 | 758 | ..... | 15 | 999 |
| 221, 568 | Same.....same | Nov. 11, 1879 | 508 | 138 | 16 | 891 |
| 221, 569 | Same.....Apparatus for taking casts of the human form, &c | Nov. 11, 1879 | 508 | 138, 139 | 16 | 891 |
| 215, 128 | Johnson, John G. and O. G., Girardville, Pa. Wrench | May 6, 1879 | 177 | 50 | 15 | 723 |
| 8, 951 | Johnson, John H., assignor to E. B. Preston, Chicago, Ill. Hose-nozzle....(Reissue) | Oct. 28, 1879 | 1094 | 288 | 16 | 804 |
| 211, 331 | Johnson, Jordan, Hope, Texas. Bale-tie | Jan. 14, 1879 | 310 | 91 | 15 | 41 |
| 223, 142 | Johnson, Jordan, Hope, assignor of one-half interest to J. Williams, Williamsburg, Tex. Bale-tie | Dec. 30, 1879 | 1205 | 340 | 16 | 1216 |
| 8, 749 | Johnson, Josee, New Lebanon, N. Y., assignor, by mesne assignments, to B. H. Vellines. Machine for cleaning grain, nuts, &c (Reissue) | June 10, 1879 | 556 | 159 | 15 | 963 |
| 213, 205 | Johnson, Joseph, Marshalltown, assignor to self and F. A. Zieger, Eldora, Iowa. Flour-commode | Mar. 11, 1879 | 517 | 144 | 15 | 371 |
| 8, 776 | Johnson, Joseph B., Lynn, Mass., assignor, by mesne assignments, of one-half interest to A. Fuller. Machine for shaping the soles of boots and shoes.....(Reissue) | June 24, 1879 | 1072 | 304 | 15 | 1049 |
| 221, 567 | Johnson, Joseph B., Lynn, Mass. Machinery for cementing shoe uppers and soles | Nov. 11, 1879 | 506 | 138 | 16 | 891 |
| 219, 402 | Johnson, Joseph L., Clayton, N. C. Hand-truck attachment | Sept. 9, 1879 | 408 | 113 | 16 | 472 |
| 219, 482 | Johnson, Lewis H. and R. F., Brownsville, Tenn. Corn and pea planter | Sept. 9, 1879 | 490 | 136 | 16 | 483 |
| 216, 856 | Johnson, Lycourgus L. and W. E., Alanthus Grove, assignors to selves and M. D. Feather, Richmond, Mo. Automatic wagon-brake | June 24, 1879 | 981 | 278 | 15 | 1037 |
| 212, 605 | Johnson, Moses, assignor of one-half interest to M. C. Richardson, Lockport, N. Y. Hand-truck | Feb. 25, 1879 | 939 | 260 | 15 | 262 |
| 211, 097 | Johnson, Nelson, Jasper, N. Y. Insertible saw-tooth | Jan. 7, 1879 | 19 | 7 | 15 | 3 |
| | Johnson, Oliver G. (*See* Johnson, John G. and O. G.) | | | | | |
| 218, 033 | Johnson, Orange, Grand Ledge, Mich. Grain-bin | July 29, 1879 | 1265 | 359 | 16 | 203 |
| 217, 224 | Johnson, Peter N., New Orleans, La. Bale-band tightener | July 8, 1879 | 344 | 102 | 16 | 56 |
| 212, 944 | Johnson, Robert, Seedley, near Manchester, England. Machinery for pumping, forcing, and blowing | Mar. 4, 1879 | 203 | 57 | 15 | 322 |
| | Johnson, Robert A. (*See* Colby & Johnson.) | | | | | |
| 217, 111 | Johnson, Robert A., New York, N. Y. Manufacture of moldings and other articles from celluloid or pyroxyline | July 1, 1879 | 208 | 59 | 16 | 29 |
| | Johnson, Robert F. (*See* Johnson, Lewis H. and R. F.) | | | | | |
| | Johnson Rock Drill Manufacturing Company. (*See* Johnson, James B., assignor.) | | | | | |
| 215, 129 | Johnson, Stephen, Huntsville, Tex. Dumping-car | May 6, 1879 | 178 | 50 | 15 | 723 |
| 212, 705 | Johnson, Thomas, assignor of one-half interest to J. Baird, Saint Louis, Mo. Vapor-burner | Feb. 25, 1879 | 1036 | 287 | 15 | 274 |
| 211, 741 | Johnson, Thomas R., Montreal, Canada, assignor to R. J. S. Graham, South Brooklyn, N. Y. Air-cushion for invalid-beds | Jan. 28, 1879 | 792 | 222 | 15 | 108 |
| 219, 099 | Johnson, William, Milwaukee, Wis. Bung-bushing | Sept. 2, 1879 | 47 | 15 | 16 | 418 |
| 222, 501 | Johnson, William, assignor to self and G. W. Marling, Milwaukee, Wis Millstone-driver | Dec. 9, 1879 | 442 | 127 | 16 | 1079 |
| | Johnson, William E. (*See* Johnson, Lycourgus L. and W. E.) | | | | | |
| 213, 661 | Johnson, William S., assignor of one-third interest to A. J. Johnson, Knoxville, Tenn., and G. B. Crulam, Frederick, Md. Plow | Mar. 25, 1879 | 1018 | 290 | 15 | 453 |
| | Johnston, Alexander S., *et al.* (*See* Hinkley, Benjamin, assignor.) | | | | | |
| 211, 742 | Johnston, Allen, Ottumwa, Iowa. Thread-cutting tool for metal-screw machines | Jan. 28, 1879 | 793 | 223 | 15 | 108 |
| 211, 911 | Same.....Metal-screw machine | Feb. 4, 1879 | 101 | 29, 30 | 15 | 138 |
| 215, 060 | Same.....Tuck-marking attachment for sewing-machines | May 6, 1879 | 84 | 26 | 15 | 713 |
| | Johnston, Andrew, *et al.* (*See* Reed, John C., assignor).....(Reissue.) | | | | | |
| 214, 664 | Johnston, Clark, Rochester, N. Y. Lantern | Apr. 22, 1879 | 1111 | 311 | 15 | 638 |
| 217, 947 | Same..... Lamp | July 29, 1879 | 1171 | 335 | 16 | 191 |
| | Johnston & Co., A. M. (*See* Cormack, George H., assignor.) | | | | | |
| 213, 428 | Johnston, Daniel D., New Washington, Ohio. Harrow-teeth | Mar. 18, 1879 | 759 | 214 | 15 | 412 |
| 213, 204 | Johnston, Edward H., assignor to Wharton Railroad Switch Company, Philadelphia, Pa. Railway frog | Mar. 11, 1879 | 516 | 143 | 15 | 371 |
| 214, 920 | Johnston, James L., assignor to J. Buchanan, Chicago, Ill. Vehicle-brake | Apr. 29, 1879 | 1407 | 390 | 15 | 684 |
| 221, 827 | Johnston, James L., Chicago, Ill. Bung | Nov. 18, 1879 | 806 | 224 | 16 | 940 |
| 212, 231 | Johnston, John, Iona, Ontario, Canada. Rein and whip holder | Feb. 11, 1879 | 470 | 130 | 15 | 188 |
| 214, 155 | Johnston, John, Woonsocket, R. I. Loom-shuttle | Apr. 8, 1879 | 498 | 141 | 15 | 543 |
| 214, 156 | Johnston, John, assignor to self and M. W. A. Clark, Woonsocket, R. I. Loom-shuttle | Apr. 8, 1879 | 499 | 142 | 15 | 543 |
| 219, 159 | Johnston, John, Woonsocket, R. I. Loom-shuttle | Sept. 2, 1879 | 115 | 33 | 16 | 427 |
| 220, 763 | Johnston, John J., Pittsfield, Ill. Escapement for time-keepers | Oct. 21, 1879 | 645 | 172 | 16 | 737 |
| 212, 230 | Johnston, Larkin F., Pocahontas, Ark. Wedge for splitting logs | Feb. 11, 1879 | 469 | 129 | 15 | 188 |
| 222, 280 | Johnston, Michael H., Aledo, Ill. Mower | Dec. 2, 1879 | 184 | 49 | 16 | 1034 |
| | Johnston, Robert E. (*See* Maltby & Martin, assignors.) | | | | | |
| 216, 960 | Johnston, Samuel, Brockport, N. Y. Harvesting-machine | July 1, 1879 | 38 | 12 | 16 | 7 |
| 222, 632 | Same.....Grain-binder | Dec. 16, 1879 | 611 | 174, 175 | 16 | 1112 |
| 222, 633 | Same.....Grain-binding harvester | Dec. 16, 1879 | 615 | 175, 176 | 16 | 1112 |
| | Johnston, Wilbur F. (*See* Johnston, William A. and W. F.) | | | | | |
| 221, 318 | Johnston, William, Washington, D. C. Air-compressor | Nov. 4, 1879 | 202 | 55 | 16 | 840 |
| 213, 575 | Johnston, William A. and W. F., Edgewater, N. Y. Valve-cock | Mar. 25, 1879 | 924 | 263 | 15 | 440 |
| 213, 576 | Same.....Bottle for holding compressed gases, and case | Mar. 25, 1879 | 926 | 263 | 15 | 440 |
| 213, 662 | Johnston, William A., Clifton, and A. W. Browne, Pleasant Plains, N. Y.; said Browne assignor to said Johnston. Hand-piece for dental engines | Mar. 25, 1879 | 1018 | 290 | 15 | 453 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Johnston, William M. (*See* Deal, Josiah J., assignor.) | | | | | |
| | Johnston, William M., *et al.* (*See* Hobbs, Samuel, assignor.) | | | | | |
| | Jolliffe, James E. (*See* Dippert, William E., assignor.) | | | | | |
| 213, 113 | Jones, Abner H., Ilion, and I. Osgood, Utica, N. Y. Game-indicator | Mar. 11, 1879 | 416 | 115 | 15 | 358 |
| 218, 978 | Jones, Andrew M., Birmingham, Ala. Wagon-jack | Aug. 26, 1879 | 1029 | 290 | 16 | 389 |
| 215, 930 | Jones, Benjamin F., Boonville, Mo. Hay ricker and stacker | May 27, 1879 | 1102 | 320 | 15 | 865 |
| 222, 708 | Jones, Charles A., San Francisco, Cal. Overalls | Dec. 16, 1879 | 698 | 200 | 16 | 1125 |
| 217, 537 | Jones, Daniel N., Johnstown, Pa., assignor to self and Cambria Iron Company. Rolling-mill | July 15, 1879 | 687 | 196 | 16 | 112 |
| | Jones, David. (*See* Mulkey, George H., assignor.) | | | | | |
| 212, 385 | Jones, David H., Belleview, Pa. Supplying water to wash-stands on cars | Feb. 18, 1879 | 655 | 184 | 15 | 216 |
| 221, 680 | Same.....Air-carbureting apparatus for railway-cars | Nov. 18, 1879 | 628 | 176 | 16 | 917 |
| | Jones, David R., *et al.* (*See* Archibald & Holcroft, assignors.) | | | | | |
| 8, 609 | Jones, Edward D. G., Pittsfield, Mass. Rag-engine.....(Reissue) | Mar. 4, 1879 | 305 | 85 | 15 | 336 |
| 214, 398 | Jones, Edward H., Wilkesbarre, Pa. Cylinder-tooth for coal-breakers | Apr. 15, 1879 | 805 | 226 | 15 | 591 |
| 215, 131 | Same..... Device for extracting teeth from coal-breaking cylinders | May 6, 1879 | 179 | 51 | 15 | 724 |
| 216, 416 | Jones, Edward T., Toronto, Ontario, Canada. Oiling-vessel | June 10, 1879 | 469 | 135 | 15 | 951 |
| 211, 472 | Jones, Edwin R., Moorefield, Ohio, and J. W. Grubbs, Cannonsburg, Pa. Clover thrasher and huller | Jan. 21, 1879 | 466 | 132 | 15 | 63 |
| | Jones, Evan. (*See* Atkinson, James M., assignor.) | | | | | |
| | Jones, Faulkner & Co., *et al.* (*See* Benson, Edward, assignor.) | | | | | |
| 218, 181 | Jones, Francis W., Chicago, Ill., assignor to Western Union Telegraph Company, New York, N. Y. Key system for quadruplex telegraphs | Aug. 5, 1879 | 88 | 23 | 16 | 233 |
| | Jones, Frank L., *et al.* (*See* Faulkner, Horace K., assignor.) | | | | | |
| 218, 979 | Jones, Frank L., Utica, N. Y. Press-ring for cheese-presses | Aug. 26, 1879 | 1030 | 290 | 16 | 389 |
| | Jones, George. (*See* Duncan & Jones.) | | | | | |
| 8, 743 | Jones, George, Peekskill, N. Y., assignor, by mesne assignments, to E. Sarles. Door-knob.....(Reissue) | June 10, 1879 | 550 | 157 | 15 | 962 |
| 220, 384 | Jones, George H., 57 Great Russell street, Bloomsburg, Middlesex County, England. Lathe for dental surgery | Oct. 7, 1879 | 197 | 53 | 16 | 662 |
| 222, 707 | Jones, George W., Mansfield Valley, Pa. Device for dressing millstones | Dec. 16, 1879 | 697 | 200 | 16 | 1125 |
| | Jones, Harry C., *et al.* (*See* Spencer, Charles F., assignor.) | | | | | |
| | Jones, Henry. (*See* Gusman & Jones.) | | | | | |
| 218, 275 | Jones, Henry, Coshocton, Ohio. Vehicle-axle box | Aug. 5, 1879 | 188 | 51 | 16 | 246 |
| 215, 003 | Jones, Herbert E., Boston, Mass. Street-railway | May 6, 1879 | 23 | 8 | 15 | 706 |
| 221, 570 | Jones, Jacob G., Baltimore, Md., assignor of one-half interest to H. K. Thurber, New York, N. Y. Can-soldering machine | Nov. 11, 1879 | 510 | 139 | 16 | 891 |
| 215, 132 | Jones, James, Louisville, Ky. Middlings-grinding mill | May 6, 1879 | 180 | 51 | 15 | 724 |
| | Jones, James C., *et al.* (*See* Jacobson, Christian F., assignor.) | | | | | |
| | Jones, James E., *et al.* (*See* Palmer, Augustus H., assignor.) | | | | | |
| 218, 534 | Jones, James H., assignor to Emerson, Talcott & Co., Rockford, Ill. Mower | Aug. 12, 1879 | 497 | 139, 140 | 16 | 298 |
| 222, 589 | Jones, J. Herva, and R. Emerson, assignors to said R. Emerson and W. A. Talcott, Rockford, Ill. Harvester-rake | Dec. 16, 1879 | 556 | 158, 159 | 16 | 1104 |
| | Jones, John. (*See* Holly & Jones.) | | | | | |
| 216, 189 | Jones, John A., Mount Pleasant, Del. Drill-point for seed-drills | June 3, 1879 | 189 | 56 | 15 | 909 |
| 212, 384 | Jones, John M., Palmyra, N. Y. Paper-cutting machine | Feb. 18, 1879 | 654 | 183 | 15 | 216 |
| 215, 459 | Same.....Printing-press | May 20, 1879 | 572 | 168 | 15 | 789 |
| | Jones, John O. (*See* Davies, Jones & Thomas.) | | | | | |
| 217, 225 | Jones, John R., New York, N. Y., and F. V. Sandford, Chelsea, Mass. Bung | July 8, 1879 | 345 | 102 | 16 | 56 |
| 219, 483 | Jones, John T., Chattanooga, Tenn. Feeding apparatus for nail-machines | Sept. 9, 1879 | 491 | 137 | 16 | 483 |
| 217, 226 | Jones, John W., Portland, Me. Canning meat | July 8, 1879 | 346 | ..... | 16 | 56 |
| 212, 947 | Jones, Joshua W., Harrisburg, Pa. Pressing-machine and sheet-tie | Mar. 4, 1879 | 205 | 58 | 15 | 323 |
| 219, 734 | Same.....Book-binder's combined evening-up and compressing table | Sept. 16, 1879 | 776 | 214 | 16 | 529 |
| 222, 281 | Jones, Josiah R., and R. Russ, North Lewisburg, Ohio, assignors of one-third interest to F. Hoisington; said Russ assignor of his remaining interest to A. L. Williams. Nut-lock | Dec. 2, 1879 | 187 | 49 | 16 | 1034 |
| 222, 792 | Jones, Levin T., Baltimore, Md. Polishing-machine for boots and shoes | Dec. 23, 1879 | 795 | 228, 229 | 16 | 1149 |
| | Jones, Lorraine F. (*See* Gratz & Jones.) | | | | | |
| 8, 623 | Jones, Nathaniel, Syracuse, N. Y., assignor of one-fourth interest to H. G. Bell. Truss-pad.....(Reissue) | Mar. 11, 1879 | 601 | 168 | 15 | 382 |
| 216, 092 | Jones, Owen H., Hartford, Conn. Belt-fastener | June 3, 1879 | 91 | 26 | 15 | 896 |
| | Jones, Richard H. (*See* Spaulding, George H., assignor).....(Reissue.) | | | | | |
| 219, 268 | Jones, Richard R., Remsen, N. Y. Butter-tub | Sept. 2, 1879 | 243 | 69 | 16 | 443 |
| 219, 954 | Jones, Robert, and L. S. Bonbrack, Waynesburg, Ohio. Metal roofing | Sept. 23, 1879 | 1031 | 287 | 16 | 573 |
| | Jones, Robert D., *et al.* (*See* Hyre, Harrison L., assignor.) | | | | | |
| 221, 412 | Jones, Robert G., Pittsburg, Pa. Construction of barges, boats, &c | Nov. 11, 1879 | 320 | 87, 88 | 16 | 865 |
| 216, 857 | Jones, Samuel, Lincoln, Ill. Shoe fastening and lacing | June 24, 1879 | 982 | 279 | 15 | 1037 |
| | Jones, Thomas. (*See* Wilson, Jones & Catlin.) | | | | | |
| 215, 458 | Jones, Walter H., Brooklyn, N. Y. Spinning-top | May 20, 1879 | 571 | 167 | 15 | 789 |
| 215, 931 | Jones, William, Millpoint, N. Y. Cultivator | May 27, 1879 | 1103 | 320 | 15 | 866 |
| 8, 756 | Jones, William, Oshawa, Ontario, Canada. Shutter-worker.....(Reissue) | June 17, 1879 | 802 | 230 | 15 | 1006 |
| | Jones, William A. (*See* Culver, Jones & Briggs.) | | | | | |
| 213, 206 | Jones, William G., San José, Cal. Bread-box | Mar. 11, 1879 | 518 | 144 | 15 | 371 |
| 221, 828 | Jones, William E., and B. P. Myers, Jones Station, Ohio. Carpenter's lever | Nov. 18, 1879 | 807 | 224 | 16 | 940 |
| 219, 955 | Jones, William H., Rochester, N. Y. Manufacturing whips | Sept. 23, 1879 | 1031 | 287 | 16 | 573 |
| | Jones, William P., *et al.* (*See* Woods, Frank M., assignor.) | | | | | |
| 215, 365 | Jones, Zachariah F., Scottsville, Va. Tobacco-elevator | May 13, 1879 | 449 | 135 | 15 | 763 |
| 214, 922 | Jonson, Julius, New York, N. Y. Hydrant | Apr. 29, 1879 | 1409 | 391 | 15 | 684 |
| 222, 706 | Jonson, Julius, and D. Jackson, New York, N. Y. Fire-escape | Dec. 16, 1879 | 695 | 200 | 16 | 1124 |
| 221, 571 | Jopson, George W., Meriden, Conn. Key-ring | Nov. 11, 1879 | 511 | 139 | 16 | 892 |
| | Jordan, Allen, jr. (*See* Porter, Benjamin S., assignor.) | | | | | |
| 211, 407 | Jordan, Edmund, assignor to Bliss & Williams, Brooklyn, N. Y. Machine for cutting, drawing, and stamping sheet-metal | Jan. 14, 1879 | 389 | 111 | 15 | 50 |
| | Jordan, William F. (*See* Schuchard, Frank G., assignor.) | | | | | |
| 220, 624 | Jörgensen, Carl J., Stade, Hanover, Germany. Passenger-gate | Oct. 14, 1879 | 480 | 126 | 16 | 707 |
| 215, 460 | Jory, John, San Francisco, Cal. Seam for boots and shoes | May 20, 1879 | 573 | 168 | 15 | 789 |
| 218, 750 | Jory, John G., Baltimore, Md. Transparent sign | Aug. 19, 1879 | 744 | 212 | 16 | 341 |
| | Joseph, Louis W. (*See* Olson, Olof, assignor.) | | | | | |
| 218, 980 | Josias, Joshua M., New York, N. Y. Clock | Aug. 26, 1879 | 1031 | 290 | 16 | 390 |
| 211, 743 | Joslyn, Benjamin F., Worcester, Mass. Revolving fire-arm | Jan. 28, 1879 | 795 | 223 | 15 | 108 |
| 222, 912 | Joslyn, Benjamin F., Worcester, assignor to D. B. Wesson, Springfield, Mass. Magazine fire-arm | Dec. 23, 1879 | 934 | 268 | 16 | 1169 |
| 221, 236 | Joslyn, Elias P., Brockport, N. Y. Wagon-gear | Nov. 4, 1879 | 108 | 28 | 16 | 827 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216, 961 | Jouet, Joseph, New Orleans, La, Elevating or draining wheel | July 1, 1879 | 39 | 13 | 16 | 7 |
| 216, 190 | Joule, Benjamin A., Sale Chester County, Great Britain. Velocipede | June 3, 1879 | 190 | 56 | 15 | 909 |
| 220, 385 | Joute, Pierre F., Cincinnati, Ohio. Treadle-movement for sewing-machines | Oct. 7, 1879 | 198 | 52 | 16 | 662 |
| 212, 557 | Jova, John J., New York, assignor to self and Atlantic Steam Engine Works Company, Brooklyn, N. Y. Portable railway | Feb. 25, 1879 | 885 | 244 | 15 | 255 |
| 217, 538 | Joyce, Charles R., Alexandria, Va. Drip-pipe | July 15, 1879 | 689 | 196 | 16 | 112 |
| 218, 125 | Same.....Gage-cock | Aug. 5, 1879 | 20 | 6 | 16 | 223 |
| | Joyce, Jacob O. (*See* Goodwin & Joyce.) | | | | | |
| 221, 572 | Joyce, Joseph L., New Haven, Conn. Clasp for shoes | Nov. 11, 1879 | 511 | 139 | 16 | 892 |
| 223, 143 | Same.....Boot and shoe | Dec. 30, 1879 | 1206 | 341 | 16 | 1216 |
| | Joyce, Robert T., *et al.* (*See* Kendall, John J., assignor.) | | | | | |
| 218, 981 | Jubb, John P. Fayette, Mich. Coffee-pot | Aug. 26, 1879 | 1032 | 290 | 16 | 390 |
| 215, 523 | Judd, Albert D., Orange, N. J. Bracket | May 20, 1879 | 643 | 188 | 15 | 798 |
| 217, 009 | Judd, Albert D., Wallingford, Conn. Chandelier-hook | July 1, 1879 | 86 | 26 | 16 | 13 |
| 221, 965 | Same.....Inkstand | Nov. 25, 1879 | 982 | 275 | 16 | 973 |
| 220, 153 | Judd, Charles D., Bridgeport, Conn. Machine for tapping water and gas mains | Sept. 30, 1879 | 1268 | 348 | 16 | 614 |
| | Judd, Oliver S. (*See* Schaefer, Charles A., assignor).....(Reissue.) | | | | | |
| | Judge, William Q., *et al.* (*See* Hall, Thomas G., assignor.) | | | | | |
| 217, 877 | Judson, Henry P., Brighton, Mass. Apparatus for the manufacture of fertilizers | July 29, 1879 | 1094 | 312 | 16 | 181 |
| 217, 010 | Judson, Roswell S., and C. J. Hancock, Matteawan, N. Y. Flower-stand | July 1, 1879 | 87 | 26 | 16 | 14 |
| | Julien, Edward. (*See* Caron & Julien.) | | | | | |
| 216, 417 | June, Solomon, assignor of one-half interest to T. J. McElheny, Ithaca, N. Y. Chain fence and gate | June 10, 1879 | 470 | 135 | 15 | 951 |
| 211, 912 | Jung, Philipp, Jersey City, N. J. Sad-iron holder | Feb. 4, 1879 | 104 | 30 | 15 | 139 |
| | Junghann, Otto. (*See* Althans, Junghann & Ulsmann.) | | | | | |
| | Junghans Brothers. (*See* Weisser, Theodor, assignor.) | | | | | |
| 217, 621 | Jungmann, Henry, Madison, Wis. Foot-rest | July 15, 1879 | 785 | 223 | 16 | 124 |
| 217, 112 | Junker, Carl, Carlsruhe, Baden, Germany. Sewing-machine | July 1, 1879 | 209 | 60 | 16 | 29 |
| 215, 283 | Jury, F. Herrman, New York, N. Y. Child's carriage | May 13, 1879 | 366 | 106, 107 | 15 | 752 |
| 215, 366 | Jusberg. Galva, Ill. Lawn-mower | May 13, 1879 | 450 | 135 | 15 | 763 |
| | Justh, Emanuel S. (*See* Justh, Isaac S., assignor.) | | | | | |
| 220, 718 | Justh, Isaac S., assignor to self and E. S. Justh, Washington, D. C. Street-ear warmer | Oct. 21, 1879 | 597 | 159 | 16 | 731 |
| 222, 709 | Justi, Frederick L. H., and E. S. Maud, Pocahontas, Ill. Lid for organ-pedals | Dec. 16, 1879 | 698 | 201 | 16 | 1125 |
| | Justi, Henry D. (*See* Taylor, Samuel C., assignor).....(Reissue.) | | | | | |
| 214, 923 | Justi, Henry D., Philadelphia, Pa. Tool-holder for dental tools, &c | Apr. 29, 1879 | 1410 | 391 | 15 | 685 |
| 215, 226 | Same.....Dental plugger | May 13, 1879 | 293 | 86 | 15 | 742 |
| 215, 932 | Same.....Dental hand-piece | May 27, 1879 | 1104 | 320 | 15 | 866 |
| 216, 858 | Same.....Flexible shafting | June 24, 1879 | 983 | 279 | 15 | 1037 |
| | Juvet & Co. (*See* Arkell, James, assignor.) | | | | | |
| 8, 666 | Juvet, Louis P., Glens Falls, N. Y. Time-globe.....(Reissue) | Apr. 8, 1879 | 588 | 167 | 15 | 555 |
| 220, 480 | Same.....same | Oct. 14, 1879 | 311 | 82 | 16 | 686 |
| 213, 048 | Juvet, Ulysses A., Glens Falls, N. Y. Stop-watch | Mar. 11, 1879 | 333 | 94 | 15 | 348 |
| 213, 757 | Kacy, William H., Bird in Hand, assignor to self and C. Snyder, Camp Hill, Pa. Force-pump | Apr. 1, 1879 | 29 | 9 | 15 | 476 |
| | Kaemp, Reinhold. (*See* Nagle & Kaemp.) | | | | | |
| | Kahl, Alfred. (*See* Rafflenbeul & Kahl.) | | | | | |
| 216, 332 | Kahler, Conrad, Chicago, Ill., assignor to F. B. Williams, Philadelphia, Pa. Newspaper-folding machine | June 10, 1879 | 377 | 107, 108 | 15 | 939 |
| | Kahler, Henry D. (*See* Read & Kahler.) | | | | | |
| 222, 634 | Kahler, Henry D., Mount Auburn, Iowa. Railway-gate | Dec. 16, 1879 | 618 | 176, 177 | 16 | 1113 |
| | Kahlke, Henry W. (*See* Tower & Kahlke.) | | | | | |
| 218, 676 | Kahn, Charles, jr., Cincinnati, Ohio. Detergent compound | Aug. 19, 1879 | 669 | ..... | 16 | 330 |
| | Kalbfleisch, Albert M. (*See* Knudson, Adolphus A., assignor.) | | | | | |
| 219, 956 | Kalbitz, Robert, Saint Louis, Mo. Oven for stoves | Sept. 23, 1879 | 1032 | 287 | 16 | 574 |
| 221, 319 | Kaltwasser, Frederick, Belleville, Ill. Construction of buildings | Nov. 4, 1879 | 204 | 55 | 16 | 840 |
| 211, 408 | Kampf, George, Utica, N. Y. Halter-chain | Jan. 14, 1879 | 390 | 111 | 15 | 50 |
| | Kamping. F. William, *et al.* (*See* Knapp, John A., assignor.) | | | | | |
| 219, 957 | Kampman, Henry J., Stanford, Ill. Bitters | Sept. 23, 1879 | 1033 | ..... | 16 | 574 |
| 212, 707 | Kane, Charles I., assignor to New York Silk Manufacturing Company, New York, N. Y. Shuttle-driving mechanism for looms | Feb. 25, 1879 | 1037 | 288 | 15 | 275 |
| 213, 207 | Same.....Loom-shuttle | Mar. 11, 1879 | 519 | 144 | 15 | 371 |
| | Kane, Daniel P. (*See* Goodman, Henry, assignor.) | | | | | |
| 217, 878 | Kane, Frank H., Cincinnati, Ohio. Belt-fastener | July 29, 1879 | 1096 | 315 | 16 | 181 |
| | Kane, Michael M., *et al.* (*See* Knapp, John O., assignor.) | | | | | |
| 217, 289 | Kane, Thomas, Chicago, Ill. Blackboard | July 8, 1879 | 408 | 121 | 16 | 64 |
| | Kann, Isidor. (*See* Koehl, Charles, assignor.) | | | | | |
| 212, 948 | Kanouse, Charles O., Newark, N. J., assignor to Celluloid Hat and Trimming Company, New York, N. Y. Sweat-band for hats | Mar. 4, 1879 | 207 | 59 | 15 | 323 |
| 219, 484 | Kanouse, Charles O., Newark, N. J. Insole | Sept. 9, 1879 | 492 | 137 | 16 | 483 |
| 220, 386 | Kanouse, Charles O., and A. A. Sanborn, Newark, N. J., assignor to Celluloid Waterproof Cuff and Collar Company, New York, N. Y. Celluloid collar and cuff | Oct. 7, 1879 | 199 | 53 | 16 | 662 |
| | Kansas Iron Fence Company. (*See* Mathias, David S., assignor.) | | | | | |
| 216, 962 | Kaplan, Abe O., and A. Illowy, Cincinnati, Ohio. Combined horse detacher and brake | July 1, 1879 | 40 | 13 | 16 | 8 |
| 218, 535 | Kaps, Ernst, Dresden, Saxony. Piano-forte | Aug. 12, 1879 | 499 | 140 | 16 | 299 |
| 215, 933 | Karel, Ignatz, assignor to self and E. L. Hawes, Blue Earth City, Minn. Packing-box for eggs | May 27, 1879 | 1106 | 320 | 15 | 866 |
| 212, 949 | Karr, James P., Monticello, Ind. Bee-hive | Mar. 4, 1879 | 207 | 59 | 15 | 323 |
| 214, 399 | Karsner, Isaac, Florida, Ohio. Road-ditcher | Apr. 15, 1879 | 805 | 226 | 15 | 591 |
| | Karst, John. (*See* Treat, John, assignor.) | | | | | |
| 221, 829 | Karstens, Charles, San Francisco, Cal. Beer-faucet | Nov. 18, 1879 | 808 | 225 | 16 | 940 |
| | Kasson, Charles V. (*See* Blackhall, Edward W., assignor.) | | | | | |
| | Kast, F. X., *et al.* (*See* McNulty, Patrick, assignor.) | | | | | |
| | Kast, L. S., *et al.* (*See* McNulty, Patrick, assignor.) | | | | | |
| 221, 735 | Kasten, Julius, Milwaukee, Wis. Cylinder for cockle-separators | Nov. 18, 1879 | 691 | 193 | 16 | 925 |
| 217, 692 | Kator, George, Northville, Mich. Bolt-lock | July 22, 1879 | 885 | 252 | 16 | 146 |
| 222, 408 | Kattell, Edward C., Binghamton, N. Y. Refining petroleum-oils | Dec. 9, 1879 | 327 | 93 | 16 | 1064 |
| 215, 629 | Katzenstein, Leopold, New York, N. Y. Packing for piston-rods, &c | May 20, 1879 | 765 | 224 | 15 | 814 |
| 214, 400 | Kauffman, Moses J., Arcola, Ill. Fifth-wheel for vehicles | Apr. 15, 1879 | 806 | 226 | 15 | 592 |
| 212, 473 | Kaufmann, Michael, London, Great Britain, and J. Warnant, Hognée, Belgium; said Warnant assignor to said Kaufmann. Lock for fire-arms | Feb. 18, 1879 | 708 | 212 | 15 | 231 |
| 214, 300 | Kay, Henry E., Fall River, Mass. Machine for making spools | Apr. 15, 1879 | 679 | 190, 191 | 15 | 576 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 220, 387 | Kay, Joel, and S. Rockefeller, Bodie, Cal. Ventilating apparatus for mines | Oct. 7, 1879 | 200 | 53 | 16 | 662 |
| | Kaye, Jim W. (*See* Kaye, Joseph, J. W., and W. K.) | | | | | |
| 219, 485 | Kaye, Joseph, J. W., and W. K., Kirkstall, Leeds, York County, Great Britain. Latch. | Sept. 9, 1879 | 493 | 137 | 16 | 483 |
| | Kaye, Walter K. (*See* Kaye, Joseph, J. W., and W. K.) | | | | | |
| 218, 982 | Kayner, David P., Saint Charles, Ill. Double-combustion hot-air furnace | Aug. 26, 1879 | 1033 | 291 | 16 | 390 |
| 214, 665 | Kays, Thomas, and W. H. Halsey, Newark, N. J., assignors to Rubber and Celluloid Harness Trimming Company. Lathe for turning rings of celluloid and other materials | Apr. 22, 1879 | 1113 | 312 | 15 | 639 |
| 217, 796 | Kayser, Joseph, assignor to M. and H. Schrenkeisen, New York, N. Y. Combined table and music-stand | July 22, 1879 | 989 | 283 | 16 | 161 |
| 219, 735 | Kayser, Joseph, New York, N. Y. Pressure-gage | Sept. 16, 1879 | 777 | 214 | 16 | 529 |
| 215, 461 | Kayser, Meinhold, New York, N. Y. Bracelet | May 20, 1879 | 574 | 168 | 15 | 789 |
| | Kearney, Francis B. (*See* Wiggers, Henry H., assignor) (Reissue.) | | | | | |
| | Keats, Alphonso. (*See* Keats, Horatio C. and A.) | | | | | |
| 214, 666 | Keats, Horatio C. and A., Newcastle, England. Combined insole and welt for boots and shoes | Apr. 22, 1879 | 1114 | 312 | 15 | 639 |
| | Keck, Philip, *et al.* (*See* Cole, George P., assignor.) | | | | | |
| 212, 011 | Keech, Thomas, New York, N. Y. Hot-air bath apparatus | Feb. 4, 1879 | 213 | 60 | 15 | 153 |
| 212, 233 | Keeler, Edward L., assignor to J. Graff, Beaver Falls, Pa. Manufacture of hoes | Feb. 11, 1879 | 472 | 130 | 15 | 189 |
| 219, 269 | Keen, George T., Washington, D. C. Pantaloons | Sept. 2, 1879 | 244 | 69 | 16 | 443 |
| | Keen, Joshua A., *et al.* (*See* Riplinger, John, assignor) (Reissue.) | | | | | |
| | Keen, Joshua J. (*See* Riplinger, John, assignor.) | | | | | |
| 223, 144 | Keenan, William, assignor of one-half interest to N. B. Hooper, Brooklyn, N. Y. Hat-pouncing machine | Dec. 30, 1879 | 1207 | 341 | 16 | 1217 |
| 219, 736 | Keene, Charles C., Marengo, Iowa. Neck-yoke | Sept. 16, 1879 | 778 | 214 | 16 | 529 |
| 215, 934 | Keep, James M., New York, N. Y., assignor to J. N. Keep, Jersey City, N. J. Toy pistol | May 27, 1879 | 1106 | 321 | 15 | 866 |
| 221, 320 | Same.....Animal-trap | Nov. 4, 1879 | 205 | 56 | 16 | 840 |
| | Keep, Joanna N. (*See* Keep, James M., assignor.) | | | | | |
| | Kees, John. (*See* Norman, Andrew A., assignor.) | | | | | |
| 221, 573 | Keevil, Henry, Bath, Somersetshire, England. Dissolving-view lantern | Nov. 11, 1879 | 512 | 140 | 16 | 892 |
| 215, 630 | Kehoe, Thomas, Owensborough, Ky. Wash-board | May 20, 1879 | 766 | 224 | 15 | 814 |
| 222, 409 | Keif, Thomas L., Lynn, Mass. Heel-burnishing machine | Dec. 9, 1879 | 329 | 93 | 16 | 1064 |
| 212, 558 | Keighley, Sebastian E., Middle Haddam, Conn. Implement for uncapping cartridge-shells | Feb. 25, 1879 | 886 | 245 | 15 | 255 |
| 8, 848 | Keim, Simon J., Catasauqua, Pa., assignor of one-half interest to W. Younger. Car-coupling (Reissue) | Aug. 12, 1879 | 592 | 167 | 16 | 312 |
| 220, 976 | Keim, Simon J., assignor of one-half interest to W. Younger, Catasauqua, Pa. Sash-balance | Oct. 28, 1879 | 906 | 242 | 16 | 780 |
| 216, 794 | Keiper, Henry B., assignor of one-half interest to J. M. Keiper, Lancaster, Pa. Combined lever rotary motion by impact | June 24, 1879 | 909 | 259 | 15 | 1028 |
| | Keiper, John M. (*See* Keiper, Henry B., assignor.) | | | | | |
| 212, 474 | Keiran, Michael E., Boston, Mass. Foot or leg rest for chairs | Feb. 18, 1879 | 769 | 213 | 15 | 231 |
| 214, 570 | Keiser, Andrew, assignor of one-half interest to H. R. Kent, Prophetstown, Ill. Fender for harvester-rakes | Apr. 22, 1879 | 1011 | 284 | 15 | 625 |
| 215, 462 | Keith, Jeremiah, Providence, R. I. Sewing-machine | May 20, 1879 | 575 | 169 | 15 | 789 |
| 217, 948 | Same.....Waxed or tarred thread | July 29, 1879 | 1172 | 333 | 16 | 191 |
| 215, 463 | Keith, Nathaniel S., Brooklyn, N. Y. Solution for electrolysis of lead | May 20, 1879 | 577 | ..... | 15 | 789 |
| 218, 884 | Keith, Squire, assignor of one-half interest to A. H. Spaulding, Silver Creek, N. Y. Elastic cushion for millstones | Aug. 26, 1879 | 931 | 262 | 16 | 376 |
| | Keith, Thomas K. (*See* Tuttle & Keith.) | | | | | |
| 213, 758 | Kellar, William J., Davis, Ill. Band-cutter | Apr. 1, 1879 | 30 | 10 | 15 | 477 |
| 214, 507 | Kellem, Daniel C., Detroit, Mich. Damper-regulator for furnaces | Apr. 22, 1879 | 941 | 266 | 15 | 617 |
| 216, 333 | Keller, Chauncy F., Lima, Ohio. Middlings-separator | June 10, 1879 | 379 | 108 | 15 | 939 |
| | Keller, Edmond M. (*See* Keller, John H. and E. M.) (Reissue.) | | | | | |
| 214, 667 | Keller, Henry M., Newark, Ohio. Harrow | Apr. 22, 1879 | 1115 | 312 | 15 | 639 |
| 218, 442 | Keller, John, Lancaster, Pa. Rail-supporting shoe-plate | Aug. 12, 1879 | 387 | 106 | 16 | 283 |
| 8, 989 | Keller, John H. and E. M., Clyde, Ohio, assignors to C. J. Albeck. Buggy-top. (Reissue) | Dec. 9, 1879 | 522 | 147 | 16 | 1089 |
| 217, 227 | Keller, Moses A., assignor of one-half interest to W. J. Englebeck, Fremont, Ohio. Self-binding harvester | July 8, 1879 | 347 | 103 | 16 | 56 |
| 221, 921 | Keller, Moses A., Brockport, N. Y. Knotting apparatus for grain-binders | Nov. 25, 1879 | 927 | 260 | 16 | 966 |
| 221, 922 | Same.....Gleaning and grain-binding machine | Nov. 25, 1879 | 930 | 260, 261 | 16 | 966 |
| 211, 744 | Keller, Peter, Cincinnati, Ohio, assignor to Cragin Brothers & Chandler, Chicago, Ill. Carbureter | Jan. 28, 1879 | 796 | 223 | 15 | 108 |
| 216, 191 | Keller, Peter, assignor to Cragin Brothers & Chandler, Chicago, Ill. Gas-carbureter | June 3, 1879 | 191 | 56 | 15 | 909 |
| 218, 677 | Keller, Peter, Cincinnati, Ohio. Double self-acting gas-check valve | Aug. 19, 1879 | 669 | 190 | 16 | 330 |
| | Keller, Peter P. (*See* Hardy, Thomas P., assignor.) | | | | | |
| 217, 228 | Kellett, Thomas A., La Porte City, Iowa. Heater for lamps | July 8, 1879 | 350 | 104 | 16 | 57 |
| 215, 935 | Kelley, Dennis, Pawtucket, assignor of one-half interest to Foster & Bailey, Providence, R. I. Spindle for spinning-machines | May 27, 1879 | 1108 | 321 | 15 | 866 |
| 212, 097 | Kelley, Frank A., Petaluma, Cal. Apparatus for loading and unloading hay, &c | Feb. 11, 1879 | 321 | 88 | 15 | 169 |
| 8, 591 | Kelley, William, Baltimore, Md. Signal for locomotive head-lights (Reissue) | Feb. 18, 1879 | 850 | 236 | 15 | 242 |
| 217, 113 | Kelley, William E., Coldwater, Mich. Seed-planter | July 1, 1879 | 211 | 60, 61 | 16 | 29 |
| 223, 145 | Kelley, William P., assignor of one-half interest to J. F. Wilson, Oneida, N. Y. Vehicle-spring | Dec. 30, 1879 | 1208 | 341 | 16 | 1217 |
| | Kellis, William. (*See* Gay & Kellis.) | | | | | |
| | Kellogg, Ansel N., *et al.* (*See* Schock, James J., assignor.) | | | | | |
| 217, 290 | Kellogg, Charles E., Elmwood, Conn. Lamp-chimney | July 8, 1879 | 409 | 121 | 16 | 64 |
| 217, 797 | Same.....Picture-tablet | July 22, 1879 | 990 | 283 | 16 | 161 |
| 218, 126 | Kellogg, Charles H., and J. W. Seaver, Buffalo, N. Y. Car-truck | Aug. 5, 1879 | 21 | 6 | 16 | 223 |
| 219, 270 | Kellogg, Clement A., Columbus Grove, Ohio. Curtain-fixture | Sept. 2, 1879 | 245 | 69 | 16 | 443 |
| | Kellogg, Daniel, *et al.* (*See* Bolinger, John B., assignor.) | | | | | |
| 218, 983 | Kellogg, Daniel, Jackson, Mich. Bed-spring | Aug. 26, 1879 | 1035 | 291 | 16 | 390 |
| | Kellogg, Harriet N., *et al.* (*See* Bridges, John, assignor.) | | | | | |
| 217, 539 | Kellogg, James A., Greece, N. Y. Step-ladder | July 15, 1879 | 690 | 197 | 16 | 112 |
| 213, 114 | Kellogg, James S., Cleveland, Ohio. Vapor-burner | Mar. 11, 1879 | 417 | 115 | 15 | 358 |
| 219, 737 | Same.....Vapor-lamp | Sept. 16, 1879 | 779 | 214 | 16 | 529 |
| | Kellogg, Murray M., *et al.* (*See* Bridges, John, assignor.) | | | | | |
| 8, 867 | Kells, Philip H., Adrian, Mich. Brick-machine (Reissue) | Aug. 19, 1879 | 831 | 234 | 16 | 353 |
| | Kelly, Andrew. (*See* James, John T., assignor.) | | | | | |
| 211, 239 | Kelly, Benjamin F., Shelocta, Pa. Permutation-padlock | Jan. 7, 1879 | 175 | 52 | 15 | 23 |
| 211, 332 | Kelly, George, Chicago, Ill. Heating apparatus | Jan. 14, 1879 | 311 | 92 | 15 | 41 |
| 212, 607 | Same.....Steam boiler and pipe covering | Feb. 25, 1879 | 941 | 260 | 15 | 262 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 215, 822 | Kelly, George B., assignor to Mason & Hamlin, Boston, Mass. Pedal attachment for reed-organs | May 27, 1879 | 982 | 287 | 15 | 851 |
| 217, 798 | Kelly, George B., and M. J. Matthews, Boston, Mass. Mechanical musical instrument | July 22, 1879 | 990 | 284 | 16 | 161 |
| 212, 708 | Kelly, John, assignor to self and A. T. Beedle, Troy, Ohio. Corn-planter | Feb. 25, 1879 | 1038 | 288 | 15 | 275 |
| 216, 041 | Same.....same | June 3, 1379 | 39 | 11 | 15 | 890 |
| 218, 633 | Same.....same | Aug. 19, 1879 | 624 | 175 | 16 | 324 |
| 221, 574 | Kelly, John, assignor to Beedle & Kelly, Troy, Ohio. Implement-seat | Nov. 11, 1879 | 513 | 140 | 16 | 892 |
| 214, 044 | Kelly, John M., Rochester, N. Y. Lamp | Apr. 8, 1879 | 364 | 103 | 15 | 527 |
| 215, 823 | Kelly, John T., Pittsburg, Pa. Steam-radiator | May 27, 1879 | 983 | 287 | 15 | 851 |
| 216, 859 | Same.....Steam-generator | June 24, 1879 | 983 | 279 | 15 | 1037 |
| 213, 906 | Kelly, Lemuel M., Litchfield, Ky. Gang-plow | Apr. 1, 1879 | 189 | 55 | 15 | 497 |
| 215, 464 | Kelly, Robert, assignor of one-half interest to A. W. Munro, Cohoes, N. Y. Boss or shell roller for spinning-machines | May 20, 1879 | 577 | 170 | 15 | 789 |
| 217, 879 | Kelly, William E., New Brunswick, N. J. Damper-regulator | July 29, 1879 | 1097 | 315 | 16 | 182 |
| 218, 984 | Same.....Vulcanizing-chamber for use in the manufacture of articles of india-rubber | Aug. 26, 1879 | 1035 | 291, 292 | 16 | 390 |
| 219, 100 | Kelly, William H., New York, N. Y. Hatchway | Sept. 2, 1879 | 48 | 15, 16 | 16 | 418 |
| 217, 384 | Kelsey, Charles H., Newport, N. H. Boiler-tube cleaner | July 8, 1879 | 509 | 148 | 16 | 77 |
| 215, 753 | Kelsey, John W., Caro, Mich. Wind-engine | May 27, 1879 | 897 | 263 | 15 | 840 |
| 212, 012 | Kelso, John, and W. H. Ludewigs, Lowden, Iowa. Shutter-worker | Feb. 4, 1879 | 214 | 60 | 15 | 153 |
| | Kelty, Gibbons L. (*See* Covel, James H., assignor.) | | | | | |
| | Same.....(*See* Pinney, David, assignor.) | | | | | |
| 215, 936 | Kemper, Ernest G., Saint Louis, Mo. Kiln for burning bricks | May 27, 1879 | 1109 | 321 | 15 | 866 |
| | Kemper, William H. (*See* McGregor & Kemper.) | | | | | |
| | Kempf, Ludwig W. (*See* Leimer & Kempf.) | | | | | |
| 211, 913 | Kempshall, Eleazer, New Britain, Conn. Sash-fastener | Feb. 4, 1879 | 105 | 30 | 15 | 139 |
| 212, 950 | Same.....Snap-hook | Mar. 4, 1879 | 208 | 59 | 15 | 323 |
| 215, 524 | Kena, John, Dowagiac, Mich. Album | May 20, 1879 | 644 | 188 | 15 | 798 |
| 212, 386 | Kendall, Charles H., assignor to B. S. Pray, Boston, Mass. Vehicle-axle | Feb. 18, 1879 | 656 | 184 | 15 | 217 |
| 212, 387 | Same.....Carriage-axle | Feb. 18, 1879 | 657 | 184 | 15 | 217 |
| 217, 115 | Kendall, Edward D., Jersey City, N. J. Pyrotechnic cartridge | July 1, 1879 | 213 | 61 | 16 | 30 |
| 217, 116 | Same.....Gun for firing signal-cartridges | July 1, 1879 | 214 | 61 | 16 | 30 |
| 213, 288 | Kendall, Francis B., Monmouth, Ill. Road-leveler | Mar. 18, 1879 | 622 | 175 | 15 | 393 |
| 214, 825 | Same.....Cultivator | Apr. 29, 1879 | 1306 | 365 | 15 | 671 |
| 217, 114 | Kendall, Isaac N., Buckingham, and R. Hall, Gatineau Mills, Quebec, Canada. Metallic liner and slab-guard for saws | July 1, 1879 | 212 | 61 | 16 | 29 |
| 218, 818 | Kendall, John J., assignor to A. W. Tourgee, Greensborough, and R. T. Joyce, Stokes County, N. C. Shingle-machine | Aug. 26, 1879 | 847 | 238 | 16 | 364 |
| 220, 388 | Kendall, Thomas W., Creston, Iowa. Wash-boiler | Oct. 7, 1879 | 200 | 54 | 16 | 662 |
| 215, 465 | Kendel, Adolphus C., Cleveland, Ohio. Machine for making wreaths | May 20, 1879 | 578 | 170 | 15 | 789 |
| 211, 240 | Kenderdine, William J., assignor of one-half interest to J. Yerkes, Philadelphia, Pa. Governor for engines | Jan. 7, 1879 | 176 | 52 | 15 | 23 |
| 215, 367 | Kendrick, Andrew W. and C. T., Brooklyn, N. Y. Fanning-mill | May 13, 1879 | 451 | 136 | 15 | 763 |
| | Kendrick, Charles T. (*See* Kendrick, Andrew W. and C. T.) | | | | | |
| 8, 908 | Kendrick, Isaac, Philadelphia, Pa. Apparatus for promoting combustion in furnaces.....(Reissue) | Sept. 30, 1879 | 1342 | 370 | 16 | 624 |
| 213, 208 | Kenison, Orrin W., Lawrence, Mass. Shedding mechanism for looms | Mar. 11, 1879 | 520 | 144, 145 | 15 | 372 |
| 221, 321 | Same.....Harness-motion for looms | Nov. 4, 1879 | 206 | 56 | 16 | 841 |
| 222, 913 | Kenmuir, John, Saint Joseph, Mo. Twelve-bells striker for clocks | Dec. 23, 1879 | 937 | 269 | 16 | 1169 |
| 220, 977 | Kennard, John M., Waterloo, N. Y. Addressing attachment for printing-machines | Oct. 28, 1879 | 907 | 242 | 16 | 781 |
| | Kennedy, Alexander L. (*See* Hayne, John S., assignor.) | | | | | |
| | Kennedy, Charles E. (*See* Kennedy, George A., assignor.) | | | | | |
| 219, 271 | Kennedy, Charles E., Hatley, Quebec, Canada. Machine for shearing sheet-metal | Sept. 2, 1879 | 246 | 70 | 16 | 443 |
| | Kennedy, Charles W. (*See* Kennedy, James D. and C. W.) | | | | | |
| 217, 880 | Kennedy, Ebenezer F., Oil City, Pa. Music-holder and leaf-turner | July 29, 1879 | 1098 | 315 | 16 | 182 |
| 215, 631 | Kennedy, Frederick D., Bellevue, Iowa. Bed-bottom | May 20, 1879 | 767 | 224 | 15 | 815 |
| 214, 401 | Kennedy, George A., Coaticook, assignor to C. E. Kennedy, Hatley, Quebec, Canada. Device for separating cream from milk | Apr. 15, 1879 | 807 | 226 | 15 | 592 |
| 218, 537 | Kennedy, Herbert F., Saint Louis, Mo. Revolving ore-roaster | Aug. 12, 1879 | 501 | 140 | 16 | 299 |
| | Kennedy, Jacob L., *et al.* (*See* Baker, Jackson R., assignor.) | | | | | |
| 218, 182 | Kennedy, James, jr., Racine, Wis. Wind-engine | Aug. 5, 1879 | 90 | 23, 24 | 16 | 233 |
| 213, 664 | Kennedy, James D. and C. W., Metropolis City, Ill. Combined implement for setting the points and sharpening the shares of plows | Mar. 25, 1879 | 1023 | 290 | 15 | 453 |
| | Kennedy, John. (*See* Newkirk, James W., assignor.) | | | | | |
| 218, 536 | Kennedy, John, Boston, Mass. Drying-house | Aug. 12, 1879 | 500 | 140 | 16 | 299 |
| | Kennedy, John H. (*See* Thomas, George W., assignor.) | | | | | |
| 215, 754 | Kennedy, John M., Waxahachie, Tex. Clay grinder and mixer | May 27, 1879 | 898 | 263, 264 | 15 | 840 |
| 215, 755 | Kennedy, John S., assignor to M. E. Kennedy, Tuscaloosa, Ala. Bale-tie | May 27, 1879 | 900 | 264 | 15 | 841 |
| 213, 577 | Kennedy, Josiah W., Saint Louis, Mo. Hose-coupling | Mar. 25, 1879 | 928 | 263 | 15 | 441 |
| | Kennedy, J. T. (*See* McLane, Edwin P., assignor.) | | | | | |
| 214, 508 | Kennedy, Martin, Chicago, Ill. Car-truck frame | Apr. 22, 1879 | 942 | 266 | 15 | 617 |
| | Kennedy, Mary E. (*See* Kennedy, John S., assignor.) | | | | | |
| 221, 322 | Kennedy, Michael, Chicago, Ill. Fastening for wire-cloth | Nov. 4, 1879 | 207 | 56 | 16 | 841 |
| 215, 937 | Kennedy, Robert M., Pittsburg, Pa. Combined plaster and pad | May 27, 1879 | 1109 | 321 | 15 | 866 |
| | Kennedy, Samuel V. (*See* Tiesing & Kennedy.) | | | | | |
| 215, 227 | Kennedy, Samuel V., assignor to E. Whitney, New Haven, Conn. Magazine fire-arm | May 13, 1879 | 295 | 86 | 15 | 742 |
| 221, 575 | Kennedy, Samuel V., assignor to self and H. A. Church, New Haven, Conn. Cartridge capping and crimping tool | Nov. 11, 1879 | 514 | 140 | 16 | 892 |
| | Kennedy, Thomas J., *et al.* (*See* Norton, George, assignor.) | | | | | |
| 211, 333 | Kennel, Charles O. G., assignor to self, T. C. Holland, and R. Irvin, New York, N. Y. Chimney-cowl | Jan. 14, 1879 | 313 | 92 | 15 | 41 |
| 213, 335 | Kennevan, John J., Boston, Mass. Gas-regulating burner | Mar. 18, 1879 | 672 | 189 | 15 | 400 |
| | Kenney, James C., *et al.* (*See* Gilliland, James F., assignor.) | | | | | |
| 219, 818 | Kenney, Seth H., Morristown, Minn., assignor to J. S. Blymyer, Cincinnati, Ohio. Evaporating-pan | Sept. 23, 1879 | 889 | 244, 245 | 16 | 553 |
| 219, 738 | Kennish, William, Philadelphia, Pa., assignor to C. B. Dickinson, Brooklyn, N. Y. Breast-pump | Sept. 16, 1879 | 780 | 215 | 16 | 529 |
| 216, 860 | Kent, Francis M., Grand Ledge, Mich. Turbine water-wheel | June 24, 1879 | 984 | 279 | 15 | 1037 |
| | Kent, Henry R. (*See* Keiser, Andrew, assignor.) | | | | | |
| 218, 276 | Kenworth, John R., Richmond, Ind. Change box and register | Aug. 5, 1879 | 188 | 51 | 16 | 246 |
| 216, 681 | Kenworthy, Thomas C., and G. W. Clark, assignors to selves, J. F. Baker, and E. Durlach, New York, N. Y. Plate-printing machine | June 17, 1879 | 759 | 216, 217 | 15 | 999 |
| | Kenyon, Edgar A. (*See* Colony, Charles W., assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 8,817 | Kenyon, O. A., McGregor, Iowa, assignor to S. S. and H. W. Hurlbut, Racine, Wis. Brake for wagons.....(Reissue).. | July 22, 1879 | 1053 | 301 | 16 | 169 |
| 217,385 | Kenyon, Oscar A., McGregor, Iowa. Wagon-brake..... | July 8, 1879 | 510 | 148 | 16 | 77 |
| 220,719 | Kepler, Peter Y., Mount Vernon, Iowa. Car-coupling..... | Oct. 21, 1879 | 598 | 159 | 16 | 731 |
| | Kerans, Charles P. (*See* Plumer & Kerans.) | | | | | |
| 217,799 | Kerlicks, George E., Washington, Ill. Clip king-bolt..... | July 22, 1879 | 992 | 284 | 16 | 161 |
| 218,183 | Kerner, Charles, New York, N. Y. Ash-sifter..... | Aug. 5, 1879 | 91 | 24 | 16 | 233 |
| | Kernochan, Frank E. (*See* Baermann, Palmer H., assignor.) | | | | | |
| | Kerper, George B. (*See* Bovey, George C., assignor.) | | | | | |
| 217,540 | Kerr, Alexander, assignor of one-half interest to L. Silverman, Montreal, Canada. Rendering valve-spindles steam-tight..... | July 15, 1879 | 691 | 197 | 16 | 112 |
| | Kerr, Allan C. (*See* McNish, Thomas T., assignor.) | | | | | |
| 221,576 | Kerr, James, Church, Lancaster County, England. Apparatus for guiding and delivering woven fabrics to cloth-finishing machines, &c..... | Nov. 11, 1879 | 515 | 141 | 16 | 892 |
| 215,004 | Kerr, Washington C., Raleigh, N. C. Placer-mining..... | May 6, 1879 | 24 | 8 | 15 | 706 |
| 211,745 | Kershaw, Thomas, Philadelphia, Pa. Doubling and twisting machine..... | Jan. 28, 1879 | 797 | 223, 224 | 15 | 109 |
| 220,905 | Kershaw, Thomas, assignor of two-thirds interest to T. Cunningham, H. B. Lincoln, L. and G. Brown, F. P. Pendleton, and H. E. Cunningham, Philadelphia, Pa. Carding-machine..... | Oct. 21, 1879 | 803 | 215 | 16 | 758 |
| 212,098 | Kersbner, Stephen W., Indianapolis, Ind. Water-elevator bucket..... | Feb. 11, 1879 | 322 | 89 | 15 | 169 |
| 221,465 | Kersten, Henry C., and A. Schaupp, New York, N. Y. Machine for making dress-trimmings..... | Nov. 11, 1879 | 383 | 105 | 16 | 873 |
| 211,334 | Kervin, George H., Boston, Mass. Sash-fastener..... | Jan. 14, 1879 | 314 | 93 | 15 | 41 |
| | Kesler, William H. H. (*See* Clarkson & Kesler).....(Reissue.) | | | | | |
| 218,751 | Kesler, William H. H., Baltimore, Md. Window-frame machine..... | Aug. 19, 1879 | 745 | 212 | 16 | 341 |
| 220,291 | Kesselmeier, Joseph, Galion, Ohio. Watchmaker's lathe..... | Oct. 7, 1879 | 90 | 24 | 16 | 647 |
| | Kesselmire, Charles F. (*See* Smith, Jacob A., assignor.) | | | | | |
| 212,013 | Ketchum, Martin, assignor of one-half interest to W. D. Crandall, Avon, N. Y. Bolt-holder..... | Feb. 4, 1879 | 215 | 61 | 15 | 153 |
| 216,862 | Keyes, Henry C., Philadelphia, Pa., and J. L. Smith, Wilmington, Del. Indicator for trains | June 24, 1879 | 986 | 280 | 15 | 1037 |
| 212,803 | Keyes, Horatio, Terre Haute, Ind. Whiffletree-plate..... | Mar. 4, 1879 | 29 | 9 | 15 | 301 |
| 212,804 | Same.....Neck-yoke strap..... | Mar. 4, 1879 | 29 | 9 | 15 | 301 |
| 211,746 | Keys, Erasmus L., assignor of one-half interest to J. Boyce, Muncie, Ind. Washing-machine..... | Jan. 28, 1879 | 799 | 224 | 15 | 109 |
| | Keys, Hanson H., *et al.* (*See* Zastrow, George W., assignor.) | | | | | |
| 216,861 | Keys, Thomas, Jacksonville, Ill. Coffee-pot..... | June 24, 1879 | 985 | 280 | 15 | 1037 |
| | Keys, William W. (*See* Williames, Napoleon W., assignor.) | | | | | |
| 217,736 | Kibbe, Herbert W., Utica, N Y. Lettering-tablet..... | July 22, 1879 | 930 | 267 | 16 | 153 |
| 222,282 | Kidd, George W., New York, N. Y. Rectifying-machine..... | Dec. 2, 1879 | 188 | 49 | 16 | 1034 |
| | Kidd, James. (*See* Kidd, Joshua and J.) | | | | | |
| 217,800 | Kidd, Joshua and J., Wandsworth, Surrey County, England. Apparatus for enriching illuminating-gas..... | July 22, 1879 | 993 | 284 | 16 | 161 |
| 8,789 | Kidder, George R., Armada, Mich., assignor, by mesne assignments, to self, A. D. Taylor, and B. J. Flumerfelt. Sliding door.....(Reissue).. | July 8, 1879 | 575 | 165 | 16 | 85 |
| 220,292 | Kidder, Moses W., Lincoln, Mass. Method and apparatus for determining the measure of steam..... | Oct. 7, 1879 | 92 | 24 | 16 | 647 |
| 223,146 | Kidder, Richard E., Worcester, Mass. Tool-handle..... | Dec. 30, 1879 | 1209 | 342 | 16 | 1217 |
| 215,938 | Kidney, Edward W., Olmstead Falls, Ohio. Filter..... | May 27, 1879 | 1110 | 322 | 15 | 866 |
| 222,283 | Kieffer, Joseph, Montreal, Quebec, Canada. Die for shaping boot and shoe counters... | Dec. 2, 1879 | 188 | 50 | 16 | 1035 |
| | Kiehl, Peter. (*See* Heymann & Kiehl.) | | | | | |
| 218,885 | Kieley, Timothy, New York, N. Y. Steam-trap..... | Aug. 26, 1879 | 933 | 262 | 16 | 376 |
| 216,863 | Kienzle, Charles, New York, N. Y. Night-chair..... | June 24, 1879 | 987 | 280 | 15 | 1038 |
| | Kiernan, Harriet J., *et al.* (*See* Sands, Charles J., assignor.) | | | | | |
| 215,757 | Kiesele, August, New York, N. Y. Composition for casting ornamental figures..... | May 27, 1879 | 903 | ..... | 15 | 841 |
| 216,864 | Same.....Toy whirl..... | June 24, 1879 | 988 | 280 | 15 | 1038 |
| 219,272 | Kieser, Charles, Baltimore, Md. Meat-cutter..... | Sept. 2, 1879 | 248 | 70 | 16 | 443 |
| 222,710 | Kightlinger, William, Marysville, Ohio. Game apparatus..... | Dec. 16, 1879 | 699 | 201 | 16 | 1125 |
| 215,632 | Kilborn, Alden D., Oakland, Cal. Oil-cup..... | May 20, 1879 | 767 | 225 | 15 | 815 |
| | Kilbourne, James. (*See* Ball, Hiram W., assignor.) | | | | | |
| 212,805 | Kilbourne, Samuel W., Bethel, Me. Ironing-table..... | Mar. 4, 1879 | 30 | 10 | 15 | 301 |
| 213,759 | Kiler, Abdael G., Yellow Springs, Ohio. Mechanical motor..... | Apr. 1, 1879 | 31 | 10 | 15 | 477 |
| 218,277 | Kilham, John T., Harper's Ferry, W. Va. Seal-lock..... | Aug. 5, 1879 | 191 | 51 | 16 | 246 |
| 218,443 | Killam, Henry, New Haven, Conn. Carriage-axle..... | Aug. 12, 1879 | 387 | 107 | 16 | 283 |
| 219,160 | Same.....same..... | Sept. 2, 1879 | 115 | 34 | 16 | 427 |
| 222,502 | Killefer, John, Bloomingdale, Mich. Combined share and point..... | Dec. 9, 1879 | 443 | 127 | 16 | 1079 |
| 217,117 | Killough, William B., Larissa, Tex. Wrench..... | July 1, 1879 | 215 | 62 | 16 | 30 |
| 212,014 | Kilmer, Ebner E., Howe's Cave, N. Y. Feathering paddle-wheel..... | Feb. 4, 1879 | 216 | 61 | 15 | 153 |
| 211,162 | Kilsheimer, Ferdinand, Cincinnati, Ohio. Shoe..... | Jan. 7, 1879 | 92 | 29 | 15 | 13 |
| | Kimball, Charles H., *et al.* (*See* Cuthbert, George, assignor.) | | | | | |
| 217,693 | Kimball, Edwin A., Champaign, Ill. Latch..... | July 22, 1879 | 886 | 252 | 16 | 146 |
| 212,234 | Kimball, George, Lawrence, Kans. Wheel-plow..... | Feb. 11, 1879 | 474 | 131 | 15 | 189 |
| 217,949 | Kimball, Hiram A., Philadelphia, Pa., assignor to Gay, Kimball & Gay, Gaysville, Vt. Button-carving machine..... | July 29, 1879 | 1173 | 336 | 16 | 191 |
| 218,278 | Kimball, Hiram A., Philadelphia, Pa., assignor of one-half interest to A. Miller, Moorestown, N. J. Flexible shaft-coupling..... | Aug. 5, 1879 | 193 | 52 | 16 | 246 |
| 218,985 | Kimball, Hiram A., Philadelphia, Pa., assignor to Gay, Kimball & Gay, Gaysville, Vt. Lathe for manufacturing buttons..... | Aug. 26, 1879 | 1037 | 292 | 16 | 390 |
| 212,852 | Kimmball, John, Boston, Mass. Guide for last-makers..... | Mar. 4, 1879 | 80 | 24 | 15 | 308 |
| | Kimball, John H. (*See* Kimball, Stephen, assignor.) | | | | | |
| 221,681 | Kimball, Stephen, Alstead, assignor of one-half interest to J. H. Kimball, Marlborough, N. H. Horseshoe-pad..... | Nov. 18, 1879 | 630 | 177 | 16 | 917 |
| | Kimball, W. H. (*See* Allen, Horatio N., assignor.) | | | | | |
| | Kimball, William B. (*See* Osgood, Alfred G., assignor.) | | | | | |
| | Kimball, William G., *et al.* (*See* Cuthbert, George, assignor.) | | | | | |
| 220,154 | Kime, Warren W. S., Victor, Iowa. Seed-dropping attachment..... | Sept. 30, 1879 | 1269 | 348 | 16 | 614 |
| 219,161 | Kimmel, David B., Idaho City, Idaho. Balance slide-valve..... | Sept. 2, 1879 | 116 | 34 | 16 | 427 |
| | Kincaid, T., *et al.* (*See* Macy, J. Warren, assignor.) | | | | | |
| 216,418 | Kindermann, August, and C. Reiblein, Cleveland, Ohio. Steam track-clearer..... | June 10, 1879 | 471 | 135 | 15 | 951 |
| 215,633 | Kinerson, James R., Peacham, Vt. Butter-print..... | May 20, 1879 | 768 | 225 | 15 | 815 |
| 213,760 | King, Charles A., Meriden, Conn. Breech-loading fire-arm..... | Apr. 1, 1879 | 32 | 10 | 15 | 477 |
| 223,147 | King, Charles A., assignor to self and H. W. Resener, Cheshire, Ohio. Potato-digger.. | Dec. 30, 1879 | 1209 | 342 | 16 | 1217 |
| | King, Charles W. (*See* Lamb, Amos A., assignor.) | | | | | |
| 214,778 | King, Charles W., Boston, Mass. Lawn or garden sprinkler..... | Apr. 29, 1879 | 1252 | 350 | 15 | 664 |
| 218,539 | King, George, Washington, D. C. Apparatus for tanning hides and skins..... | Aug. 12, 1879 | 502 | 141 | 16 | 299 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 215, 133 | King, George C., Philadelphia, Pa. Counting-register | May 6, 1879 | 181 | 51 | 15 | 724 |
| | King, George E. (*See* Masac, Theophilus, assignor.) | | | | | |
| 213, 665 | King, Henry J., Middletown, N. Y. Rotary water-meter | Mar. 25, 1879 | 1024 | 291 | 15 | 454 |
| 211, 914 | King, Horace W., Alden, N. Y. Barrel-trussing machine | Feb. 4, 1879 | 195 | 30 | 15 | 139 |
| 216, 740 | King, Horace W., Alden, assignor of one-half interest to R. and G. H. Dunbar, Buffalo, N. Y. Ore-separator | June 24, 1879 | 843 | 246 | 15 | 1020 |
| 220, 028 | Same.....Ore-stamping mill | Sept. 30, 1879 | 1116 | 309 | 16 | 593 |
| 221, 172 | King, Horace W., Alden, N. Y. Howeling, crozing, and chamfering machine | Nov. 4, 1879 | 39 | 11 | 16 | 817 |
| 218, 986 | King, Howard H., Lecompte, La. Mechanical striker for blacksmiths | Aug. 26, 1879 | 1038 | 292 293 | 16 | 391 |
| 214, 780 | King, Isaac L., East Freedom, Pa. Fruit-picker | Apr. 29, 1879 | 1254 | 351 | 15 | 664 |
| | King, Jabe O., *et al.* (*See* Wolcott, Henry, assignor.) | | | | | |
| 214, 509 | King, James M. and J. H., Swan Creek, Ill. End-gate for wagons | Apr. 22, 1879 | 943 | 266 | 15 | 617 |
| 218, 184 | King, Jesse, Oswego, N. Y. Wood-working tool | Aug. 5, 1879 | 91 | 24 | 16 | 233 |
| 211, 514 | King, Job, and R. E. Campbell, Buffalo, N. Y. Iron for wagon-boxes | Jan. 21, 1879 | 517 | 145 | 15 | 69 |
| 218, 538 | King, John B., Brooklyn, assignor, by mesne assignments, to S. R. Wells & Co., New York, N. Y. Composition for walls and ornaments | Aug. 12, 1879 | 502 | ..... | 16 | 299 |
| 219, 486 | King, John W., Huntingdon, Tenn. Washing-machine | Sept. 9, 1879 | 494 | 137 | 16 | 483 |
| | King, Jonathan H. (*See* King, James M. and J. H.) | | | | | |
| 212, 709 | King, Lewis, Lapeer, Mich. Wind-engine | Feb. 25, 1879 | 1039 | 288 | 15 | 275 |
| 211, 409 | King, Phineas F., assignor to G. N. and E. J. Beard, Saint Louis, Mo. Time-lock | Jan. 14, 1879 | 391 | 112 | 15 | 51 |
| 216, 795 | King, Phineas F., Saint Louis, Mo. Time-lock | June 24, 1879 | 910 | 259 | 15 | 1029 |
| 216, 796 | Same.....Tag | June 24, 1879 | 911 | 260 | 15 | 1029 |
| | King, Preston W., *et al.* (*See* Dyer, James M., assignor.) | | | | | |
| 220, 244 | King, Sidney B., Buffalo, N. Y. Bird-cage | Oct. 7, 1879 | 40 | 10 | 16 | 640 |
| 221, 577 | King, Sidney D., Pittston, Pa. Dumping-car | Nov. 11, 1879 | 516 | 141 | 16 | 893 |
| 221, 830 | King, Silas L., Bradford, Pa. Torpedo for oil-wells | Nov. 18, 1879 | 809 | 225 | 16 | 940 |
| 215, 005 | King, Theodore E., Rockville, Conn. Tool for turning the ends of spools | May 6, 1879 | 24 | 9 | 15 | 706 |
| 215, 824 | King, Theodore E., and J. C. Hammond, Rockville, Conn. Shoe-clasp | May 27, 1879 | 984 | 287 | 15 | 851 |
| 219, 866 | King, Thomas H., New York, N. Y. Portable commode-pail or water-closet | Sept. 23, 1879 | 930 | 257 | 16 | 559 |
| | King, Thomas M. (*See* Lewis, Maloney & King.) | | | | | |
| 212, 015 | King, W. Haskell, Athol, Mass. Sash-fastener | Feb. 4, 1879 | 217 | 61 | 15 | 154 |
| 219, 273 | King, Whitney E., Plymouth, Ill. Folding egg-package | Sept. 2, 1879 | 249 | 70 | 16 | 443 |
| 214, 779 | King, William C., Union Township, Allegheny County, Pa. Manufacture of smoke-bells | Apr. 29, 1879 | 1252 | 350 | 15 | 664 |
| 220, 155 | King, William C., Union Township, Pittsburg Post-Office, Pa. Drinking-cup attachment | Sept. 30, 1879 | 1270 | 348 | 16 | 614 |
| | King, William H. (*See* Stice & King.) | | | | | |
| 216, 963 | King, William H., Brooklyn, N. Y. Can | July 1, 1879 | 41 | 13, 14 | 16 | 8 |
| 215, 368 | Kingery, David W., Camden, Ind. Harrow | May 13, 1879 | 455 | 136 | 15 | 764 |
| | Kingsbury, Charles M. (*See* Everhart & Kingsbury.) | | | | | |
| 219, 403 | Kingsbury, Charles M., Tama City, Iowa. Pruning and grafting implement | Sept. 9, 1879 | 409 | 114 | 16 | 472 |
| | Kingsbury, David B., *et al.* (*See* Severance, George W., assignor.) | | | | | |
| | Kingsland, Ferguson & Co. (*See* Reeder, William S., assignor.) | | | | | |
| 216, 278 | Kingsley, George W., Buffalo, N. Y. Ruching for decorating rooms | June 10, 1879 | 309 | 91 | 15 | 931 |
| 215, 939 | Kingsnorth, William C., assignor of one-half interest to J. B. Wilson, Canton, Ohio. Horse hay-rake | May 27, 1879 | 1111 | 322 | 15 | 867 |
| 213, 907 | Kinsbourg, Henri, Paris, France, assignor to Eddystone Manufacturing Company (limited), Philadelphia, Pa. Dyeing aniline-black | Apr. 1, 1879 | 189 | ..... | 15 | 497 |
| 216, 865 | Kinsey, George, Cincinnati, Ohio, and H. P. McDonald, Louisville, Ky. Jail, prison, and grating bar | June 24, 1879 | 989 | 281 | 15 | 1038 |
| | Kinsey, William B. (*See* Davis, Augustus B. and T. C., assignors.) | | | | | |
| 216, 521 | Kinsey, William L., Bridgeport, Ohio. Hay elevator and carrier | June 17, 1879 | 593 | 168 | 15 | 977 |
| 215, 228 | Kinsman, William S., Somersworth, assignor of two-thirds interest to J. E. Tebbets, Great Falls, N. H. Ironing-machine | May 13, 1879 | 296 | 87 | 15 | 743 |
| 214, 924 | Kinstler, Jacob, Thomas Hill, Mo. Plow | Apr. 29, 1879 | 1411 | 391 | 15 | 685 |
| | Kintz, Joseph. (*See* Clark & Kintz.) | | | | | |
| 221, 682 | Kintz, William I., Tiffin, Ohio. Boiler and other furnaces | Nov. 18, 1879 | 631 | 177 | 16 | 917 |
| 211, 853 | Kinzer, Jacob, Pittsburg, Pa. Latch | Feb. 4, 1879 | 38 | 12 | 15 | 131 |
| 211, 854 | Same.....Car-axle-box lid | Feb. 4, 1879 | 39 | 13 | 15 | 131 |
| 211, 855 | Same.....Tongs | Feb. 4, 1879 | 41 | 13 | 15 | 131 |
| 222, 503 | Kipling, Richard A., Roselle, N. J. Electric lamp | Dec. 9, 1879 | 443 | 127 | 16 | 1079 |
| 216, 682 | Kirby, Thomas W., Grand Haven, Mich. Treenail for ships, &c | June 17, 1879 | 764 | 218 | 15 | 1009 |
| 217, 541 | Kirby, William A., Auburn, N. Y. Grain-binder | July 15, 1879 | 691 | 197 | 16 | 112 |
| 212, 235 | Kirchhoffer, Jacob, Walla Walla, Wash. Wheel for traction-engines | Feb. 11, 1879 | 475 | 131 | 15 | 189 |
| | Kirk, John E., *et al.* (*See* Gilliland & Wayland, assignors.) | | | | | |
| | Kirk, John W. (*See* Christie, John J., assignor.) | | | | | |
| 215, 756 | Kirk, Joseph L., Pittsburg, Pa. Process and apparatus for distilling petroleum | May 27, 1879 | 902 | 264 | 15 | 841 |
| 222, 056 | Kirkham, George B., New York, N. Y. Chuck | Nov. 25, 1879 | 1075 | 300 | 16 | 986 |
| 213, 429 | Kirkham, Richard N. B., Kansas, Ill. Carriage-step | Mar. 18, 1879 | 760 | 214 | 15 | 412 |
| 220, 537 | Same.....Tongue-support for wagons | Oct. 14, 1879 | 377 | 98 | 16 | 694 |
| 218, 384 | Kirkpatrick, Cornwall and W., Anna, Ill. Coffee-pot | Aug. 12, 1879 | 322 | 88 | 16 | 274 |
| 223, 148 | Kirkpatrick, Jesse A., Cartersville, Ga. Seed-planter | Dec. 30, 1879 | 1211 | 342 | 16 | 1217 |
| | Kirkpatrick, Wallace. (*See* Kirkpatrick, Cornwall and W.) | | | | | |
| 219, 404 | Kirkpatrick, William W., Saint Charles County, Mo. Carpet-stretcher | Sept. 9, 1879 | 409 | 114 | 16 | 472 |
| 219, 740 | Kirkwood, Joseph S., assignor of seven-eighths interest to J. S. and W. S. Kuhn, McKeesport, Pa. Lifting-jack | Sept. 16, 1879 | 781 | 215 | 16 | 530 |
| 217, 386 | Kirlin, Linden, New Boston, Ill. Subsoil-plow and planter | July 8, 1879 | 511 | 148 | 16 | 77 |
| 219, 739 | Kirsten, Albert F., Orange, N. J. Valve for steam-engines | Sept. 16, 1879 | 780 | 215 | 16 | 529 |
| | Kisch, David, *et al.* (*See* Panse, Friedrich, assignor.) | | | | | |
| 215, 134 | Kiss, Emerick, New York, N. Y. Wardrobe-bedstead | May 6, 1879 | 182 | 52 | 15 | 724 |
| | Kiesam, Daniel W. (*See* Sanford, John F., assignor) | (Reissue.) | | | | |
| 220, 389 | Kitchen, William R., Willard, Ky. Horse-detacher | Oct. 7, 1879 | 201 | 54 | 16 | 662 |
| | Kite, James. (*See* Needham & Kite.) | | | | | |
| 212, 710 | Kite, John L., assignor of one-half interest to P. F. Foy, Philadelphia, Pa. Steam-generator | Feb. 25, 1879 | 1040 | 288 | 15 | 275 |
| 222, 410 | Kiteon, Richard, Lowell, Mass. Cotton-opener | Dec. 9, 1879 | 330 | 93 | 16 | 1064 |
| 8, 652 | Kitten, Florens, Ferdinand, Ind. Straw-carrier for thrashing-machines | (Reissue) | Apr. 1, 1879 | 255 | 74 | 15 505 |
| 211, 664 | Same.....same | | Jan. 28, 1879 | 795 | 197 | 15 97 |
| 217, 694 | Kivett, John R., Centre Valley, Ind. Kitchen-cabinet | | July 22, 1879 | 886 | 252 | 16 146 |
| 211, 163 | Klannig, William J., Richmond, Va. Mower | | Jan. 7, 1879 | 93 | 29 | 15 13 |
| 215, 135 | Kleber, John E., Corydon, Ind. Medical compound | | May 6, 1879 | 183 | ..... | 15 724 |
| | Klein, Armstead M., *et al.* (*See* Klein, Henry C., assignor.) | | | | | |
| 218, 886 | Klein, Charles C., Philadelphia, Pa. Carrier-pulley | | Aug. 26, 1879 | 934 | 262 | 16 377 |
| 221, 466 | Same.....Device for fastening wheels to shafts | | Nov. 11, 1879 | 385 | 106 | 16 874 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 222, 504 | Klein, Charles C., Philadelphia, Pa. Friction device | Dec, 9, 1879 | 445 | 128 | 16 | 1079 |
| 221, 323 | Klein, Emil G., and J. X. Giering, Rochester, N. Y. Optometer | Nov. 4, 1879 | 208 | 57 | 16 | 841 |
| 211, 164 | Klein, Henry, Cincinnati, Ohio. Sheet-metal pipe-joint | Jan. 7, 1879 | 94 | 30 | 15 | 13 |
| 213, 666 | Klein, Henry C., Muncie, Ind. Shoe-fastener | Mar. 25, 1879 | 1025 | 291 | 15 | 454 |
| 219, 162 | Klein, Henry C., assignor of one-half interest to A. M. and W. C. Klein, Muncie, Ind. Fastener for shoe and other lacings | Sept. 2, 1879 | 117 | 34 | 16 | 427 |
| 219, 274 | Klein, Henry C., Muncie, Ind. Shoe-lace fastener | Sept. 2, 1879 | 250 | 71 | 16 | 443 |
| | Klein, William C., *et al.* (*See* Klein, Henry C., assignor.) | | | | | |
| 211, 747 | Kleinberger, Oscar, New York, N. Y. Suspenders | Jan. 28, 1879 | 800 | 224 | 15 | 109 |
| 221, 578 | Kleinberger, Oscar, assignor to Elson & Lauferty, New York, N. Y. Suspenders | Nov 11, 1879 | 517 | 141 | 16 | 893 |
| 222, 505 | Kleinschmidt, Charles, Brussels, Belgium, assignor to H. Lips, New York, N. Y. Plasterer's mold | Dec. 9, 1879 | 447 | 128 | 16 | 1079 |
| 212, 559 | Kleinstenber, Charles F., Milwaukee, Wis. Lever-balances | Feb. 25, 1879 | 887 | 245 | 15 | 255 |
| 211, 165 | Klemm, Lawrence, Terre Haute, Ind. Middlings-separator | Jan. 7, 1879 | 95 | 30 | 15 | 13 |
| | Kleppinger, George H. (*See* Kleppinger, Joseph H., assignor.) | | | | | |
| 223, 149 | Kleppinger, Joseph H., Cherryville, assignor of two-thirds interest to G. H. Kleppinger, Lehigh Township, Northampton County, Pa. Vehicle-spring | Dec. 30, 1879 | 1212 | 343 | 16 | 1217 |
| 212, 711 | Klett, John G., Brooklyn, N. Y. Pocket-book | Feb. 25, 1879 | 1041 | 289 | 15 | 276 |
| 212, 951 | Klinefelter, William, Davenport, Iowa. Beer-cooler | Mar. 4, 1879 | 210 | 59 | 15 | 323 |
| 215, 634 | Klineline, John W., Middletown, Pa. Plow | May 20, 1879 | 769 | 225, 226 | 15 | 815 |
| | Klinger, Simon. (*See* Wekerle, August, assignor.) | | | | | |
| | Knable, Frederick L. (*See* Smith, Knable & Smith.) | | | | | |
| 213, 336 | Knapp, A. Haydn, Boston, Mass. Carpet-sweeper | Mar. 18, 1879 | 673 | 189 | 15 | 400 |
| 220, 293 | Knapp, A. Haydn (F. L. Knapp, administratrix), Boston, Mass. Pneumatic-pressure water-elevator | Oct. 7, 1879 | 93 | 25 | 16 | 647 |
| | Knapp, F. Louisa, administratrix. (*See* Knapp, A. Haydn.) | | | | | |
| 221, 072 | Knapp, Friedrich, Braunschweig, Germany. Manufacture of soap | Oct. 28, 1879 | 1019 | ..... | 16 | 795 |
| | Knapp, Gardner. (*See* Barrett & Knapp.) | | | | | |
| 212, 608 | Knapp, George S., Chicago, Ill. Lightning-rod | Feb. 25, 1879 | 942 | 261 | 15 | 263 |
| 219, 275 | Knapp, George W., assignor of two-thirds interest to J. C. Matthai and J. E. Ingram, Baltimore, Md. Attaching bail-ears to sheet-metal vessels | Sept. 2, 1879 | 251 | 71 | 16 | 443 |
| 217, 011 | Knapp, Henry F., New York, N. Y. Marine torpedo | July 1, 1879 | 88 | 27 | 16 | 14 |
| | Knapp, Ira S. (*See* Knapp, Philo A. and I. S.) | | | | | |
| 212, 099 | Knapp, John A., assignor to self, F. W. Kamping, and R. Y. Spring, Newport, Ky. Photographic lens | Feb. 11, 1879 | 322 | 89 | 15 | 169 |
| 221, 579 | Knapp, John O., assignor to self, S. M. Carson, and M. M. Kane, Saint Joseph, Mo. Device for suspending and detaching harness | Nov. 11, 1879 | 518 | 142 | 16 | 893 |
| 215, 370 | Knapp, Lucien, New York, N. Y. Neck-tie | May 13, 1879 | 457 | 137 | 15 | 764 |
| 215, 369 | Knapp, Philo A. and I. S., Danbury, Conn. Cut-off for steam-engines | May 13, 1879 | 456 | 137 | 15 | 764 |
| 222, 284 | Knapp, Thomas K., Tiffin, Ohio. Fruit and vegetable cutter | Dec. 2, 1879 | 190 | 50 | 16 | 1035 |
| 220, 625 | Knecht, Adam, Ilchester, Md. Reciprocating apparatus or motor | Oct. 14, 1879 | 481 | 126 | 16 | 707 |
| 8, 595 | Knecht, Charles L., Pittsburg, Pa. Covered glassware (Reissue) | Feb. 25, 1879 | 1122 | 312 | 15 | 286 |
| 222, 506 | Kneip, Anton, Brooklyn, N. Y. Velocipede | Dec. 9, 1879 | 448 | 128 | 16 | 1079 |
| 221, 580 | Knelles, Charles H., New York, N. Y. Artificial leather | Nov. 11, 1879 | 518 | ..... | 16 | 893 |
| | Knerr, Lewis, jr. (*See* Whealen, Knerr.) | | | | | |
| 215, 758 | Knickerbocker, James A., assignor of one-half interest to J. F. Hubbard, Maple Rapids, Mich. Gate | May 27, 1879 | 904 | 264, 265 | 15 | 841 |
| 213, 209 | Knight, Charles G., Columbus, Ohio. Game apparatus | Mar. 11, 1879 | 521 | 145 | 15 | 372 |
| 216, 866 | Knight, George F., Carroll, Ohio. Sash-fastener | June 24, 1879 | 990 | 281 | 15 | 1038 |
| | Knight, George H. (*See* Lambur, Edward, assignor.) | | | | | |
| 212, 016 | Knight, Henry, assignor to T. Griffiths, Liverpool, England. Manufacture of white pigments | Feb. 4, 1879 | 218 | ..... | 15 | 154 |
| 212, 017 | Same .... Manufacture of white pigments | Feb. 4, 1879 | 219 | ..... | 15 | 154 |
| 212, 018 | Knight, Henry H., Sandusky City, Ohio. Stirrup | Feb. 3, 1879 | 219 | 62 | 15 | 154 |
| 214, 510 | Knight, J. Lee, Topeka, Kans. Device for calculating percentage, &c | Apr. 22, 1879 | 944 | 267 | 15 | 617 |
| 220, 156 | Knight, J. Lee, and S. Smith, Topeka, Kans.; said Knight assignor to said Smith. Adjustable wash-bowl | Sept. 30, 1879 | 1271 | 349 | 16 | 614 |
| 212, 100 | Knight, John A., Auburn, Me. Cheese-box | Feb. 11, 1879 | 323 | 89 | 15 | 169 |
| | Knight, Lewis. (*See* Steffe & Knight.) | | | | | |
| 220, 925 | Knight, Margaret E., Springfield, Mass., assignor to Eastern Paper Bag Company. Paper-bag machine | Oct. 28, 1879 | 840 | 225, 226 | 16 | 772 |
| 213, 430 | Knight, Selman C., Livingston, Ga. Seed-planter | Mar. 18, 1879 | 761 | 214 | 15 | 412 |
| 221, 073 | Knight, Thomas G., Brooklyn, N. Y. Stench and other traps | Oct. 28, 1879 | 1020 | 270 | 16 | 795 |
| 216, 741 | Knights, John, assignor to A. C. Scott, Boston, Mass. Apparatus for attaching horses to vehicles | June 24, 1879 | 844 | 240 | 15 | 1020 |
| | Knipper, Peter. (*See* Conrath & Knipper.) | | | | | |
| 212, 475 | Knipscheer, John, Weimar, Tex. Car-ventilation | Feb. 18, 1879 | 770 | 213 | 15 | 231 |
| 222, 590 | Knisely, Abraham, Chicago, Ill. Metallic lathing | Dec. 16, 1879 | 562 | 160 | 16 | 1105 |
| 217, 695 | Knoblauch, Friedrich, New York, N. Y. Combined pocket-flask and drinking-cup | July 22, 1879 | 887 | 253 | 16 | 147 |
| 215, 940 | Knobloch, August, Washington, D. C. Apparatus for distilling wood | May 27, 1879 | 1112 | 322 | 15 | 867 |
| 216, 192 | Knoch, Charles F., New York, N. Y. Tucker for sewing-machines | June 3, 1879 | 192 | 57 | 15 | 909 |
| 216, 683 | Knopp, Benjamin, Bloomville, Ohio. Clothes-drier | June 17, 1879 | 764 | 218 | 15 | 1060 |
| 216, 419 | Knorr, Jacob F., Orange, N. J. Harness-saddle pad | June 10, 1879 | 472 | 135 | 15 | 951 |
| 218, 540 | Knowles, Charles M., assignor of one-half interest to J. D. Douglass, New London, Conn. Eel-spear | Aug. 12, 1879 | 504 | 141 | 16 | 299 |
| 215, 136 | Knowles, Daniel, assignor of one-half interest to O. E. Whitehurst, Norfolk, Va. Marine vessel for preventing the shifting of cargoes | May 6, 1879 | 184 | 52 | 15 | 724 |
| | Knowles, J. Henry. (*See* Patton & Knowles.) | | | | | |
| 216, 867 | Knowles, J. Henry, Philadelphia, Pa. Stop-motion for doubling and twisting-machines | June 24, 1879 | 991 | 281 | 15 | 1038 |
| 218, 279 | Same.....Stop-motion for twisting and spinning frames | Aug. 5, 1879 | 193 | 52 | 16 | 246 |
| 213, 823 | Knowles, Lucius J., Worcester, Mass. Valve-gear for steam-pumps | Apr. 1, 1879 | 100 | 31 | 15 | 485 |
| 221, 237 | Same.....Mechanism for operating drop-shuttle boxes for looms | Nov. 4, 1879 | 109 | 28, 29 | 16 | 827 |
| 221, 238 | Same..... same | Nov. 4, 1879 | 110 | 29 | 16 | 827 |
| 221, 239 | Same.....same | Nov. 4, 1879 | 111 | 29 | 16 | 827 |
| 221, 240 | Same.....same | Nov. 4, 1879 | 113 | 30 | 16 | 827 |
| 212, 019 | Knowlton, Charles A., Kankakee, Ill. Valve-gear for steam-engines | Feb. 4, 1879 | 220 | 62 | 15 | 154 |
| | Knowlton, Daniel C. (*See* Chaplin, Orril R., assignor.) | | | | | |
| 212, 388 | Knowlton, Ernest J., Ann Arbor, Mich. Hay-tedder | Feb. 18, 1879 | 658 | 184 | 15 | 217 |
| 219, 819 | Knowlton, Frank R., West Acton, Mass. Cigar-box | Sept. 23, 1279 | 890 | 245 | 16 | 553 |
| 211, 098 | Knowlton, William A., Rockford, Ill. Cultivator | Jan. 7, 1879 | 20 | 7 | 15 | 3 |
| 217, 387 | Knox, James, Hebron, Nebr. Churn | July 8, 1879 | 512 | 148 | 16 | 77 |
| 221, 074 | Knudson, Adolphus A., assignor to A. M. Kalbfleisch, Brooklyn, N. Y. Electric conductor | Oct. 28, 1879 | 1021 | 271 | 16 | 795 |
| | Koch Brothers. (*See* Fritsch & Forster, assignors.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Drg. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 211, 856 | Koch, Charles, New York, N. Y. Washing and bath tub | Feb. 4, 1879 | 41 | 13 | 15 | 131 |
| | Koch, Ernst. (*See* Block & Koch.) | | | | | |
| | Koch, George. (*See* Koch, William and G.) | | | | | |
| 219, 584 | Koch, Gustav and T., Chicago, Ill. Liquid-outage gage | Sept. 16, 1879 | 601 | 168 | 16 | 505 |
| 214, 668 | Koch, John C., jr., Berlin, Prussia. Clasp for albums | Apr. 22, 1879 | 1116 | 312 | 15 | 639 |
| 218, 541 | Koch, John E. C., South Kensington, Middlesex County, and F. W. Durham, New Barnet, Herts County, England. Apparatus for regulating the supply of steam to steam-engines | Aug. 12, 1879 | 505 | 141 | 16 | 300 |
| | Koch, Theodore. (*See* Koch, Gustav and T.) | | | | | |
| 213, 908 | Koch, William, New York, N. Y. Paper-perforating machine | Apr. 1, 1879 | 190 | 55 | 15 | 497 |
| 211, 241 | Koch, William and G., Monroe, Pa. Oil-tank | Jan. 7, 1879 | 177 | 52 | 15 | 23 |
| 213, 431 | Kochert, Frederick J., Brooklyn, N. Y. Medical cigarette | Mar. 18, 1879 | 762 | ..... | 15 | 412 |
| 211, 915 | Koefoed, Charles J., Baltimore, Md. Carriage-lantern | Feb. 4, 1879 | 107 | 31 | 15 | 139 |
| 214, 301 | Koehl, Charles, Buffalo, N. Y. Reclining-seat for cars | Apr. 15, 1879 | 684 | 192 | 15 | 577 |
| 217, 118 | Koehl, Charles, assignor to self and I. Kann, New York, N. Y. Toy-hoop propeller | July 1, 1879 | 216 | 62 | 16 | 30 |
| | Koehler, Franklin. (*See* Koehler, Walter W., assignor.) | | | | | |
| 211, 410 | Koehler, Henry F. W., Saint Joseph, Mo. Car-coupling | Jan. 14, 1879 | 392 | 112 | 15 | 51 |
| 223, 049 | Koehler, Walter W., assignor to self and F. Koehler, Brooklyn, N. Y. Surgical splint. | Dec. 30, 1879 | 1095 | 311 | 16 | 1202 |
| | Koellsch, Herman L. (*See* Allred, Walter B., assignor.) | | | | | |
| | Koerner, Hermann T. (*See* Müller, Adolf, assignor.) | | | | | |
| | Koester, Carl F. (*See* Reichhelm & Koester.) | | | | | |
| | Koethen, George. (*See* Faul, William J., assignor.) | | | | | |
| 219, 820 | Köhl, Cacilie, Jersey City Heights, N. J. Diaper-cover | Sept. 23, 1879 | 891 | 245 | 16 | 553 |
| | Kohl, Charles R., *et al.* (*See* Kohl, John W., assignor.) | | | | | |
| 222, 285 | Kohl, John W., assignor to self, C. R. and W. S. Kohl, Philadelphia, Pa. Hatch-closer. | Dec. 2, 1879 | 191 | 50 | 16 | 1035 |
| | Kohl, William S., *et al.* (*See* Kohl, John W., assignor.) | | | | | |
| 212, 609 | Kohlmann, Charles C., New York, N. Y. Pocket-book | Feb. 25, 1879 | 942 | 261 | 15 | 262 |
| | Kohne, Frank C. (*See* Marchand, Henry E., assignor.) | | | | | |
| 222, 507 | Kokosinski, Edward, Paris, France. Manufacture of beer | Dec. 9, 1879 | 449 | ..... | 16 | 1079 |
| 221, 581 | Komp, Albert, New York, N. Y. Manufacture of picture-frames | Nov. 11, 1879 | 519 | 142 | 16 | 893 |
| 219, 276 | Konz, Sebastian, Louisville, Ky. Clamp | Sept. 2, 1879 | 252 | 71 | 16 | 443 |
| 212, 610 | Kook, William, and J. L. Hall, Cincinnati, Ohio; said Kook assignor to said Hall. Time-lock | Feb. 25, 1879 | 943 | 261 | 15 | 262 |
| 214, 045 | Same.....same | Apr. 8, 1879 | 365 | 104 | 15 | 527 |
| 214, 781 | Same.....same | Apr. 29, 1879 | 1254 | 351 | 15 | 664 |
| 218, 385 | Same.....same | Aug. 12, 1879 | 323 | 88 | 16 | 274 |
| 8, 975 | Koons, Cornelius, York Road, Md., assignor to J. T. Wilhide & Brother. Animal-trap. (Reissue) | Nov. 18, 1879 | 900 | 251 | 16 | 954 |
| 211, 748 | Koopman, Alfred T., Terre Haute, Ind. Lighting attachment for alarm-clocks | Jan. 28, 1879 | 800 | 224 | 15 | 109 |
| | Kopman, Frank. (*See* Labree, Thomas, assignor.) | | | | | |
| 215, 371 | Kosiol, Louis, Louisville, Ky. Liquid-measure | May 13, 1879 | 457 | 137 | 15 | 764 |
| 220, 390 | Koska, Rheinhold P. H., East Saginaw, Mich. Egg-tongs | Oct. 7, 1879 | 202 | 54 | 16 | 662 |
| 214, 826 | Koskul, Frederick, Philadelphia, Pa. Manufacture of imitation intarsia tiles | Apr. 29, 1879 | 1307 | ..... | 15 | 671 |
| 217, 388 | Same.....Distemper-paint | July 8, 1879 | 512 | ..... | 16 | 77 |
| 218, 678 | Koskul, Frederick, Grand Rapids, Mich. Cabinet-bed | Aug. 19, 1879 | 670 | 190 | 16 | 330 |
| 221, 582 | Koskul, Frederick, assignor to Berkey & Gay Furniture Company, Grand Rapids, Mich. Dressing-case | Nov. 11, 1879 | 520 | 142 | 16 | 893 |
| 221, 583 | Same.....same | Nov. 11, 1879 | 521 | 143 | 16 | 893 |
| 222, 286 | Koskul, Frederick, Grand Rapids, Mich. Manufacture of tiles and other articles in imitation intarsia | Dec. 2, 1879 | 192 | 50 | 16 | 1035 |
| | Koster, Charles. (*See* Dreyer, Johann H., assignor.) | | | | | |
| 221, 826 | Köttgen, Hermann, Bergisch, Gladbach, Prussia, Germany. Shoe-nail | Dec. 23, 1879 | 834 | 239 | 16 | 1154 |
| 214, 669 | Kraft, Gottlieb, assignor of one-half interest to H. Enderis, Chicago, Ill. Temporary binder for books | Apr. 22, 1879 | 1117 | 313 | 15 | 639 |
| 216, 684 | Kraft, Jacob, Downey, Cal. Stalk-cutter | June 17, 1879 | 765 | 218 | 15 | 1000 |
| 221, 173 | Kraiss, John J., East Williamsfield, Ohio. Spring-vehicle | Nov. 4, 1879 | 40 | 11 | 16 | 818 |
| 215, 941 | Kramer, Carl J., Shiloh, La. Combined sad-iron and fluting-roller | May 27, 1879 | 1113 | 322 | 15 | 867 |
| 215, 635 | Kramer, William J., and L. Miller, Oil City, Pa. Horse hay-rake | May 20, 1879 | 770 | 226 | 15 | 815 |
| 217, 801 | Kramer, William R., Springport, Mich. Farm-gate | July 22, 1879 | 994 | 285 | 16 | 162 |
| 211, 099 | Kratz, George, Evansville, Ind. Steam-boiler attachment | Jan. 7, 1879 | 21 | 7 | 15 | 3 |
| 213, 511 | Same.....Agricultural engine | Mar. 25, 1879 | 851 | 242 | 15 | 432 |
| 223, 150 | Kratz, Henry S., Chicago, Ill. Stove-pipe shelf | Dec. 30, 1879 | 1212 | 343 | 16 | 1217 |
| | Kraus, L., *et al.* (*See* Curtis, Augustine B., assignor.) | | | | | |
| 223, 050 | Krause, Albert, Buffalo, N. Y. Phosphorescent substance | Dec. 30, 1879 | 1096 | ..... | 16 | 1202 |
| 220, 627 | Krause, Jean R., New York, N. Y. Hair-weft | Oct. 14, 1879 | 484 | 127 | 16 | 708 |
| 221, 923 | Krause, Otto H., Jersey City, N. J. Centrifugal apparatus for forcing volatile or corrosive liquids through or from sugar or other substances | Nov. 25, 1879 | 935 | 262 | 16 | 967 |
| 221, 924 | Same.....Centrifugal apparatus for forcing volatile or corrosive liquids through or from sugar or other substances | Nov. 25, 1879 | 937 | 262 | 16 | 967 |
| 222, 508 | Krause, Otto H., Jersey City, assignor to E. E. Quimby, Orange, N. J. Coloring sugar. | Dec. 9, 1879 | 449 | ..... | 16 | 1079 |
| 216, 193 | Krayer, Joseph, Johannisberg-on-the-Rhine, Weisbaden, Germany. Lithographic-printing machine | June 3, 1879 | 193 | 57 | 15 | 909 |
| 215, 636 | Kregel, Louis G., Nebraska City, Nebr. Wind-engine | May 20, 1879 | 771 | 226 | 15 | 815 |
| 221, 925 | Krehbiel, John, Williamsville, N. Y. Vehicle-spring | Nov. 25, 1879 | 938 | 263 | 16 | 967 |
| 222, 509 | Krein, Franz, Saint Louis, Mo. Hame-dressing machine | Dec. 9, 1879 | 450 | 128, 129 | 16 | 1080 |
| 222, 510 | Same.....Cutter-head | Dec. 9, 1879 | 451 | 129 | 16 | 1080 |
| 217, 881 | Kreis, Martin, assignor, by mesne assignment, to W. S. Huffman and J. M. Buckingham, Springfield, Ohio. Tailor's dummy | July 29, 1879 | 1099 | 316 | 16 | 182 |
| 218, 542 | Kremer, Frank W., assignor of two-thirds interest to J. F. Fahs and A. C. Belden, Akron, Ohio. Steam-boiler attachment | Aug. 12, 1879 | 507 | 142 | 16 | 300 |
| 212, 712 | Krenig, Joseph, Newark, N. J. Oven-door | Feb. 25, 1879 | 1042 | 289 | 15 | 276 |
| 213, 289 | Kress, John, Pittsburg, Pa. Glass-furnace | Mar. 18, 1879 | 623 | 175 | 15 | 333 |
| 213, 432 | Kretsinger, William H., Fort Madison, Iowa. Animal-poke | Mar. 18, 1879 | 762 | 215 | 15 | 412 |
| 222, 287 | Kreutzer, Carl, New York, N. Y. Violin | Dec. 2, 1879 | 193 | 51 | 16 | 1035 |
| 217, 802 | Krickl, Moritz, New York, N. Y. Bedstead-fastener | July 22, 1879 | 995 | 285 | 16 | 162 |
| 222, 996 | Kriebel, Hosea K., assignor of one-half interest to F. Light, jr., Gonzales, Tex. Portable steam-engine | Dec. 30, 1879 | 1035 | 296, 297 | 16 | 1194 |
| 212, 953 | Kriedor, Andrew, Annville, Pa. Plant-digger | Mar. 4, 1879 | 212 | 60 | 15 | 324 |
| 211, 300 | Krieg, John K., New York, N. Y. Skiving-machine | Jan. 14, 1879 | 263 | 76 | 15 | 34 |
| 214, 925 | Krieg, John K., and L. R. Mears, New York, N. Y. Fountain-vessel for rubber cement | Apr. 29, 1879 | 1411 | 392 | 15 | 685 |
| 218, 280 | Krieger, Andrew, Pittsburg, Pa. Clamping-piece for insertible saw-teeth | Aug. 5, 1879 | 195 | 52 | 16 | 247 |
| 212, 952 | Krier, Edward H., and C. L. Ervin, Plum Creek, Nebr. Stencil-plate | Mar. 4, 1879 | 211 | 60 | 15 | 324 |
| 218, 543 | Kriete, Henry C., Chicago, Ill. Reverberating furnace | Aug. 12, 1879 | 508 | 142 | 16 | 300 |
| 219, 163 | Kring, Henry C., Monroe, Mich. Fender | Sept. 2, 1879 | 118 | 34 | 16 | 427 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'gs | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 8,540 | Kritch, Jacob, Cleveland, Ohio. Hub for carriage-wheels ....(Reissue).. | Jan. 14, 1879 | 445 | 126 | 15 | 57 |
| 213,667 | Kronenberg, Edward, and C. Diehl, Philadelphia, Pa. Faucet and tap attachment .... | Mar. 25, 1879 | 1026 | 291 | 15 | 454 |
| | Kropp, Martin. (*See* Clark, Alfred D., assignor.) | | | | | |
| 217,803 | Krueger, August C., Chicago, Ill. Machine for treating raw hides .... | July 22, 1879 | 996 | 285 | 16 | 162 |
| 215,637 | Kruger, Charles R., Providence, R. I. Electric belt.... | May 20. 1879 | 773 | 227 | 15 | 815 |
| 211,473 | Kuebrich, Vitus, Dunkirk, N. Y. Heel for boots and shoes .... | Jan. 21, 1879 | 468 | 132 | 15 | 63 |
| 218,444 | Kuehn, Frederick W., Reserve Township, Allegheny County, Pa. Vehicle-wheel.... | Aug. 12, 1879 | 388 | 107 | 16 | 283 |
| 215,372 | Kuehne, August, Jersey City, N. J., assignor to self and F. Ulrich, New York, N. Y. Apparatus for extracting glycerine from fats.... | May 13, 1879 | 458 | 137 | 15 | 764 |
| 212,236 | Kuempel, John C., Clayton, Iowa. Wind-engine.... | Feb. 11, 1879 | 476 | 131, 132 | 15 | 189 |
| 218,752 | Kuhn, Edmund, assignor to self, Terstegge, Gohmann & Co., New Albany, Ind. Grate. | Aug. 19, 1879 | 747 | 213 | 16 | 341 |
| 215,061 | Kuhn, Frank, Metamora, Ill. Billiard-cue tip.... | May 6, 1879 | 86 | 26 | 15 | 713 |
| | Kuhn, James S., *et al.* (*See* Kirkwood, Joseph S., assignor.) | | | | | |
| | Kuhn, William S., *et al.* (*See* Kirkwood, Joseph S., assignor.) | | | | | |
| 214,157 | Kuhule, G. Frederick, Philadelphia, Pa. Stair-rod holder .... | Apr. 8, 1879 | 500 | 142 | 15 | 543 |
| | Kulp, Isaac R. (*See* Wright, William A., assignor.) | | | | | |
| | Kunke, Charles H. (*See* Rakow & Kunke.) | | | | | |
| 222,138 | Kunkel, Charles, Saint Louis, Mo. Lyre.... | Dec. 2, 1879 | 22 | 7 | 16 | 1012 |
| 222,139 | Same.....Zithern .... | Dec. 2, 1879 | 24 | 7 | 16 | 1012 |
| 217,737 | Kunkel, Daniel, sr., Oregon, Mo. Washing-machine .... | July 22, 1879 | 931 | 267 | 16 | 153 |
| 219,405 | Kunstädter, Jacob J., Walbrook, London, England. Steering-propeller.... | Sept. 9, 1879 | 410 | 114, 115 | 16 | 472 |
| 222,914 | Kurczyn, Frederick H., Mexico, Mexico. Union-joint for artesian-well bars.... | Dec. 23, 1879 | 938 | 269 | 16 | 1170 |
| | Kurre, Frederick C. L. (*See* Clark, James R., assignor.) | | | | | |
| | Kursheedt Manufacturing Company. (*See* Brown, John H., assignor.) | | | | | |
| 222,827 | Kurtz, Luther S., assignor of two-thirds interest to H. Shimp and J. R. Wilson, Pequea, Pa. Device for oiling fly-nets, harness, &c.... | Dec. 23, 1879 | 835 | 239 | 16 | 1154 |
| 221,324 | Kutscher, Louis, Bridgeport, Conn. Bottle-stopper.... | Nov. 4, 1879 | 209 | 57 | 16 | 841 |
| 222,057 | Kyle, William N., Edinburg, Ind. Drag-saw machine .... | Nov. 25, 1879 | 1076 | 301 | 16 | 986 |
| 222,058 | Kyser, Louis, assignor to Kyser & Rex, Philadelphia, Pa. Toy money-box.... | Nov. 25, 1879 | 1076 | 301 | 16 | 968 |
| | Kyser & Rex. (*See* Kyser, Louis, assignor.) | | | | | |
| 218,281 | Labree, Thomas, assignor of one-half interest to F. Kopman, Castroville, Cal. Potato cutter and dropper.... | Aug. 5, 1879 | 196 | 53 | 16 | 247 |
| 8,759 | Lacey, John, and G. B. Cornell, Chicago, Ill.; said Lacey assignor to said Cornell. Bush for bungs....(Reissue).. | June 17, 1879 | 805 | 231 | 15 | 1006 |
| 216,868 | Lachenmeyer, August, Narrowsburg, N. Y. Fining-shaving for beer .... | June 24, 1879 | 992 | ..... | 15 | 1038 |
| | Lacing Stud Company. (*See* Dawes, Alfred, assignor) ....(Reissue.) | | | | | |
| 221,831 | Lackie, William J., Canton, Ohio. Fifth-wheel for vehicles.... | Nov. 18, 1879 | 810 | 225 | 16 | 940 |
| | Lacy, Thomas J. (*See* Spitzli & Lacy.) | | | | | |
| 220,978 | Ladd, Aurelius T., San Francisco, Cal. Amalgamator.... | Oct. 28, 1879 | 910 | 243 | 16 | 781 |
| 213,578 | Ladd, George W., assignor of one-half interest to J. A. Brown, Providence, R. I. Watch-case.... | Mar. 25, 1879 | 929 | 264 | 15 | 441 |
| | Ladd, Hermon W. (*See* Spencer, James J., assignor.) | | | | | |
| | Same.... (*See* Weaver, William, assignor).... (Reissue.) | | | | | |
| 216,194 | Ladd, Hermon W., Chelsea, T. B. Raymond, Stoneham, Mass., and J. I. Spencer, New York, N. Y. Folding cot-bed.... | June 3, 1879 | 195 | 58 | 15 | 909 |
| | Ladd, John H., *et al.* (*See* Crossley, Francis W. and W. J., assignors.) | | | | | |
| | La Dow, Charles. (*See* La Dow & Ensminger, assignors.) | | | | | |
| 222,512 | La Dow, Charles, Albany, N. Y. Sulky-harrow .... | Dec. 9, 1879 | 452 | 129 | 16 | 1080 |
| 223,152 | La Dow, John, and C. Ensminger, assignors to said J. La Dow and C. La Dow, Albany, N. Y. Baling-press .... | Dec. 30, 1879 | 1214 | 343, 344 | 16 | 1218 |
| 213,210 | Lafetra, Joseph P., Shrewsbury, N. J. Road-planer.... | Mar. 11, 1879 | 522 | 145 | 15 | 372 |
| 220,157 | Lafferty, Jacob W., and G. B. Brown, assignors of one-half interest to J. C. Baker, Mechanicsburg, Ohio. Drill-tooth.... | Sept. 30, 1879 | 1272 | 349 | 16 | 614 |
| | Laflin Manufacturing Company. (*See* Rodier, Lewis C., assignor.) | | | | | |
| 218,386 | Laflin, Perley, Warren, Mass., assignor to Worcester Corset Company. Corset-steel... | Aug. 12, 1879 | 324 | 89 | 16 | 274 |
| 221,832 | Laflin, William G., Avoca, assignor to O. M. Bruce and M. H. Porter, Walnut, Iowa, Hog-cholera compound.... | Nov. 18, 1879 | 811 | ..... | 16 | 940 |
| 218,282 | La Foy, Isaac, and J. Siglin, Bradford, Pa. Well-packing.... | Aug. 5, 1879 | 197 | 53 | 16 | 247 |
| 214,402 | La France, Truckson S., Elmira, N. Y. Steam-boiler .... | Apr. 15, 1879 | 808 | 227 | 15 | 592 |
| 222,511 | Lahr, John, Secor, Ill. Repairing cultivator-shovels .... | Dec. 9, 1879 | 452 | 129 | 16 | 1080 |
| | Laird, Alexander. (*See* Crawford & Laird.) | | | | | |
| 217,119 | Laird, William A., assignor of one-half interest to D. D. Ingram, Mankato, Minn. Draft-equalizer.... | July 1, 1879 | 217 | 62 | 16 | 30 |
| | Laird, William F., *et al.* *See* Holyoke, Samuel G., assignor.) | | | | | |
| 217,804 | Lake, Orange E., Walkesville, Md. Grate for stoves .... | July 22, 1879 | 997 | 286 | 16 | 162 |
| 211,857 | Lakey, Charles D., New York, N. Y. Device for stretching leather in boots and shoes. | Feb. 4, 1879 | 42 | 13 | 15 | 131 |
| 8,553 | Lakin, James A., Westfield, Mass. Overdraw-check .... ....(Reissue).. | Jan. 28, 1879 | 893 | 251 | 15 | 121 |
| 212,806 | Lakins, George and L. N., Galesburg, Ill. Wagon-jack.... | Mar. 4, 1879 | 30 | 10 | 15 | 301 |
| | Lakins, Lester N. (*See* Lakins, George and L. N.) | | | | | |
| | Lalance & Grosjean Manufacturing Company. (*See* Milligan, John C., assignor.) | | | | | |
| 218,887 | Lamar, James S., Augusta, Ga. Device for converting motion.... | Aug. 26, 1879 | 936 | 262 | 16 | 377 |
| 221,174 | Lamb, Amos A., assignor of one-half interest to C. W. King, Boston, Mass. Pump-handle attachment.... | Nov. 4, 1879 | 41 | 11 | 16 | 818 |
| 218,283 | Lamb, Isaac W., Dansville, Mich. Leaf-turning paper .... | Aug. 5, 1879 | 198 | 53 | 16 | 247 |
| | Lamb, John C., *et al.* (*See* Richardson, Stephen H., assignor.) | | | | | |
| | Lamb, Thomas C. (*See* Swartwout, Thomas, assignor.) | | | | | |
| 216,685 | Lambart, Richard C., Bridgewater, Mass. Lasting-machine.... | June 17, 1879 | 766 | 218, 219 | 15 | 1000 |
| 217,291 | Lambert, Francois, Ansonia, Conn. Watch and clock pinion .... | July 8, 1879 | 410 | 121 | 16 | 65 |
| 213,761 | Lambert, George A., assignor to Washburn & Moen Manufacturing Company, Worcester, Mass. Metallic spool or bobbin .... | Apr. 1, 1879 | 33 | 11 | 15 | 477 |
| | Lambert, Henry S. (*See* Pratt, Alfred W., assignor.) | | | | | |
| 215,062 | Lambert, Louis E., Cleveland, Ohio. Shirt-collar fastener.... | May 6, 1879 | 86 | 26 | 15 | 713 |
| 212,853 | Lambert, Richard C., Bridgewater, Mass. Trimming and burnishing machine for boots and shoes.... | Mar. 4, 1879 | 81 | 24 | 15 | 308 |
| 222,997 | Same.....Nailing-machine .... | Dec. 30, 1879 | 1036 | 297 | 16 | 1194 |
| 221,075 | Lambur, Edward, assignor of one-half interest to G. H. Knight, Cincinnati, Ohio. Smoke-pipe damper and ventilator .... | Oct. 28, 1879 | 1021 | 271 | 16 | 795 |
| 211,411 | La Ment, James H., Troy, Pa. Device for attaching pulleys to shafts.... | Jan. 14, 1879 | 393 | 112 | 15 | 51 |
| 213,337 | Lammert, August, Chicago, Ill. Window-ventilator.... | Mar. 18, 1879 | 674 | 189 | 15 | 400 |
| 214,253 | L'Amoreaux, Manning D., Chicago, Ill. Making letters in gold or silver leaf on glass, &c.... | Apr. 15, 1879 | 626 | ..... | 15 | 569 |
| 215,006 | Lampert, William, and H. Huber, Crestline, Ohio. Bretzel-machine.... | May 6, 1879 | 25 | 9 | 15 | 706 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Landers, N. H. (*See* Farrar, Sanford L., assignor.) | | | | | |
| 221,736 | Landfear, William R., Brooklyn, N. Y. Machine for stamping spools | Nov. 18, 1879 | 692 | 194 | 16 | 925 |
| 219,585 | Landis, Ezra F., Lancaster, Pa. Device for driving machinery | Sept. 16, 1879 | 603 | 168 | 16 | 505 |
| 221,467 | Landis, Henry S. and R. S., Canton, Ohio. Pocket-knife | Nov. 11, 1879 | 387 | 106 | 16 | 874 |
| | Landis, Israel L. (*See* Iske, Anthony, assignor.) | | | | | |
| 216,742 | Landis, Joseph, Doylestown, Pa. Portable fence | June 24, 1879 | 845 | 241 | 15 | 1020 |
| 213,512 | Landis, Nathan Y., Philadelphia, Pa. Adjustable ottoman | Mar. 25, 1879 | 852 | 242 | 15 | 432 |
| | Landis, Reuben S. (*See* Landis, Henry S. and R. S.) | | | | | |
| | Landram, John D. (*See* Haskins & Landram.) | | | | | |
| 220,848 | Landreth, William T., and R. Garnett, Lewiston, Me. Device for watering stock | Oct. 21, 1879 | 743 | 198 | 16 | 749 |
| | Landrum, Nathaniel. (*See* Franklin & Landrum.) | | | | | |
| | Landschneider, Conrad. (*See* Moebs & Landschneider.) | | | | | |
| 214,926 | Lane, Atlee W., Philadelphia, Pa. Window-shade | Apr. 29, 1879 | 1412 | 392 | 15 | 685 |
| | Lane, Calvin M. (*See* Franklin, Mathew C., assignor.) | | | | | |
| 214,404 | Lane, Casper H., W. A. Hutchens, and J. McGrew, Garnettsville, Ky. Washing-machine | Apr. 15, 1879 | 810 | 227 | 15 | 592 |
| 221,325 | Lane, Charles C., New Westminster, British Columbia. Can for hermetically-sealed goods | Nov. 4, 1879 | 210 | 57 | 16 | 841 |
| 221,468 | Same.....Can for hermetically-sealed goods | Nov. 11, 1879 | 387 | 106 | 16 | 874 |
| 222,915 | Lane, Dennis, assignor to Lane Manufacturing Company, Montpelier, Vt. Head-block for saw-mills | Dec. 23, 1879 | 938 | 269 | 16 | 1170 |
| 212,237 | Lane, Eugene F., Saint Paul, Minn. Sand-band for vehicles | Feb. 11, 1879 | 477 | 132 | 15 | 189 |
| 215,759 | Lane, Frederic A., New Haven, Conn. Making wires and arbors of lock-work for striking-clocks | May 27, 1879 | 905 | 265 | 15 | 841 |
| 220,391 | Lane, George W., Rockford, Ill. Sieve | Oct. 7, 1879 | 202 | 55 | 16 | 603 |
| 213,049 | Lane, John, Hyde Park, Ill. Wheel-colter | Mar. 11, 1879 | 335 | 94 | 15 | 348 |
| 222,711 | Same.....same | Dec. 16, 1879 | 700 | 201 | 16 | 1125 |
| 223,151 | Lane, Joseph, Chicago, Ill., assignor of one-half interest to S. S. Fuller, Stratford, Ontario, Canada. Rolling-colter | Dec. 30, 1879 | 1213 | 343 | 16 | 1217 |
| | Lane Manufacturing Company. (*See* Lane, Dennis, assignor.) | | | | | |
| 222,411 | Lane, Seward, Fletcher, Ohio. Wind-engine | Dec. 9, 1879 | 331 | 93 | 16 | 1064 |
| 218,034 | Lane, Thomas W., Amesbury, Mass. Vehicle-spring | July 29, 1879 | 1265 | 361 | 16 | 203 |
| 214,403 | Lane, Wilbur F., Boston, Mass. Hand-screw clamp | Apr. 15, 1879 | 809 | 227 | 15 | 592 |
| 214,302 | Lane, William E., San Francisco, Cal. Stench-trap | Apr. 15, 1879 | 684 | 192 | 15 | 577 |
| 213,211 | Lane, Zenas M., Rockland, Mass. Leather piping | Mar. 11, 1879 | 523 | 145 | 15 | 372 |
| 219,958 | Laney, William S., Baltimore, Ohio. Pump | Sept. 23, 1879 | 1033 | 287 | 16 | 574 |
| 217,622 | Lang, Bernard B., South Burlington, Vt. Potato-digger | July 15, 1879 | 785 | 223 | 16 | 124 |
| | Lang, David. (*See* Ulscht, Linn & Lang.) | | | | | |
| | Lang, Edward M. (*See* Barker, Abel, assignor) .....(Reissue.) | | | | | |
| 212,389 | Lang, Frederick, Baltimore, Md. Board-bank for fattening oysters | Feb. 18, 1879 | 660 | 185 | 15 | 217 |
| 215,137 | Lang, Solomon, Schenectady, N. Y. Machine for striping broom-handles | May 6, 1879 | 185 | 53 | 15 | 724 |
| 217,950 | Langdon, George W., Baraboo, Wis. Instrument for laying gold-leaf | July 29, 1879 | 1173 | 336 | 16 | 191 |
| | Langdon Mitre Box Company. (*See* Rogers & Goodell, assignors.) | | | | | |
| 214,158 | Langdon, Thomas, Castroville, Cal. Venetian blind | Apr. 8, 1879 | 500 | 142 | 15 | 543 |
| 216,522 | Lange, Friedrich W. C., Dayton, Ohio. Wood-bending machine | June 17, 1879 | 594 | 168 | 15 | 977 |
| | Lange, Johann P. (*See* Paris & Lange.) | | | | | |
| 8,620 | Langen, Eugen, Cologne, Prussia. Sugar-liquoring apparatus .....(Reissue) | Mar. 11, 1879 | 598 | 167 | 15 | 382 |
| 8,642 | Same.....Mold for the manufacture of hard sugar .....(Reissue) | Apr. 1, 1879 | 247 | 72 | 15 | 504 |
| 214,670 | Langen, Eugen, Cologne, Germany. Centrifugal machine | Apr. 22, 1879 | 1117 | 313 | 15 | 639 |
| | Langevin, Joseph H. (*See* Langevin, Louis, assignor.) | | | | | |
| | Langevin, Louis. (*See* Taggart, Francis, assignor.) | | | | | |
| 214,159 | Langevin, Louis, Buenos Ayres, South America. Motor for grinding-mills | Apr. 8, 1879 | 501 | 142 | 15 | 543 |
| 223,153 | Langevin, Louis, Buenos Ayres, South America, assignor to J. H. Langevin, New York, N. Y. Grain-cleaning and scouring machine | Dec. 30, 1879 | 1215 | 344 | 16 | 1218 |
| 221,683 | Langill, Charles H., Lawsonville, Tex. Cotton-press | Nov. 18, 1879 | 632 | 177 | 16 | 917 |
| 220,847 | Langmaid, Charles E., Stoneham, Mass., assignor to self and G. A. Langmaid, Mechanic Falls, Me. Skiving-machine | Oct. 21, 1879 | 743 | 198 | 16 | 749 |
| | Langmaid, George A. (*See* Langmaid, Charles E., assignor.) | | | | | |
| 221,326 | Langrall, James, Baltimore, Md. Oyster-feeder | Nov. 4, 1879 | 211 | 57 | 16 | 841 |
| | Langrehr, Henry C. (*See* Bucknam & Langrehr.) | | | | | |
| | Langstroth, Thomas W. (*See* Crane, Job S., assignor.) | | | | | |
| 213,115 | Langworthy, Albert C., Aurora, Ill. Bed-bottom | Mar. 11, 1879 | 418 | 115 | 15 | 358 |
| 216,964 | Lanham, Robert, London, England. Printer's roller | July 1, 1879 | 42 | 14 | 16 | 8 |
| 219,102 | Lanham, Robert, London, England. Printer's inking-roller | Sept. 2, 1879 | 50 | 16 | 16 | 419 |
| 215,638 | Lankford, William J., Mirabile, Mo. Trough-filler | May 20, 1879 | 774 | 227 | 15 | 816 |
| 217,389 | Lanphear, Edwin T., Phenix, R. I. Ring-spinning frame | July 8, 1879 | 513 | 149 | 16 | 77 |
| 220,158 | Same.....Spindle for spinning machinery | Sept. 30, 1879 | 1273 | 349 | 16 | 614 |
| 217,882 | Lanpher, Charles W., Norwich, N. Y. Brake for locomotive-engines | July 29, 1879 | 1101 | 316 | 16 | 182 |
| | Lansburg, Max. (*See* Raecke, Louis, assignor) .....(Reissue.) | | | | | |
| 222,059 | Lansdell, Henry S., Brooklyn, N. Y. Extractor for metal-screw machines | Nov. 25, 1879 | 1077 | 301 | 16 | 986 |
| | Lansdowne, James M. (*See* De Rush, Werter D., assignor.) | | | | | |
| 219,101 | Lant, William E., Lancaster, Pa. Bottle-faucet and cork-screw combined | Sept. 2, 1879 | 49 | 16 | 16 | 419 |
| 218,819 | Lantz, David Z., Gap Post-Office, Pa. Double rack-and-pinion movement | Aug. 26, 1879 | 848 | 239 | 16 | 365 |
| | Lanz, George, *et al.* (*See* Blood, Edwin J., assignor.) | | | | | |
| 218,987 | Lape, Hiram T., Roseville, Ill. Rub-iron for wagons | Aug. 26, 1879 | 1039 | 293 | 16 | 391 |
| 8,682 | Lapham, Amos F., Marion, Ohio. Device for drawing and measuring liquids. (Reissue) | Apr. 22, 1879 | 1198 | 336 | 15 | 649 |
| 214,405 | Lapham, Daniel W., Washington, D. C. Paper-file | Apr. 15, 1879 | 811 | 227, 228 | 15 | 592 |
| 213,290 | Lapham, Joseph H., Cleveland, Ohio. Wash-board | Mar. 15, 1879 | 624 | 176 | 15 | 393 |
| | Larkin, George F. (*See* Chittenden, Harvey M., assignor.) | | | | | |
| 222,355 | La Roche, Charles P. T., Lockport, N. Y. Sad-iron | Dec. 9, 1879 | 274 | 76 | 16 | 1057 |
| | Larose, Octave. (*See* Brenner, Ernest W., assignor.) | | | | | |
| | Larsen, John. (*See* Galloway & Larsen.) | | | | | |
| 211,242 | Lascell, George W., Lynn, Mass. Sewing-machine needle | Jan. 7, 1879 | 178 | 52 | 15 | 24 |
| | Lash, James J. (*See* Hogan, Hugh F., assignor.) | | | | | |
| 218,035 | Lash, John S., Philadelphia, Pa. Roller-skate | July 29, 1879 | 1266 | 362 | 16 | 203 |
| 221,584 | Same.....Butter-working machine | Nov. 11, 1879 | 521 | 143 | 16 | 893 |
| 217,465 | Lashorne, William R., Baltimore, Md. Swing | July 15, 1879 | 611 | 175 | 16 | 102 |
| 217,012 | Laskey, Philip B., and W. Arnold, Marblehead, Mass. Vehicle-axle | July 1, 1879 | 89 | 27 | 16 | 14 |
| 214,406 | Laskey, Stephen, Chicago, Ill. Overalls | Apr. 15, 1879 | 812 | 228 | 15 | 593 |
| | Lassing, Henry. (*See* Rowe, John L., assignor.) | | | | | |
| 216,420 | Lasswell, Samuel H., Weston, Mo. Car-coupling | June 10, 1879 | 473 | 136 | 15 | 952 |
| | Latasa, Feliciano. (*See* Sanchez, Pedro, assignor.) | | | | | |
| | Latham, Cyrus H. (*See* Plympton & Latham.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 8,573 | Latham, Obadiah B., Seneca Falls, N. Y. Packer for oil-wells (Reissue) | Feb. 11, 1879 | 539 | 152 | 15 | 198 |
| 8,574 | Same same (Reissue) | Feb. 11, 1879 | 540 | 152 | 15 | 198 |
| 8,785 | Same same (Reissue) | July 1, 1879 | 302 | 89 | 16 | 42 |
| 221,076 | Lathrep, David, Hazle Dell, Ill. Telegraph-pole | Oct. 28, 1879 | 1022 | 271 | 16 | 795 |
| | Lathrop, Francis C. (*See* Woodward, Orator F., assignor.) | | | | | |
| 8,916 | Lathrop, George C., Dansville, Mich., assignor to W. W. Giles, Chicago, Ill. Machine for sawing wood (Reissue) | Sept. 30, 1879 | 1352 | 372 | 16 | 626 |
| 8,532 | Lathrop, John D., assignor, by mesne assignments, to self and A. P. Sutphen, Somerville, N. J. Milk-pail (Reissue) | Jan. 7, 1879 | 238 | 69 | 15 | 31 |
| 8,533 | Same same (Reissue) | Jan. 7, 1879 | 239 | 70 | 15 | 31 |
| 215,466 | Laufenburg, Michael N., San Francisco, Cal., assignor to Baker & Hamilton. Steam-boiler and furnace | May 20, 1879 | 579 | 170 | 15 | 790 |
| 218,888 | Lauffer, Josiah B., Harrison City, Pa. Spring tug-link | Aug. 26, 1879 | 937 | 263 | 16 | 377 |
| 220,849 | Laughlin, Abner G., Paris, Tex., assignor of one-half interest to S. G. Huddle. Escapement for time-pieces | Oct. 21, 1879 | 744 | 198 | 16 | 750 |
| 215,007 | Laughlin, John J., Brooklyn, N. Y. Picture-nail head | May 6, 1879 | 27 | 9 | 15 | 706 |
| 220,850 | Laur, Charles T., Lynchburg, Va. Plaiting-machine | Oct. 21, 1879 | 745 | 198 | 16 | 750 |
| 8,882 | Laur, Francis, Paris, France, assignor to Harrison Brothers & Co., Philadelphia, Pa. Manufacture of sulphate of alumina (Reissue) | Sept. 2, 1879 | 330 | ..... | 16 | 454 |
| 220,720 | Same Manufacture of aluminous cake | Oct. 21, 1879 | 598 | ..... | 16 | 731 |
| 213,909 | Laurence, Henry, Chicago, Ill. Dental engine | Apr. 1, 1879 | 192 | 56 | 15 | 497 |
| 220,159 | Laurense, Nicholas C. N., Detroit, Mich. Mounting pictures | Sept. 30, 1879 | 1274 | 349 | 16 | 615 |
| | Laut, Herman, *et al.* (*See* Albers, Henry, assignor.) | | | | | |
| 221,077 | Lautenbach, Ferdinand, Baltimore, Md. Tumbler-washer | Oct. 28, 1879 | 1023 | 271 | 16 | 795 |
| 216,869 | Lauth, Bernard, Howard, and B. C. Lauth, Pittsburg, Pa. Skelp bending and scarfing machine | June 24, 1879 | 993 | 281, 282 | 15 | 1038 |
| | Lauth, Bernard C. (*See* Lauth, Bernard and B. C.) | | | | | |
| 220,392 | Lauth, Bernard C., Pittsburg, Pa. Iron fence | Oct. 7, 1879 | 203 | 55 | 16 | 663 |
| 217,696 | Lauth, Jacob, Chicago, Ill. Thill-coupling | July 22, 1879 | 888 | 253 | 16 | 147 |
| 219,277 | Lauth, John N., Howard, Pa. Rolling-mill | Sept. 2, 1879 | 252 | 71, 72 | 16 | 444 |
| 211,631 | Lautz, William, Buffalo, N. Y. Marble-molding machine | Jan. 28, 1879 | 664 | 186, 187 | 15 | 91 |
| 214,571 | Lauve, Emile E., Crane's Forge, La. Apparatus for bleaching cane-juice | Apr. 22, 1879 | 1011 | 285 | 15 | 626 |
| 214,927 | La Valley, Leroy, Delhi, N. Y. Bottle-stopper and fastening | Apr. 29, 1879 | 1412 | 392 | 15 | 685 |
| 218,679 | Lavancey, Francis, Baltimore, Md. Child's carriage | Aug. 19, 1879 | 671 | 190 | 16 | 331 |
| | Laverty, Anna M., *et al.* (*See* Laverty, William A., assignor.) | | | | | |
| 8,934 | Laverty, William A., assignor, by mesne assignments, to Wanamaker & Brown, Philadelphia, Pa. Neck-tie (Reissue) | Oct. 14, 1879 | 562 | 148 | 16 | 718 |
| 216,421 | Laverty, William A., assignor to Wanamaker & Brown, Philadelphia, Pa. Neck-tie | June 10, 1879 | 474 | 136 | 15 | 952 |
| 222,712 | Laverty, William A., assignor to C. C. Hancock; said Hancock assignor of one-half interest to A. M. Laverty, Philadelphia, Pa. Neck-scarf | Dec. 16, 1879 | 701 | 201 | 16 | 1125 |
| 213,579 | Law, Hervey, Chatham, N. J. Shutter-worker | Mar. 25, 1879 | 930 | 264 | 15 | 441 |
| 217,229 | Same Clamp for paper-cutting machines | July 8, 1879 | 351 | 104 | 16 | 57 |
| | Law Telegraph Company. (*See* Shaw, Frank, assignor.) | | | | | |
| 220,538 | Law, Victor M., Cedar Rapids, Iowa. Mustache-guard | Oct. 14, 1879 | 377 | 98 | 16 | 694 |
| 8,937 | Lawrence, Alvin, Lowell, Mass., assignor, by mesne assignment, to H. Snyder, Philadelphia, Pa. Steam-engine governor (Reissue) | Oct. 21, 1879 | 805 | 215, 216 | 16 | 754 |
| | Lawrence Flyer and Spindle Works. (*See* Watts, James, assignor.) | | | | | |
| 211,750 | Lawrence, Lorenzo B., Monticello, Cal. Rotary vacuum-engine | Jan. 28, 1879 | 802 | 225 | 15 | 110 |
| 215,525 | Lawrence, Lorenzo B., Monticello, Cal., and A. G. Strawbridge, Sharon, Pa. Water-lifter | May 20, 1879 | 645 | 128 | 15 | 798 |
| 215,639 | Lawrence, Lorenzo B., Oakland, Cal., and A. G. Strawbridge, Sharon, Pa. Water-lifter. | May 20, 1879 | 775 | 227 | 15 | 816 |
| 216,279 | Lawrence, Lorenzo B., Monticello, Cal. Vehicle-wheel | June 10, 1879 | 310 | 91 | 15 | 931 |
| | Lawrence, William E. (*See* Holmes & Lawrence.) | | | | | |
| 211,749 | Lawrence, William E., New York, N. Y. Pavement and roadway | Jan. 28, 1879 | 801 | 225 | 15 | 109 |
| 223,154 | Same Scraper for door-mats | Dec. 30, 1879 | 1218 | 344 | 16 | 1218 |
| | Lawrence, William S. (*See* Goodyear, Andrew, assignor.) | | | | | |
| 220,979 | Laws, Albert D., Bridgeport, Conn. Implement for capping and uncapping cartridges | Oct. 28, 1879 | 911 | 243 | 16 | 781 |
| | Laws, F. P. (*See* Elliott, James R., assignor.) | | | | | |
| 211,916 | Lawson, James A., Troy, N. Y. Oven-shelf | Feb. 4, 1879 | 108 | 31 | 15 | 139 |
| 215,467 | Same Parlor-oven stove | May 20, 1879 | 581 | 170, 171 | 15 | 790 |
| 214,407 | Lawson, James H., Talladega, Ala. Wagon-brake | Apr. 15, 1879 | 813 | 228 | 15 | 593 |
| 213,212 | Lawson, John J., Dahlonega, assignor of one-half interest to E. Ulrey and A. Besse, Wapello County, Iowa. Bee-hive | Mar. 11, 1879 | 524 | 146 | 15 | 372 |
| | Lawson, William H. (*See* Robert, Isaac N., assignor.) | | | | | |
| 222,713 | Lawson, William K., Cold Spring, N. Y. Hose and pipe coupling | Dec. 16, 1879 | 702 | 202 | 16 | 1125 |
| 222,591 | Lawther, Alfred B., Chicago, Ill. Oleaginous-seed crusher | Dec. 16, 1879 | 563 | 160 | 16 | 1105 |
| | Lawton, Albert L. (*See* Lawton, Arthur W. and A. L.) | | | | | |
| 221,413 | Lawton, Arthur W. and A. L., Rochester, N. Y. Harness | Nov. 11, 1879 | 322 | 88 | 16 | 866 |
| 215,943 | Lawton, Manley C., San Francisco, Cal. Constructing levees | May 27, 1879 | 1115 | 323 | 15 | 867 |
| 211,576 | Lawton, Charles A., and E. W. Arndt, De Pere, Wis. Bran-duster | Jan. 21, 1879 | 585 | 165 | 15 | 78 |
| 218,988 | Lawyer, Livingston S., assignor to M. Harder, Cobleskill, N. Y. Three-horse endless chain | Aug. 26, 1879 | 1039 | 293 | 16 | 391 |
| 211,301 | Lay, John L., Buffalo, N. Y. Torpedo-boat | Jan. 14, 1879 | 264 | 77 | 15 | 34 |
| 211,302 | Same same | Jan. 14, 1879 | 266 | 77, 78, 79 | 15 | 35 |
| 211,303 | Same same | Jan. 14, 1879 | 270 | 80, 81 | 15 | 35 |
| 217,120 | Same Valve for torpedo-boats | July 1, 1879 | 218 | 63 | 16 | 30 |
| 221,175 | Layard, William S., Summit Township, Union County, N. J. Thill-coupling | Nov. 4, 1879 | 42 | 12 | 16 | 818 |
| 214,408 | Layton, Hiram W., assignor of one-half interest to S. M. Miller, Johnstown, Pa. Nut-lock | Apr. 15, 1879 | 814 | 228 | 15 | 593 |
| 219,278 | Lazarevitch, Constantin, Brooklyn, N. Y. Device for preventing the shifting of grain in vessels | Sept. 2, 1879 | 253 | 72 | 16 | 444 |
| 216,619 | Lazelle, Judson A., Perry, Ohio. Thill tug or loop | June 17, 1879 | 699 | 199 | 15 | 991 |
| 216,870 | Lea, Charles G., Alton, Ill. Nut-lock | June 24, 1879 | 994 | 282 | 15 | 1058 |
| 212,476 | Leach, Jesse L., assignor to C. W. Hollinshead, Philadelphia, Pa. Carpet-beater | Feb. 18, 1879 | 771 | 213 | 15 | 231 |
| 213,762 | Leach, John T., and D. B. Hiser, Orrville, assignors of one-half interest to J. K. McBride, Wooster, Ohio. Burial-case | Apr. 1, 1879 | 54 | 11 | 15 | 477 |
| 213,910 | Leach, Samuel F., Boston, Mass. Gas-regulator | Apr. 1, 1879 | 193 | 56 | 15 | 497 |
| 218,284 | Leach, Simeon L., and A. W. Griffin, Corry, Pa. Relishing-machine | Aug. 5, 1879 | 199 | 53, 54 | 16 | 247 |
| | Leach, Thomas. (*See* Murphin, Joseph, assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 8,707 | Leach, Thomas, assignor to Reed & Barton, Taunton, Mass. Ice-pitcher...(Reissue).. | May 13, 1879 | 516 | 153 | 15 | 772 |
| 215,373 | Same.....Stand for ice-pitchers | May 13, 1879 | 459 | 138 | 15 | 764 |
| 220,393 | Same..... same | Oct. 7, 1879 | 204 | 55 | 16 | 663 |
| 211,243 | Leary, Michael, Three Rivers, Mass. Loom-shuttle | Jan. 7, 1879 | 180 | 53 | 15 | 24 |
| | Leas, J. Silas. (*See* Cook & Leas.) | | | | | |
| 219,586 | Leavitt, Thomas, Everett, Mass. Postmarking and canceling machine | Sept. 16, 1879 | 603 | 168, 169 | 16 | 505 |
| 219,587 | Same.....same | Sept. 16, 1879 | 606 | 169 | 16 | 506 |
| 220,626 | Leavitt, William D., assignor of two-thirds interest to D. D. Bramble and M. Carpenter; said Carpenter assignor to H. R. Reum, Cincinnati, Ohio. Machine for manufacturing flour | Oct. 14, 1879 | 483 | 126 | 16 | 707 |
| 218,285 | Leaycraft, Edwin S., Brooklyn, N. Y. Pipe-wrench | Aug. 5, 1879 | 200 | 54 | 16 | 247 |
| | Lebkicker, Samuel. (*See* Woodmanse & Lebkicker.) | | | | | |
| 220,294 | Le Blanc, J. Auguste, New Orleans, La. Rain-water cut-off | Oct. 7, 1879 | 95 | 25 | 16 | 648 |
| 211,100 | Lechner, Francis M., Waynesburg, assignor to Lechner Mining Machine Company, Columbus, Ohio. Mining-machine | Jan. 7, 1879 | 21 | 8 | 15 | 3 |
| | Lechner Mining Machine Company. (*See* Lechner, Francis M., assignor.) | | | | | |
| 218,445 | Lechner, Sanford F., Rose Township, Carroll County, Ohio. Mining-machine | Aug. 12, 1879 | 389 | 107 | 16 | 283 |
| 217,466 | Le Conte, John L., Philadelphia, Pa. Electric induction-coil | July 15, 1879 | 612 | 175 | 16 | 102 |
| 221,327 | Le coq, Gustave, Paris, France. Dynamo-electric machine | Nov. 4, 1879 | 212 | 58 | 16 | 841 |
| 219,280 | Le Count, Charles W., South Norwalk, Conn. Cribbage-board | Sept. 2, 1879 | 256 | 72 | 16 | 444 |
| 221,684 | Lecq, Paul O., Templeuve, France. Weeder or scraper | Nov. 18, 1879 | 633 | 177 | 16 | 917 |
| 215,640 | Leddy, John H., Newark, N. J. Leather-stretching machine | May 20, 1879 | 776 | 227 | 15 | 816 |
| 220,681 | LeDoyt, Biel, deceased, M. M. Taylor, Mansfield, Mass., administratrix. Hardening-tongs | Oct. 14, 1879 | 540 | 143 | 16 | 715 |
| 8,921 | Lee, Archibald K., Galveston, Tex., assignor of one-third interest to J. R. McClintock. Reducing asphaltum to a liquid (Reissue).. | Oct. 7, 1879 | 277 | ..... | 16 | 673 |
| | Lee, Charles B. (*See* Jenkins, Caldwell C., assignor.) | | | | | |
| 213,668 | Lee, Charles B., Galveston, Tex. Ice-making apparatus | Mar. 25, 1879 | 1027 | 291, 292 | 15 | 454 |
| 217,467 | Lee, Charles M., Athol, Mass. Shoe | July 15, 1879 | 614 | 176 | 16 | 102 |
| 214,303 | Lee, Francis B., and C. Carroll, New Orleans, La. Memorandum and account book | Apr. 15, 1879 | 685 | 192 | 15 | 577 |
| | Lee, George W. (*See* Carpenter & Lee.) | | | | | |
| 8,604 | Lee, James, New York, N. Y., assignor to Hale & Kilburn Manufacturing Company, Philadelphia, Pa. Convertible chair (Reissue).. | Mar. 4, 1879 | 299 | 84 | 15 | 335 |
| 221,328 | Lee, James, Ilion, N. Y. Magazine fire-arm | Nov. 4, 1879 | 213 | 58, 59 | 16 | 842 |
| | Lee, James R. (*See* Torsch & Lee.) | | | | | |
| 222,513 | Lee, John, Orrville, assignor of one-half interest to P. G. Albright, Massillon, Ohio. Nut-lock | Dec. 9, 1879 | 454 | 130 | 16 | 1080 |
| 220,245 | Lee, Martha, Rochester, N. Y. Provision-safe | Oct. 7, 1879 | 42 | 10 | 16 | 640 |
| 218,387 | Lee, Richard L., Plattsburg, Miss. Cotton-chopper | Aug. 12, 1879 | 325 | 89 | 16 | 275 |
| 221,967 | Lee, Robert, Cincinnati, Ohio. Sash-fastener | Nov. 25, 1879 | 984 | 276 | 16 | 974 |
| 212,146 | Lee, Thomas, Cincinnati, Ohio. Peanut-roaster | Feb. 11, 1879 | 378 | 103 | 15 | 176 |
| 213,763 | Same.....Cooker and steamer | Apr. 1, 1879 | 35 | 12 | 15 | 477 |
| 213,213 | Lee, Thomas, Portage, Wis. Construction of hulls of vessels | Mar. 11, 1879 | 525 | 146 | 15 | 372 |
| 216,871 | Lee, Thomas L., Paducah, Ky. Chain-propeller | June 24, 1879 | 994 | 282 | 15 | 1038 |
| 221,241 | Lee, Zachary T., Plattsburg, Miss. Corn and cotton-seed planter | Nov. 4, 1879 | 114 | 30 | 16 | 828 |
| 216,195 | Leech, Lucian B., Smithfield, Pa. Device for holding doors open | June 3, 1879 | 196 | 58 | 15 | 910 |
| 222,592 | Leeds, Lewis W., New York, N. Y. Heating-stove | Dec. 16, 1879 | 563 | 160 | 16 | 1105 |
| | Leedy, John W., *et al.* (*See* Suingley, George R., assignor.) | | | | | |
| 222,289 | Lees, Miles, Providence, R. I. Gas-pressure governor | Dec. 2, 1879 | 195 | 51 | 16 | 1035 |
| 8,851 | Lees, Thomas K., Brooklyn, N. Y. Gas-washing machinery (Reissue).. | Aug. 12, 1879 | 595 | 167 | 16 | 312 |
| | Lees, William T. (*See* Lugo & Lees.) | | | | | |
| 215,063 | Lefeburie, Charles L., Chillicothe, Ohio. Fire-place | May 6, 1879 | 87 | 26 | 15 | 714 |
| 215,374 | Lefébure, Léon, New York, N. Y. Shutter | May 13, 1879 | 460 | 138 | 15 | 764 |
| | Lefebvre, Amédée A. (*See* D'Haisue, Gaston, assignor.) | | | | | |
| 218,753 | Lefeldt, Wilhelm C. L., and C. G. O. Leutsch, Schoeningen, Germany. Centrifugal machine for creaming milk | Aug. 19, 1879 | 747 | 213 | 16 | 341 |
| 220,078 | Lefèvre, Henri, Paris, France. Magic lantern | Sept. 30, 1879 | 1185 | 326 | 16 | 602 |
| 213,116 | Lefferts, Ebenezer C., Huntington, N. Y. Apparatus for extinguishing fires | Mar. 11, 1879 | 419 | 116 | 15 | 358 |
| 212,477 | Lefferts, John W., Baltimore, assignor to J. Ahern, Lauraville, Md. Filter | Feb. 18, 1879 | 772 | 213 | 15 | 231 |
| 219,279 | Lefferts, Marshall C., New York, N. Y. Celluloid lining for ice-pitchers, &c | Sept. 2, 1879 | 254 | 72 | 16 | 444 |
| 215,375 | Leffler, Jonathan, Myerstown, Pa. Nut-lock | May 13, 1879 | 461 | 138 | 15 | 765 |
| 218,388 | Legat, Désiré M., Paris, France. Sewing-machine | Aug. 12, 1879 | 326 | 89, 90 | 16 | 275 |
| 213,669 | Léger, Joseph B., Handsborough, Miss. Gage-cock | Mar. 25, 1879 | 1029 | 292 | 15 | 454 |
| 212,854 | Legett, Robertson S., assignor of one-third interest to W. L. Legett, Red Bluff Township, Marlborough County, S. C. Horse-power | Mar. 4, 1879 | 84 | 24 | 15 | 309 |
| | Legett, William L. (*See* Legett, Robertson S., assignor.) | | | | | |
| 215,825 | Le Gore, James W., Woodsborough, Md. Fence | May 27, 1879 | 985 | 287 | 15 | 851 |
| 216,042 | Le Grand, Alfred, and R. Sutcliff, London, England. Driving hollow metal piles for tube-wells, &c | June 3, 1879 | 40 | 11 | 15 | 890 |
| 214,160 | Le Grand, Charles D., Wilkesbarre, Pa. Buckboard-wagon | Apr. 8, 1879 | 503 | 143 | 15 | 544 |
| 215,468 | Legros, Norbert, Windsor, Ontario, Canada, assignor of one-half interest to A. Drouilland. Force-pump | May 20, 1879 | 582 | 171 | 15 | 790 |
| 221,966 | Leguay, Henry, and A. F. Vallotton, Saint Louis, Mo. Sash-holder | Nov. 25, 1879 | 983 | 275 | 16 | 974 |
| | Lehmann, Christian. (*See* Smith & Lehmann.) | | | | | |
| | Lehmann, F. A. (*See* Rhind & Shirley, assignors.) | | | | | |
| 222,290 | Lehmann, Hans, and A. Börendt, Hanover, Prussia, Germany. Appliance for protecting the fetlock-sinews of horses | Dec. 2, 1879 | 195 | 51 | 16 | 1036 |
| 211,244 | Lehmann, William, Milwaukee, Wis. Straightening the faces of millstones | Jan. 7, 1879 | 180 | 53 | 15 | 24 |
| 219,959 | Leibold, John, Delaware, Ohio. Animal-trap | Sept. 23, 1879 | 1034 | 288 | 16 | 574 |
| | Leighton, James M., *et al.* (*See* North, George F., assignor.) | | | | | |
| 218,286 | Leighton, William E., West Pembroke, Me. Steam fog-alarm | Aug. 5, 1879 | 200 | 54 | 16 | 247 |
| 219,741 | Leimer, Charles F., and L. W. Kempf, Deadwood, Dak. Combined knife, compass, &c. | Sept. 16, 1879 | 782 | 215 | 16 | 530 |
| 218,036 | Leinbach, Felix W., C. A. Walle, and E. H. Brunner, Bethlehem, Pa., assignors, by mesne assignments, to said Walle. Paper-bag machine | July 29, 1879 | 1267 | 362, 363 | 16 | 203 |
| 221,833 | Leiner, Moritz, New York, N. Y. Combined slate-cleaner and pencil-holder | Nov. 18, 1879 | 811 | 225 | 16 | 940 |
| 221,834 | Same.....Sleeping-car berth | Nov. 18, 1879 | 812 | 226 | 16 | 940 |
| 222,916 | Leininger, Theobald, Washington Township, Mercer County, Ohio. Apparatus for watering cattle | Dec. 23, 1879 | 940 | 270 | 16 | 1170 |
| 222,917 | Same.....Water-elevator | Dec. 23, 1879 | 941 | 270 | 16 | 1170 |
| 222,918 | Same.....Apparatus for supplying water to railway-tenders | Dec. 23, 1879 | 942 | 270 | 16 | 1170 |
| 212,954 | Leininger, William H., Salem, Oreg. Bed-bottom | Mar. 4, 1879 | 212 | 60 | 15 | 324 |
| 218,287 | Leist, John, Sturgeon Bay, Wis. Saw-gage | Aug. 5, 1879 | 201 | 54 | 16 | 248 |
| | Leiter, Joseph. (*See* Witze, Maximilian C. F., assignor.) | | | | | |
| | Leland, Edwin A. (*See* Cutting & Leland.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Leland, John J. (*See* Tiffany, Albert R., assignor.) | | | | | |
| 220, 025 | Leland, William P., Mendon, Mich. Hay-loading device | Sept. 30, 1879 | 1114 | 308 | 16 | 592 |
| 216, 043 | Leland, Windsor, Chicago, Ill. Refrigerator-building | June 3, 1879 | 41 | 12 | 15 | 890 |
| 222, 288 | Lemaire-Douchy, Alexandre, Paris, France. Car-starter | Dec. 2, 1879 | 193 | 51 | 16 | 1035 |
| 222, 919 | Lemassena, Theodore F., Newark, N. J. Sash-lock | Dec. 23, 1879 | 943 | 270 | 16 | 1170 |
| 220, 207 | Lemont, Granville T., Bath, Me. Clutch | Sept. 30, 1879 | 1334 | 368 | 16 | 623 |
| 220, 394 | Lempfert, Henry, Green Point, N. Y. Preparing paint from coke | Oct. 7, 1879 | 205 | ..... | 16 | 663 |
| 217, 883 | Lenau, Gustavus, and E. Bent, North Attleborough, Mass. Scarf-ring | July 29, 1879 | 1102 | 316 | 16 | 182 |
| 222, 356 | Lendner, August R., Washington, D. C. Separable button | Dec. 9, 1879 | 276 | 77 | 16 | 1057 |
| 214, 827 | Le Noir, William B., Lower Peach Tree, Ala. Washing-machine | Apr. 29, 1879 | 1307 | 365 | 15 | 671 |
| 219, 588 | Le Nord, Louis D., Locksburg, Ark. Horse-power | Sept. 16, 1879 | 607 | 170 | 16 | 506 |
| 215, 760 | Lenox, John F., Chicago, Ill. Grain-conducting apparatus | May 27, 1879 | 905 | 265, 266 | 15 | 841 |
| | Lent, Benson. (*See* MacKellar & Lent.) | | | | | |
| | Lentsch, Carl G. O. (*See* Lefeldt & Lentsch.) | | | | | |
| 217, 885 | Leonard, Charles A., Canton, Ohio. Vehicle-axle lubricator | July 29, 1879 | 1103 | 317 | 16 | 183 |
| 217, 884 | Leonard, Charles H., and W. B. Hick, Wilkesbarre, Pa. Lubricator for journal-boxes | July 29, 1879 | 1103 | 316 | 16 | 182 |
| 220, 764 | Leonard, Edward, Philadelphia, Pa. Automatic fire-extinguisher | Oct. 21, 1879 | 647 | 172 | 16 | 738 |
| | Leonard, Harvey R. (*See* Norman & Leonard.) | | | | | |
| 219, 103 | Leonard, Ira, Lowell, Mass. Oil-can nozzle | Sept. 2, 1879 | 50 | 16 | 16 | 419 |
| 219, 104 | Same.....Caster | Sept. 2, 1879 | 51 | 17 | 16 | 419 |
| 217, 623 | Leonard, John B. H., assignor to J. D. Frary, Bridgeport, Conn. Pocket-cutlery | July 15, 1879 | 786 | 223 | 16 | 124 |
| 215, 376 | Leonard, Orin, Belvidere, Ill. Milk-cooler | May 13, 1879 | 461 | 138 | 15 | 765 |
| 217, 121 | Leonard, Stephen, and J. Maury, New Orleans, La. Incubator | July 1, 1879 | 220 | 63 | 16 | 30 |
| | Leporin, Agnes. (*See* Leporin, Frederick, assignor.) | | | | | |
| 219, 742 | Leporin, Frederick, assignor to A. Leporin, New York, N. Y. Incrustation-preventive | Sept. 16, 1879 | 783 | ..... | 16 | 530 |
| 218, 820 | Lerch, William M., Baltimore, Md. Combined buckle and hook | Aug. 26, 1879 | 849 | 239 | 16 | 365 |
| 221, 737 | Le Roy, Teunis V., Utica, N. Y. Car-axle box | Nov. 18, 1879 | 693 | 194 | 16 | 925 |
| 216, 422 | Leslie, Arthur M., Chicago, Ill. Button-hole attachment for sewing-machines | June 10, 1879 | 474 | 136 | 15 | 952 |
| 220, 395 | Leslie, Bunyan F., Troutsville, Va. Pitman | Oct. 7, 1879 | 205 | 55 | 16 | 663 |
| 216, 280 | Lesperance, Alexander, Littleton, N. H. Rotary engine | June 10, 1879 | 311 | 92 | 15 | 931 |
| 221, 685 | Lespinasse, John B. R., assignor of two-thirds interest to G. C. Thomas and R. H. Peters, Chicago, Ill. Stereotype-plate | Nov. 18, 1879 | 634 | 178 | 16 | 917 |
| 221, 835 | Lester, Daniel M., Norwich, Conn. Envelope-machine | Nov. 18, 1879 | 812 | 226 | 16 | 940 |
| 220, 246 | Letang, Boldamer E., San Leandro, Cal. Rotary engine | Oct. 7, 1879 | 42 | 11 | 16 | 640 |
| 217, 805 | Letchworth, George J., Buffalo, N. Y. Check-hook | July 22, 1879 | 998 | 286 | 16 | 162 |
| 214, 671 | Lettenmyer, George, assignor to self and F. Blake, Little Georgetown, and J. M. McAllister, Tomahawk Springs, W. Va. Harrow | Apr. 22, 1879 | 1119 | 314 | 15 | 639 |
| 213, 214 | Letterman, Charles, Syracuse, N. Y. Grooving sheet-metal pipes | Mar. 11, 1879 | 526 | 146 | 15 | 372 |
| 214, 572 | Leuffgen, George, Berlin, Prussia, Germany. Melting and manufacture of glass | Apr. 22, 1879 | 1012 | 285 | 15 | 626 |
| 211, 917 | Levake, Anson, and S. N. Grubb, San Francisco, Cal. Waste-pipe cut-off and valve | Feb. 4, 1879 | 109 | 31 | 15 | 140 |
| 214, 409 | Levalley, Christopher W., Saint Paul, Minn. Link for drive-chains | Apr. 15, 1879 | 815 | 229 | 15 | 593 |
| 215, 469 | Same.....Chain-link | May 20, 1879 | 583 | 172 | 15 | 790 |
| 222, 191 | Same.....Machine for separating metal from grain | Dec. 2, 1879 | 85 | 21 | 16 | 1020 |
| 222, 793 | Le Valley, Darius A., Brooklyn, N. Y. Milking-stool | Dec. 23, 1879 | 796 | 229 | 16 | 1149 |
| 212, 810 | Levi, Emanuel, Petersburg, Va. Drawers | Mar. 4, 1879 | 34 | 11 | 15 | 301 |
| | Levis, O. D. (*See* Bair, John H., assignor.) | | | | | |
| | Levy, Edmund L. (*See* Schaubel, Henry, assignor.) | | | | | |
| 220, 539 | Levy, Samuel, New York, N. Y. Vinegar apparatus | Oct. 14, 1879 | 378 | 98 | 16 | 694 |
| 222, 635 | Lewis, Burdette A., Plainfield, assignor to F. Brainard, Forestville, Conn. Snap-hook | Dec. 16, 1879 | 619 | 177 | 16 | 1113 |
| 213, 291 | Lewis, Charles B., Doylestown, Ohio. Fifth-wheel | Mar. 18, 1879 | 625 | 176 | 15 | 393 |
| 215, 229 | Lewis, Charles S., Waterbury, Conn. Permutation-lock | May 13, 1879 | 296 | 87 | 15 | 743 |
| 217, 013 | Lewis, Edward, and W. A. Maloney, Oil City, and T. M. King, Verona, Pa. Stand-pipe | July 1, 1879 | 91 | 27 | 16 | 14 |
| | Lewis, Fred B. (*See* Harrison & Lewis.) | | | | | |
| 217, 738 | Lewis, Fredrique R., Troy, N. Y. Water-cooler | July 22, 1879 | 932 | 267 | 16 | 153 |
| 212, 855 | Lewis, George T., Philadelphia, Pa. Collecting waste lead fumes | Mar. 4, 1879 | 85 | 25 | 15 | 309 |
| 8, 943 | Lewis, George T., Philadelphia, Pa., and E. O. Bartlett, Joplin, Mo. Making lead pigments (Reissue) | Oct. 21, 1879 | 814 | 218 | 16 | 760 |
| 221, 836 | Same.....Making pigments of white lead, &c | Nov. 18, 1879 | 815 | 226 | 16 | 941 |
| | Lewis, Henry, *et al.* (*See* Goldmann, Benno, assignor.) | | | | | |
| 220, 295 | Lewis, Homer C., Columbus, Ohio. Hinge | Oct. 7, 1879 | 96 | 25 | 16 | 648 |
| 211, 515 | Lewis, James H., assignor of one-half interest to G. H. Stellwagen, Detroit, Mich. Bench-tool | Jan. 21, 1879 | 518 | 146 | 15 | 69 |
| 211, 516 | Same.....Bench-plane | Jan. 21, 1879 | 519 | 146 | 15 | 69 |
| 211, 751 | Lewis, James H., assignor of one-half interest to A. W. Smith, Detroit, Mich. Animal-trap | Jan. 28, 1879 | 804 | 225 | 15 | 110 |
| 216, 687 | Lewis, James M., assignor of one-half interest to C. H. Slicer, Baltimore, Md. Roller-skate | June 17, 1879 | 769 | 220 | 15 | 1000 |
| 215, 526 | Lewis, James T. A., Boston, Mass. Hand canceling-stamp | May 20, 1879 | 646 | 188 | 15 | 799 |
| | Lewis, John. (*See* Heald, John, assignor.) | | | | | |
| | Lewis, John C. (*See* Lewis, Silvanus M. and J. C.) | | | | | |
| 219, 487 | Lewis, John W., Lester Manor, Va. Ventilating-pad for harness | Sept. 9, 1879 | 495 | 138 | 16 | 483 |
| 213, 050 | Lewis, Pearl C., Catskill, N. Y. Agricultural syringe | Mar. 11, 1879 | 335 | 94 | 15 | 348 |
| 216, 423 | Lewis, Robert R., assignor to R. R. Lewis, W. M. Hayes, and H. L. Bell, Dawson, Ga. Hand seed-planter | June 10, 1879 | 477 | 137 | 15 | 952 |
| 213, 215 | Lewis, Silvanus M. and J. C., Providence, R. I. Stringing beads | Mar. 11, 1879 | 526 | 146 | 15 | 373 |
| 217, 624 | Lewis, Thomas E., Vicksburg, Miss. Heel plate or guard | July 15, 1879 | 787 | 224 | 16 | 124 |
| 212, 020 | Lewis, William B., Brooklyn, N. Y. Croquet-scoring apparatus | Feb. 4, 1879 | 221 | 62 | 15 | 154 |
| | Lewis, William J. (*See* Smith, George M., assignor.) | | | | | |
| 212, 238 | Lewis, William J., Pittsburg, Pa. Metallic fence-post | Feb. 11, 1879 | 478 | 132 | 15 | 189 |
| 212, 239 | Same.....Manufacture of flanged wire | Feb. 11, 1879 | 479 | 132 | 15 | 190 |
| 216, 686 | Lewis, William P., Oroville, Cal. Pneumatic dredging-tube | June 17, 1879 | 768 | 220 | 15 | 1000 |
| 221, 329 | Lewthwaite, George W., Fort Miller, N. Y. Animal-trap | Nov. 4, 1879 | 216 | 59 | 16 | 842 |
| 216, 334 | Leyburn, Edward J., Lexington, Va., assignor of one-half interest to H. O. Stebbins, Washington, D. C., and C. Neilson, New York, N. Y. Device for handling and setting stone | June 10, 1879 | 382 | 108 | 15 | 940 |
| 222, 412 | Leyburn, Edward J., Lexington, assignor of one-half interest to W. A. McCue, Staunton, Va. Truck | Dec. 9, 1879 | 332 | 94 | 16 | 1065 |
| 8, 713 | Leypoldt, Frederick C., Philadelphia, Pa. Button-hole cutter (Reissue) | May 13, 1879 | 523 | 154 | 15 | 773 |
| 8, 714 | Same.....Wire and sheet-metal cutter (Reissue) | May 13, 1879 | 524 | 155 | 15 | 773 |
| 217, 951 | Libbey, Tristram, Canton, Me. Horse-rake | July 29, 1879 | 1174 | 336 | 16 | 192 |
| 213, 824 | Libby, Arthur A., Chicago, Ill. Preserving meats in the raw state | Apr. 1, 1879 | 102 | ..... | 15 | 486 |
| 213, 825 | Same.....Preserving raw meat | Apr. 1, 1879 | 103 | ..... | 15 | 486 |
| 213, 826 | Same.....same | Apr. 1, 1879 | 104 | ..... | 15 | 486 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 219,164 | Libby, Arthur A., Chicago, Ill. Can for the preservation of raw meat | Sept. 2, 1879 | 119 | 35 | 16 | 427 |
| 221,414 | Libby, Cyrus, Chicago, Ill. Elastic clasp for shoes | Nov. 11, 1879 | 324 | 88 | 16 | 866 |
| | Libby, McNeill & Libby. (*See* Garst, David W., assignor.) | | | | | |
| 215,138 | Lichtenstein, Paul, Brooklyn, N. Y. Station-indicator | May 6, 1879 | 186 | 53 | 15 | 725 |
| 214,046 | Liddell, Walter J. F., Charlotte, N. C. Press for cotton, hay, &c | Apr. 8, 1879 | 367 | 104 | 15 | 527 |
| 220,160 | Same.....Compound engine | Sept. 30, 1879 | 1275 | 350 | 16 | 615 |
| | Lidell, Robert, *et al.* (*See* Bates, Samuel A., assignor.) | | | | | |
| 8,727 | Lidren, Christopher, La Fayette, Ind., assignor to E. B. Hamlin, Saint Louis, Mo. Harvester-rake.....(Reissue) | May 27, 1879 | 1180 | 343 | 15 | 876 |
| 215,944 | Liebert, Julius A., New York, N. Y. Manufacture of solidified sauce | May 27, 1879 | 1116 | ..... | 15 | 867 |
| 219,743 | Liebmann, Rudolph, New York, N. Y. Button | Sept. 16, 1879 | 783 | 216 | 16 | 530 |
| 219,165 | Liegel, Georg, Stralsund, Prussia, Germany. Furnace for gas-retorts, &c | Sept. 2, 1879 | 119 | 35, 36 | 16 | 427 |
| 217,625 | Liesenbein, William, New York, N. Y. Rocking-chair | July 15, 1879 | 787 | 224 | 16 | 124 |
| 222,514 | Light, Edward B., assignor to self and E. D. Stoddard, Denver, Colo. Saddle-tree | Dec. 9, 1879 | 455 | 130 | 16 | 1080 |
| | Light, Frederick, jr. (*See* Kriebel, Hosea K., assignor.) | | | | | |
| 215,139 | Lightcap, William H., Hazel Green, Wis. Churn | May 6, 1879 | 187 | 53 | 15 | 725 |
| 213,764 | Lighthall, William A., assignor to G. B. Smith, Chicago, Ill. Stocking-knee protector | Apr. 1, 1879 | 36 | 12 | 15 | 477 |
| 216,196 | Lilley, George H., No. 24 Broughton Road, Stoke Newington, Middlesex County, England. Manufacture of porous blocks for effecting combustion of hydrocarbons | June 3, 1879 | 196 | 58 | 15 | 910 |
| | Lillie, George E. (*See* Walker, William, assignor.) | | | | | |
| 212,101 | Lillie, S. Morris, Philadelphia, Pa. Locking mechanism for safe and vault doors | Feb. 11, 1879 | 324 | 90 | 15 | 169 |
| 216,797 | Same.....Automatic winding mechanism for time-locks | June 24, 1879 | 911 | 260 | 15 | 1029 |
| 216,197 | Limousin, Stanislas, Paris, France. Apparatus for capsuling medicaments | June 3, 1879 | 197 | 58 | 15 | 910 |
| 219,641 | Lincoln, Albert L., Bethel, Vt. Machine for cutting and screw-threading vehicle-axles | Sept. 16, 1879 | 679 | 188 | 16 | 516 |
| 213,117 | Lincoln, Edgar E., San José, Cal. Axle for vehicles | Mar. 11, 1879 | 420 | 116 | 15 | 358 |
| | Lincoln, H. B., *et al.* (*See* Cunningham, Herman E., assignor.) | | | | | |
| | Lincoln, Horatio B., *et al.* (*See* Forrester, Isaac N., assignor.) | | | | | |
| | Same.....(*See* Hartmann, Ernest L., assignor.) | | | | | |
| | Same.....(*See* Howard, James S., assignor.) | | | | | |
| | Same.....(*See* Kershaw, Thomas, assignor.) | | | | | |
| | Same.....(*See* Stamour, John B., assignor.) | | | | | |
| 211,166 | Lincoln, Robert B., jr., Boston, Mass. Feed-water heater | Jan. 7, 1879 | 95 | 30 | 15 | 13 |
| 219,359 | Lincoln, William E., Warren, Mass. Milk-cooler | Sept. 9, 1879 | 355 | 101 | 16 | 465 |
| 222,828 | Same.....Cream-raising can | Dec. 23, 1879 | 836 | 239 | 16 | 1155 |
| 211,412 | Lincoln, William O., assignor to Bridgeport Brass Company, Bridgeport, Conn. Shade-holder for lamps and gas-burners | Jan. 14, 1879 | 394 | 113 | 15 | 51 |
| 218,037 | Same.....Wick-tube | July 29, 1879 | 1270 | 363 | 16 | 204 |
| 221,078 | Same.....Lamp | Oct. 28, 1879 | 1023 | 272 | 16 | 796 |
| | Lindell Railway Company. (*See* Schlegell, Frederick, assignor.) | | | | | |
| 215,945 | Lindesmith, Eli W. J., Leetona, Ohio. Compound for incense-coal | May 27, 1879 | 1117 | 323 | 15 | 867 |
| 213,580 | Lindheim, Minnie, New York, N. Y. Tobacco-bag | Mar. 25, 1879 | 930 | 264 | 15 | 441 |
| 212,240 | Lindon, William, Brooklyn, N. Y. Striking mechanism for clocks | Feb. 11, 1879 | 479 | 133 | 15 | 190 |
| 222,140 | Lindsay, John B., Davenport, Iowa. Water drawing and filtering apparatus for cisterns and other vessels | Dec. 2, 1879 | 25 | 7 | 16 | 1012 |
| | Lindsey, John. (*See* Parker, Henry, assignor.) | | | | | |
| | Linen, John R. (*See* Bidwell & Linen.) | | | | | |
| 215,826 | Linen, John R., Buffalo, N. Y. Scale-beam | May 27, 1879 | 986 | 288 | 15 | 851 |
| 213,513 | Lines, James E., Homer, assignor of one-half interest to L. J. Fitzgerald, Cortland Village, N. Y. Carriage-top | Mar. 25, 1879 | 852 | 242 | 15 | 432 |
| 213,514 | Lines, James E., Homer, assignor to L. J. Fitzgerald, Cortland Village, N. Y. Dash-board | Mar. 25, 1879 | 853 | 243 | 15 | 432 |
| 220,765 | Linford, Charles, Philadelphia, Pa. Underground telegraph | Oct. 21, 1879 | 648 | 173 | 16 | 738 |
| | Lingle, Joseph H., *et al.* (*See* McCoy, J. M., assignor.) | | | | | |
| | Link, George W. (*See* Goolman, William P., assignor.) | | | | | |
| | Linn, Andrew. (*See* Ulscht, Linn & Lang.) | | | | | |
| 212,560 | Linnell, James C., Adrian, assignor of one-half interest to S. S. Linnell, Kalamazoo, Mich. Exhaust-pipe for locomotives | Feb. 25, 1879 | 888 | 245 | 15 | 255 |
| 212,611 | Linnell, James C., Adrian, Mich. Exhaust-pipe | Feb. 25, 1879 | 946 | 261 | 15 | 263 |
| | Linnell, S. S. (*See* Linnell, James C., assignor.) | | | | | |
| | Linscott, Charles F. (*See* Gage & Linscott.) | | | | | |
| | Linton, Edwin, *et al.* (*See* Linton, Harry E., assignor.) | | | | | |
| 218,989 | Linton, Harry E., assignor to self, E. Linton, H. A. Wise, and D. J. Slanker, Canton, Ohio. Pocket-knife | Aug. 26, 1879 | 1040 | 293 | 16 | 391 |
| 216,424 | Liparelli, Cesare, New York, N. Y. Ballast-log for vessels | June 10, 1879 | 478 | 137 | 15 | 952 |
| 222,141 | Lipe, Charles E., Syracuse, N. Y. Broom-winding machine | Dec. 2, 1879 | 26 | 7, 8 | 16 | 1012 |
| | Lippincott, Anna R. (*See* Lippincott, Joseph M., assignor).....(Reissue.) | | | | | |
| 8,897 | Lippincott, Joseph M., assignor, by mesne assignments, to A. R. Lippincott, Baltimore, Md. Manufacture of lubricating-oils.....(Reissue) | Sept. 16, 1879 | 848 | ..... | 16 | 539 |
| 8,898 | Same.....Lubricant.....(Reissue) | Sept. 16, 1879 | 849 | ..... | 16 | 539 |
| 214,254 | Lippy, David, Mansfield, and Z. S. Stocking, Cleveland, Ohio. Clover-hulling concave | Apr. 15, 1879 | 627 | 176 | 15 | 569 |
| | Lips, Hermann. (*See* Kleinschmidt, Charles, assignor.) | | | | | |
| 216,198 | Lipsey, Andrew B., West Hoboken, N. J. Stamping-mill | June 3, 1879 | 198 | 59 | 15 | 910 |
| | Lissberger, Marks. (*See* Simpson, Andrew J., assignor.) | | | | | |
| 219,166 | Litchfield, Lyman, assignor of one-half interest to G. W. Miller, Waterloo, Iowa. Feed-grinding mill | Sept. 2, 1879 | 120 | 36, 37 | 16 | 428 |
| | Little, Frank W. (*See* Little, Thomas C. and F. W.) | | | | | |
| 214,928 | Little, Isaac W., Newbury, Mass. Horse-hitching device | Apr. 29, 1879 | 1414 | 392 | 15 | 685 |
| 212,713 | Little, James, Evansville, Ind. Lath-sawing machine | Feb. 25, 1879 | 1043 | 289 | 15 | 276 |
| 221,176 | Little, James, assignor of one-half interest to S. W. Little, Evansville, Ind. Saw-mill dog | Nov. 4, 1879 | 43 | 12 | 16 | 818 |
| 8,550 | Little, Samuel A., Shelburne, Mass., assignor to Yale Lock Manufacturing Company, Stamford, Conn. Time-lock.....(Reissue) | Jan. 21, 1879 | 637 | 179, 180 | 15 | 85 |
| | Little, Samuel W. (*See* Little, James, assignor.) | | | | | |
| 213,670 | Little, Thomas C., assignor to F. W. Little, Dixon, Ill. Automatic pipe-holder for artesian and other wells | Mar. 25, 1879 | 1030 | 292 | 15 | 454 |
| 220,247 | Little, William D., Brush Creek, Iowa. Churn and washing-machine | Oct. 7, 1879 | 43 | 11 | 16 | 640 |
| 8,913 | Littlefield, Dennis G., Albany, N. Y. Reservoir cooking-stove.....(Reissue) | Sept. 30, 1879 | 1349 | 371 | 16 | 675 |
| 222,357 | Same.....Automatic oven-shelf | Dec. 9, 1879 | 276 | 77 | 16 | 1057 |
| 216,044 | Littlefield, Orlando, Saccarappa, Me. Machine for cutting shoe-shank stiffeners | June 3, 1879 | 43 | 12 | 15 | 890 |
| 214,161 | Littmann, Franz, Halle a. Saale, Germany. Apparatus for preparing water for ice-machines | Apr. 8, 1879 | 503 | 143 | 15 | 544 |
| 216,335 | Littmann, Franz, Halle-on-the-Saale, Prussia, Germany. Fermenting-vat | June 10, 1879 | 382 | 109 | 15 | 940 |
| 217,886 | Lively, Mark C., Atlanta, Tex. Cotton-press | July 29, 1879 | 1104 | 317 | 16 | 183 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Pag. |
|---|---|---|---|---|---|---|
| 218, 288 | Livengood, Peter, Midway, N. C., assignor to S. C. Allen, M. B. Bitting, and W. A. Lutz. Car-coupling | Aug. 5, 1879 | 202 | 55 | 16 | 248 |
| 221, 079 | Livermore, William R., and A. H. Russell, United States Army. Magazine-gun | Oct. 28, 1879 | 1024 | 272 | 16 | 796 |
| | Livesay, Richard M. (*See* Hagerman, Jobe, assignor.) | | | | | |
| 212, 714 | Livesey, Thomas E., assignor to self and J. W. Hudson, Ashley, Ill. Feather-renovator | Feb. 25, 1879 | 1044 | 289 | 15 | 276 |
| 220, 026 | Livingston, Herman T., Oak Hill, N. Y. Railway-tie | Sept. 30, 1879 | 1115 | 308 | 16 | 592 |
| 221, 686 | Livingston, Isaac B., Springfield, Mass. Underground-telegraph line | Nov. 18, 1879 | 636 | 178 | 16 | 918 |
| | Lizars & Co., A. De Siry. (*See* Lizars, Georges, assignor.) | | | | | |
| 213, 911 | Lizars, Georges, assignor to A. De S. Lizars & Co., Paris, France. Wet gas-meter | Apr. 1, 1879 | 194 | 56 | 15 | 497 |
| 218, 446 | Llewellyn, Reese, San Francisco, Cal. Feed-water heater and condenser for steam-boilers | Aug. 12, 1879 | 390 | 107 | 16 | 283 |
| | Lloyd, A. W. (*See* Moos, John P., assignor.) | | | | | |
| 217, 697 | Lloyd, Baziel W., Jackson, La. Monkey-wrench | July 22, 1879 | 889 | 253 | 16 | 147 |
| 218, 754 | Lloyd, John E., Boston, Mass. Window-ventilator | Aug. 19, 1879 | 749 | 213 | 16 | 341 |
| 218, 544 | Lloyd, Montgomery, Trappe, Md. Lubricator | Aug. 12, 1879 | 510 | 143 | 16 | 300 |
| | Lloyd, William. (*See* Eynon & Lloyd.) | | | | | |
| 218, 289 | Lloyd, William, Philadelphia, Pa. Throw-off for clutches | Aug. 5, 1879 | 203 | 55 | 16 | 248 |
| 222, 922 | Lobdell, George G., Wilmington, Del. Casting car-wheels | Dec. 23, 1879 | 945 | 271 | 16 | 1171 |
| 211, 167 | Lobenstein, Leon, New York, N. Y. Clasp for garments | Jan. 7, 1879 | 97 | 30 | 15 | 14 |
| 212, 390 | Same.....Clasp for garters, &c | Feb. 18, 1879 | 661 | 185 | 15 | 217 |
| 220, 851 | Loch, Joseph, New York, N. Y. Rocking-chair | Oct. 21, 1879 | 746 | 199 | 16 | 750 |
| | Locher, Charles A., *et al.* (*See* Benz, Gottlieb, assignor.) | | | | | |
| 217, 542 | Lochner, Casper F., Jefferson, assignor to self, D. R. Murphy, Marshall, and W. P. Torrans, Jefferson, Tex. Spark-arrester | July 15, 1879 | 693 | 198 | 16 | 113 |
| | Lochner, John W. (*See* Jacob & Lochner.) | | | | | |
| 217, 123 | Locke, Benjamin F., South Weymouth, Mass. Manufacture of boot and shoe heels | July 1, 1879 | 221 | 64 | 16 | 31 |
| | Locke, Charles L. (*See* Winne, William I., assignor.) | | | | | |
| 211, 335 | Locke, Charles S., assignor of one-half interest to J. A. Seaman, Chicago, Ill. Governor for steam-engines | Jan. 14, 1879 | 314 | 93 | 15 | 41 |
| | Locke, Edward A. (*See* Buck, D. Azro A., assignor.) | | | | | |
| 218, 990 | Locke, Elijah F., Apponang, R. I. Railway-lock | Aug. 26, 1879 | 1041 | 294 | 16 | 391 |
| 220, 079 | Locke, Harvey, Chester, Vt. Spinning-machine | Sept. 30, 1879 | 1186 | 326, 327 | 16 | 602 |
| 213, 118 | Locke, Nathaniel C., Salem, Mass., assignor to Locke Regulator Company, Hartford, Conn. Vacuum-valve | Mar. 11, 1879 | 421 | 116 | 15 | 359 |
| 219, 744 | Locke, Peter A., Oquawka, Ill. Windmill | Sept. 16, 1879 | 784 | 216 | 16 | 530 |
| | Locke Regulator Company. (*See* Locke, Nathaniel C., assignor.) | | | | | |
| | Locke, Sylvanus D. (*See* Horton, Emmet, assignor).....(Reissue.) | | | | | |
| 8, 862 | Locke, Sylvanus D., Hoosick Falls, N. Y. Machine for cutting and binding grain. (Reissue) | Aug. 19, 1879 | 818 | 231, 232 | 16 | 351 |
| 8, 863 | Same.....Grain-binder.....(Reissue) | Aug. 19, 1879 | 825 | 232, 233 | 16 | 352 |
| 218, 634 | Same.....Harvester-reel | Aug. 19, 1879 | 625 | 176 | 16 | 324 |
| 8, 991 | Same.....Grain-binder.....(Reissue) | Dec. 9, 1879 | 524 | 148 | 16 | 1089 |
| 9, 014 | Same.....same.....(Reissue) | Dec. 30, 1879 | 1293 | 364, 365 | 16 | 1229 |
| 9, 015 | Same.....same.....(Reissue) | Dec. 30, 1879 | 1297 | 365 | 16 | 1230 |
| 213, 338 | Same.....Variable-speed gearing | Mar. 18, 1879 | 675 | 190 | 15 | 400 |
| 214, 929 | Locke, Sylvanus D., and E. Bowhay, Hoosick Falls, N. Y.; said Bowhay assignor to said Locke. Harvester | Apr. 29, 1879 | 1414 | 393 | 15 | 685 |
| 218, 038 | Locke, Sylvanus D., Hoosick Falls, N. Y. Knotting-hook for grain-binders | July 29, 1879 | 1271 | 363 | 16 | 204 |
| 218, 447 | Same.....Grain-binder | Aug. 12, 1879 | 391 | 108 | 16 | 283 |
| 222, 060 | Same.....same | Nov. 25, 1879 | 1079 | 301, 302 | 16 | 987 |
| 222, 061 | Same.....same | Nov. 25, 1879 | 1081 | 303 | 16 | 987 |
| 222, 829 | Same.....same | Dec. 23, 1879 | 836 | 239, 240 | 16 | 1155 |
| | Lockey, Joseph P., *et al.* (*See* Thomas, Charles N., assignor.) | | | | | |
| 214, 255 | Lockhart, Alexander W., Sacramento, Cal. Feeder for thrashing-machines | Apr. 15, 1879 | 628 | 177 | 15 | 569 |
| 217, 122 | Lockhart, David, Richmond, Quebec, Canada. Vessel for setting and cooling milk | July 1, 1879 | 221 | 63 | 16 | 31 |
| | Lockwood Brothers & Holly. (*See* Saybolt, George M., assignor.) | | | | | |
| 212, 856 | Lockwood, Charles S., Newburg, N. Y. Pulmonic fountain | Mar. 4, 1879 | 86 | 25 | 15 | 309 |
| 214, 672 | Lockwood, David C., Newark, N. J. Lathe for turning wooden rings | Apr. 22, 1879 | 1120 | 314 | 15 | 640 |
| 220, 208 | Lockwood, Jeremiah, and G. W. Bacon; said Lockwood assignor to said Bacon, and said Bacon assignor of one-half interest to A. E. Curtis, Sullivan, Ind. Washing-machine | Sept. 30, 1879 | 1335 | 368 | 16 | 623 |
| 214, 410 | Lockwood, John J., Park Ridge, Ill. Cream-raising apparatus | Apr. 15, 1879 | 816 | 229 | 15 | 593 |
| | Lockwood, Joseph A. (*See* Applehy, Charles O., assignor.) | | | | | |
| 8, 777 | Lockwood, Thomas B., Baltimore, Md. Hoe.....(Reissue) | June 24, 1879 | 1073 | 304 | 15 | 1049 |
| 221, 242 | Same.....same | Nov. 4, 1879 | 115 | 30 | 16 | 828 |
| 217, 543 | Lockwood, Thomas D., Elizabeth, N. J. Burglar-alarm | July 15, 1879 | 694 | 198 | 16 | 113 |
| 213, 216 | Lodge, Nicholas, Naperville, assignor to self, J. Jackson, Millington, and G. C. Gillett and R. Griswold, Aurora, Ill. Kiln for burning brick, &c | Mar. 11, 1879 | 527 | 147 | 15 | 373 |
| | Lodge & Son, Jacob. (*See* Lodge, William F., assignor.) | | | | | |
| | Same.....(*See* Ingram, George L., assignor.) | | | | | |
| 212, 315 | Lodge, William F., assignor to J. Lodge & Son, Philadelphia, Pa. Paper scoring and cutting machine | Feb. 18, 1879 | 571 | 159 | 15 | 205 |
| 222, 291 | Loeb, Jacob, Philadelphia, Pa. Show-box | Dec. 2, 1879 | 196 | 52 | 16 | 1036 |
| 215, 470 | Loehner, August, Saint Louis, Mo. Belt-fastener | May 20, 1879 | 585 | 172 | 15 | 790 |
| 214, 930 | Loehr, Thomas H., Alburtis, Pa. Band-iron rocking-chair | Apr. 29, 1879 | 1416 | 393 | 15 | 685 |
| 222, 923 | Loeper, Felix, Schönebeck, Prussia. Button-working machine | Dec. 23, 1879 | 946 | 272 | 16 | 1171 |
| | Loercher, Robert. (*See* Saladee, Cyrus W., assignor).....(Reissue.) | | | | | |
| | Loescher, Theodor F. (*See* Miller & Loescher.) | | | | | |
| 213, 217 | Loeser, Lazarus, assignor of one-half interest to E. Howard, New York, N. Y. Boot and shoe | Mar. 11, 1879 | 528 | 147 | 15 | 373 |
| 217, 806 | Loeser, Moses, Buffalo, N. Y. Baling-press | July 22, 1879 | 999 | 286 | 16 | 162 |
| | Loewig, Friedrich. *See* Löwig, Carl, assignor.) | | | | | |
| | Logan, J. Geary, *et al.* (*See* Starkey, William, assignor.) | | | | | |
| 217, 124 | Logan, Milton, Foxburg, Pa. Car-coupling | July 1, 1879 | 222 | 64 | 16 | 31 |
| 213, 339 | Logan, Thomas M., Mapleton Depot, Pa. Miller's proof-staff and red-staff | Mar. 18, 1879 | 676 | 190 | 15 | 400 |
| 220, 296 | Logan, William T., Camp Elkwater, W. Va. Horse-rake | Oct. 7, 1879 | 97 | 26 | 16 | 648 |
| 214, 256 | Logue, Francis M., Vicksburg, Miss. Bale-band tightener | Apr. 15, 1879 | 629 | 177 | 15 | 569 |
| 217, 125 | Lohnes, Conrad, Springfield, Ohio. Wind-wheel | July 1, 1879 | 223 | 64 | 16 | 31 |
| | Lohr, Philip. (*See* Bassett, Walter E., assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 221, 080 | Lohse, Bernhardt. Niederau, near Meissen, Germany. Roofing | Oct. 28, 1879 | 1029 | 273 | 16 | 796 |
| 222, 924 | Loller, Silas W., Cameron, W. Va. Refrigerator | Dec. 23, 1879 | 948 | 272 | 16 | 1171 |
| 211, 918 | Lombard, Charles E., Cambridge, assignor of one-half interest to C. F. Brown, Reading, Mass. Watch and clock key | Feb. 4, 1879 | 112 | 32 | 15 | 140 |
| 214, 257 | Lombard, Hezekiah, Westfield, Mass. Whip-rounding machine | Apr. 15, 1879 | 634 | 178 | 15 | 570 |
| 213, 433 | Long, Francis W., Philadelphia, Pa. Bird-cage support | Mar. 18, 1879 | 763 | 215 | 15 | 412 |
| 215, 827 | Long, James B., Rochester, N. Y. Cooking-stove | May 27, 1879 | 987 | 288 | 15 | 851 |
| | Long, John A. (*See* Cass & Long.) | | | | | |
| 222, 977 | Long, Oliver, Philadelphia, Pa. Filter | Dec. 23, 1879 | 1008 | 289 | 16 | 1180 |
| 8, 959 | Long, Richard, Iowa City, Iowa. Bridge (Reissue) | Nov. 4, 1879 | 287 | 77 | 16 | 852 |
| | Longacre, Orleans. (*See* Quinn & Longacre.) | | | | | |
| 211, 577 | Longaker, Thomas F., West Philadelphia, Pa. Measuring-attachment for faucets | Jan. 21, 1879 | 586 | 165 | 15 | 78 |
| 217, 014 | Longfellow, Stephen, Saint Louis, Mo., assignor of part interest to F. Amory, Beverly, and S. Snow, Cambridge, Mass. Mariner's compass | July 1, 1879 | 93 | 28 | 16 | 15 |
| 217, 015 | Same same | July 1, 1879 | 94 | 28 | 16 | 15 |
| 221, 330 | Longley, William L., Cumberland Mills, Westbrook, Me., assignor to S. D. Warren & Co., Boston, Mass. Revolving pulp-screen | Nov. 4, 1879 | 217 | 59 | 16 | 842 |
| 211, 245 | Longsworth, Mirom V., Delphos, Ohio. Pad-loop hook | Jan. 7, 1879 | 181 | 53 | 15 | 24 |
| 222, 515 | Longyear, Jacob, and D. M. Clark, Grass Lake, Mich. Wind-wheel | Dec. 9, 1879 | 455 | 130 | 16 | 1080 |
| 215, 008 | Loomer, Seth, West Falls, N. Y. Whiffletree | May 6, 1879 | 29 | 10 | 15 | 706 |
| 213, 051 | Loomis, George D., Tiffin, Ohio. Plow | Mar. 11, 1879 | 336 | 95 | 15 | 348 |
| 222, 338 | Loomis, George R. and M. M., Jonesville, Mich. Feed-steamer | Dec 9, 1879 | 277 | 77 | 16 | 1057 |
| 218, 991 | Loomis, Kellogg H., New York, N. Y. Nut-lock | Aug. 26, 1879 | 1042 | 294 | 16 | 391 |
| | Loomis, Myron M. (*See* Loomis, George R. and M. M.) | | | | | |
| | Loomis, William H. (*See* Tressler & Loomis.) | | | | | |
| 216, 281 | Looney, John J., Utica, Pa. Voltaic pessary | June 10, 1879 | 312 | 93 | 15 | 931 |
| 222, 920 | Loper, Jonathan M., assignor of one-half interest to D. F. Calmus, Pittsburg, Pa. Tube-thread protector | Dec. 23, 1879 | 943 | 271 | 16 | 1171 |
| 212, 242 | Loper, Richard F., jr., Stonington, Conn. Bar-holder for doors and windows | Feb. 11, 1879 | 481 | 133 | 15 | 190 |
| 221, 331 | Lord, Charles E., assignor to H. W. Williams, Boston, Mass. Clock-escapement | Nov. 4, 1879 | 218 | 59 | 16 | 842 |
| | Lord, Eliot, *et al.* (*See* Baker, Jackson R., assignor.) | | | | | |
| 215, 377 | Lord, Enoch, assignor to M. Lord, Portland, Me. Reclining-chair | May 13, 1879 | 462 | 139 | 15 | 765 |
| | Lord, George P. (*See* Barr, Orlando, assignor.) | | | | | |
| | Lord, John. (*See* West & Lord.) | | | | | |
| | Lord, Melinda. (*See* Lord, Enoch, assignor.) | | | | | |
| 214, 047 | Lord, Tyler C., Joliet, Ill. Horse hay-rake | Apr. 8, 1879 | 368 | 105 | 15 | 528 |
| 218, 290 | Lord, Tyler C., Joilet, Ill. Barb-fence | Aug. 5, 1879 | 204 | 55 | 16 | 248 |
| | Loree, Darius W. (*See* Lowe, Jay J., assignor.) | | | | | |
| 217, 468 | Lorenz, John C. and J., Saint Petersburg, Pa. Globe-valve | July 15, 1879 | 615 | 176 | 16 | 102 |
| | Lorenz, Joseph. (*See* Lorenz, John C. and J.) | | | | | |
| 221, 081 | Lorenzo, Ratti, Loyalton, Cal. Windmill | Oct. 28, 1879 | 1030 | 273 | 16 | 796 |
| 214, 411 | Lorey, William, Philadelphia, Pa. Lawn-mower | Apr. 15, 1879 | 817 | 229 | 15 | 593 |
| 215, 378 | Same Mechanical movement | May 13, 1879 | 463 | 139 | 15 | 765 |
| | Lorillard & Co., P. (*See* Gordon, Leonard J., assignor.) | | | | | |
| 220, 481 | Loring, Abbott, Boston, Mass. Tree-protector | Oct. 14, 1879 | 312 | 83 | 16 | 686 |
| | Loring & Blake Organ Company. (*See* Boynton, Newell M., assignor.) | | | | | |
| | Loring, Daniel A. (*See* Jewell, Katharine L., assignor.) | | | | | |
| | Loring, Edward R. (*See* Mason & Loring.) | | | | | |
| | Loring, Gayton P. (*See* Estes, George, assignor.) | | | | | |
| | Loring, Henry W., *et al.* (*See* Morton, Ephraim S., assignor.) | | | | | |
| 220, 540 | Loriot, Henry, New York, N. Y., assignor to C. Ostrom, Newark, N. J. Alarm-clock | Oct. 14, 1879 | 379 | 99 | 16 | 694 |
| 212, 612 | Lorton, Alfred H., New York, N. Y. Blackboard-holder | Feb. 25, 1879 | 946 | 262 | 15 | 263 |
| 212, 613 | Same Blackboard | Feb. 25, 1879 | 947 | 262 | 15 | 263 |
| 220, 027 | Losee, Jordon, and D. Moriarty, Brooklyn, N. Y. Ash-sifter | Sept. 30, 1879 | 1116 | 308 | 16 | 593 |
| 213, 827 | Lothrop, Horace A., Sharron, Mass. Heel-shave | Apr. 1, 1879 | 104 | 31 | 15 | 486 |
| 219, 167 | Lotz, Lorenz, Brooklyn, N. Y. Combined scoop and sieve | Sept. 2, 1879 | 121 | 37 | 16 | 428 |
| 215, 379 | Loud, Henry M., Oscoda, Mich. Sawing and planing lumber | May 13, 1879 | 464 | 139 | 15 | 765 |
| | Loud, Herbert. (*See* Edson & Haynes, assignors) (Reissue.) | | | | | |
| 214, 931 | Loud, Herbert, Boston, Mass. Pulley-block | Apr. 29, 1879 | 1416 | 393 | 15 | 685 |
| 212, 807 | Loudon, Rodney D., Wilmington, Ill. Hog-trap | Mar. 4, 1879 | 31 | 10 | 15 | 302 |
| 211, 168 | Loudon, William, Superior, Nebr. Double-acting lift and force pump | Jan. 7, 1879 | 97 | 31 | 15 | 14 |
| 218, 291 | Same Double-acting lift-pump | Aug. 5, 1879 | 205 | 55 | 16 | 248 |
| | Lough, Pleasant. (*See* Freeman & Lough.) | | | | | |
| 212, 241 | Loughran, Michael, Pittsburg, Pa. Machine for rolling pointed metal articles | Feb. 11, 1879 | 480 | 133 | 15 | 190 |
| 222, 516 | Lounsbury, William H., Owego, N. Y. Last and standard | Dec. 9, 1879 | 456 | 130 | 16 | 1080 |
| 220, 852 | Louprette, Joseph, Glens Falls, N. Y. Door-brace | Oct. 21, 1879 | 746 | 199 | 16 | 750 |
| 213, 912 | Love, Almon D., Burlington, Mich. Pitman-connection | Apr. 1, 1879 | 195 | 57 | 15 | 497 |
| 218, 635 | Love, Holmes R., Crawfordsville, Ind. Combination filterer and cut-off | Aug. 19, 1879 | 625 | 176 | 16 | 324 |
| 217, 469 | Love, Matthew S., assignor of one-half interest to H. D. Field, Jerseyville, Ill. Boot-crimper | July 15, 1879 | 615 | 176 | 16 | 102 |
| 216, 688 | Love, Robert C., Philadelphia, Pa. Combined door spring and check | June 17, 1879 | 770 | 220 | 15 | 1000 |
| 216, 425 | Love, Samuel Y., Philadelphia, Pa. Mechanical movement | June 10, 1879 | 478 | 137 | 15 | 952 |
| 220, 297 | Lovejoy, Daniel B., Reading, Mass. Manufacture of metallic brushes | Oct. 7, 1879 | 98 | 26 | 16 | 648 |
| 8, 726 | Lovejoy, Henry and H. W., J. H. Ferguson, Brooklyn, and M. J. Creegan, New York, N. Y. Apparatus for electroplating (Reissue) | May 27, 1879 | 1179 | 342 | 15 | 876 |
| | Lovejoy, Henry W. (*See* Lovejoy, Ferguson & Creegan) (Reissue.) | | | | | |
| | Lovell, John T. (*See* Hunt, Edmund S., assignor.) | | | | | |
| 220, 482 | Lovell, Melvill A., Jersey City, N. J. Steam-brake | Oct. 14, 1879 | 313 | 83 | 16 | 686 |
| | Lovett, Eliphalet R. (*See* Miles & Lovett.) | | | | | |
| 219, 406 | Lovins, Richard M. V., Majority Point, Ill. Fence | Sept. 9, 1879 | 414 | 115 | 16 | 472 |
| | Lovrien, Charles H. (*See* Banister & Lovrien.) | | | | | |
| | Low, Charles H., *et al.* (*See* Wemple, Andrew, assignor.) | | | | | |
| 212, 561 | Low, Garrett W., Erie, Pa. Folding-table | Feb. 25, 1879 | 888 | 245 | 15 | 255 |
| 212, 478 | Low, John G., Chelsea, Mass. Manufacture of decorative tiles | Feb. 18, 1879 | 773 | 214 | 15 | 231 |
| 216, 426 | Low, Michael P., New York, assignor to G. G. Hallett, Brooklyn, N. Y. Mica-holder for stove-doors | June 10, 1879 | 479 | 137 | 15 | 952 |
| 8, 729 | Lowden, Edward M., New York, N. Y. Lamp (Reissue) | May 27, 1879 | 1184 | 343 | 15 | 876 |
| 223, 051 | Same Vapor-burner | Dec. 30, 1879 | 1096 | 312 | 16 | 1202 |
| 217, 126 | Lowdon, William, Superior, Nebr. Pump | July 1, 1879 | 224 | 64 | 16 | 31 |
| 212, 021 | Lowe, James A., New York, N. Y. Car-spring | Feb. 4, 1879 | 222 | 62 | 15 | 154 |
| 217, 016 | Lowe, Jay J., assignor of one-half interest to D. W. Loree, Ridgeway, Mich. Farm and road scraper | July 1, 1879 | 96 | 28 | 16 | 15 |
| | Lowell Machine Shop. (*See* Gibson, Everett G., assignor.) | | | | | |
| | Same (*See* Plummer, Richard H., assignor.) | | | | | |
| 222, 921 | Lowenberg, Isidor, San Francisco, Cal. Overalls | Dec. 23, 1879 | 944 | 271 | 16 | 1171 |
| 222, 714 | Lowentraut, Peter, Newark, N. J. Peg-float | Dec. 16, 1879 | 703 | 202 | 16 | 1125 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 219, 281 | Löwig, Carl, Breslau, Prussia, assignor to F. Loewig, Goldschmieden, Germany. Obtaining sugar from the juice of beet-roots, &c | Sept. 2, 1879 | 256 | ..... | 16 | 444 |
| 220, 980 | Lowmiller, Alpheus, Jewett, Ohio. Wool-press | Oct. 28, 1879 | 912 | 243 / 244 | 16 | 781 |
| 221, 082 | Lowmiller, Alpheus, assignor to self, J. Lowmiller, Jewett, and S. Stenger, Kilgore, Ohio. Grain-meter | Oct. 28, 1879 | 1031 | 273 | 16 | 797 |
| 221, 083 | Same.....same | Oct. 28, 1879 | 1032 | 273 | 16 | 797 |
| | Lowmiller, John, *et al.* (*See* Lowmiller, Alpheus, assignor.) | | | | | |
| 217, 887 | Lowrance, James W., Mooresville, Tenn. Peach cutter and stoner | July 29, 1879 | 1105 | 317 | 16 | 183 |
| 211, 752 | Lowrie, William E., Clearport, Ohio. Combined planter and cultivator | Jan. 28, 1879 | 805 | 226 | 15 | 110 |
| 219, 745 | Same.....Plow or cultivator | Sept. 16, 1879 | 785 | 216 | 16 | 530 |
| 219, 746 | Lowry, John, and D. Hunt, Ann Arbor, Mich. Wind-wheel | Sept. 16, 1879 | 785 | 217 | 16 | 530 |
| 216, 523 | Lowth, James, Chicago, Ill., assignor to A. and J. S. Worden, Ypsilanti, Mich. Whip-socket | June 17, 1879 | 596 | 168 | 15 | 977 |
| 221, 243 | Loy, Daniel O., Monticello, Ill. Die for molding bricks | Nov. 4, 1879 | 115 | 30 | 16 | 828 |
| | Loyd, William D. (*See* Loyd, William P. and W. D.) | | | | | |
| 216, 427 | Loyd, William P. and W. D., Tremont, Miss. Tombstone from potters' clay | June 10, 1879 | 480 | 138 | 15 | 952 |
| 222, 517 | Loyless, Elliott B., Dawson, Ga. Cotton and seed planter | Dec. 9, 1879 | 457 | 131 | 16 | 1080 |
| 215, 527 | Lozier, Abraham W., New York, N. Y. Automatic fan | May 20, 1879 | 647 | 189 | 15 | 799 |
| 220, 926 | Luallen, James D., and T. Pairan, Carroll, Ohio. Elastic link for chains, &c | Oct. 28, 1879 | 843 | 226 | 16 | 772 |
| 213, 052 | Lubin, David, Sacramento, Cal. Lamp | Mar. 11, 1879 | 337 | 95 | 15 | 349 |
| 218, 821 | Lucas, Berridge C. K., Peoria, Ill. Clothes-drier | Aug. 26, 1879 | 850 | 239 | 16 | 365 |
| 213, 994 | Lucas, Christian E., Atlanta, Ga. Ventilating railway-cars | Apr. 8, 1879 | 298 | 86 | 15 | 520 |
| 219, 960 | Same.....Safe for sleeping-cars | Sept. 23, 1879 | 1035 | 288 | 16 | 574 |
| 220, 628 | Same.....Car-ventilator | Oct. 14, 1879 | 485 | 127 | 16 | 708 |
| 213, 765 | Lucas, Daniel R., Mound Station, Ill. Tire-tightening washer | Apr. 1, 1879 | 36 | 12 | 15 | 477 |
| | Lucas, David D. (*See* Haas, Philip M., assignor.) | | | | | |
| 218, 389 | Lucas, Heman S., Chester, Mass. Making a water and fire proof paper | Aug. 12, 1879 | 327 | ..... | 16 | 275 |
| 212, 147 | Lucas, John, Pottsville, Pa. Safety-nozzle for cans | Feb. 11, 1879 | 379 | 103 | 15 | 177 |
| 218, 039 | Lucas, John D., Baltimore, Md. Device for securing forms on beds of printing-presses | July 29, 1879 | 1272 | 363 | 16 | 204 |
| 213, 671 | Lucas, John H., Somerset, Ind. Plasterer's tool | Mar. 25, 1879 | 1031 | 293 | 15 | 454 |
| 222, 830 | Lucas, Thomas H., Lansing, Mich. Rein-holder | Dec. 23, 1879 | 839 | 240 | 16 | 1155 |
| 214, 673 | Luce, George D., assignor of one-half interest to O. J. Flagg, New Orleans, La. Press for baling fibrous material | Apr. 22, 1879 | 1121 | 314 | 15 | 640 |
| 213, 913 | Luce, Greenleaf V., Detroit, Mich. Construction of chests | Apr. 1, 1879 | 196 | 57 | 15 | 497 |
| 222, 359 | Luce, Greenleaf V., Indianapolis, Ind. Trunk-lock | Dec. 9, 1879 | 278 | 77 | 16 | 1057 |
| | Luce, Oscar I. (*See* Hovey, Luce & Sharp.) | | | | | |
| 221, 585 | Lück, John, Flatbush, N. Y. Stone pavement | Nov. 11, 1879 | 523 | 143 | 16 | 894 |
| 212, 955 | Luckenbach, Frederic H., New York, N. Y. Process and apparatus for cooling and drying grain, &c | Mar. 4, 1879 | 213 | 60 | 15 | 324 |
| 217, 127 | Luckhardt, Johannes, Berlin, Germany. Vent-spout for bottles, &c | July 1, 1879 | 225 | 65 | 16 | 31 |
| 213, 218 | Lüders, Harrison C., Philadelphia, Pa. Elliptic spring | Mar. 11, 1879 | 528 | 147 | 15 | 373 |
| 222, 292 | Luders, Thomas L., Philadelphia, Pa., assignor of one-half interest to C. J. A. Dick, Lee, England. Shock or jar recorder | Dec. 2, 1879 | 197 | 52 | 16 | 1036 |
| | Ludewigs, William H. (*See* Kelso & Ludewigs.) | | | | | |
| 212, 808 | Ludlow, John R., Norfolk, Va. Refrigerator | Mar. 4, 1879 | 32 | 10 | 15 | 301 |
| 222, 192 | Ludlow, Samuel W., Cincinnati, Ohio. Vehicle-spring | Dec. 2, 1879 | 87 | 21 | 16 | 1020 |
| 212, 956 | Ludlow, Washington I., Ashtabula, Ohio. Latch | Mar. 4, 1879 | 216 | 61 | 15 | 324 |
| 212, 957 | Same.....Lock | Mar. 4, 1879 | 219 | 61 | 15 | 325 |
| 222, 662 | Ludlow, William H., Red Cloud, Nebr. Brick off-bearing case | Nov. 25, 1879 | 1083 | 304 | 16 | 987 |
| 217, 807 | Ludwig, John C., San Francisco, Cal. Electro-magnetic motor | July 22, 1879 | 1000 | 287 | 16 | 162 |
| 214, 412 | Lugo, Orazio, Flushing, assignor to J. W. Decastro, New York, N. Y. Purifying and increasing the illuminating power of gas | Apr. 15, 1879 | 819 | ..... | 15 | 593 |
| 222, 715 | Lugo, Orazio, Flushing, and W. T. Lees, Brooklyn, N. Y. Purifying illuminating-gas | Dec. 16, 1879 | 703 | ..... | 16 | 1125 |
| 212, 243 | Luke, Samuel, and D. Davis, Cuyahoga Falls, Ohio. Building-block | Feb. 11, 1879 | 482 | 133 | 15 | 190 |
| 219, 282 | Lukens, Jawood, Conshohocken, Pa. Puddling-furnace | Sept. 2, 1879 | 258 | 73 | 16 | 444 |
| 216, 199 | Lukey, Nicholas S., New Orleans, La. Cattle-food | June 3, 1879 | 199 | ..... | 15 | 910 |
| 212, 809 | Lull, William A., and P. A. Brainerd, Hoopersville, N. Y. Feather-renovator | Mar. 4, 1879 | 33 | 11 | 15 | 301 |
| 219, 488 | Lummis, Robert P., Altoona, Kans. Clothes-washer | Sept. 9, 1879 | 495 | 138 | 16 | 483 |
| 212, 479 | Lund, Nicolay H., New York, N. Y. Reversible coat | Feb. 18, 1879 | 775 | 214 | 15 | 232 |
| 216, 045 | Lundberg, Charles O., assignor of part interest to J. Smith, A. Sparr, and D. J. Avery, Chicago, Ill. Restoring and preserving stone | June 3, 1879 | 44 | ..... | 15 | 890 |
| 212, 022 | Lunkenheimer, Frederick, Cincinnati, Ohio. Paper-weight | Feb. 4, 1879 | 223 | 63 | 15 | 154 |
| 212, 480 | Same.....Oil-cup | Feb. 18, 1879 | 776 | 214 | 15 | 232 |
| 213, 292 | Same.....Safety-plug | Mar. 18, 1879 | 626 | 176 | 15 | 393 |
| 8, 922 | Luther, Charles A., Pawtucket, R. I. Cloth-stretching machine, &c.....(Reissue) | Oct. 7, 1879 | 278 | 75 | 16 | 673 |
| 219, 867 | Luther, Jacob, Jackson, Mich. Truck | Sept. 23, 1879 | 932 | 257 | 16 | 559 |
| 216, 620 | Luther, Ormel R., Wolcottville, Conn. Cartridge-holder | June 17, 1879 | 699 | 200 | 15 | 991 |
| | Lutz, Charles W. (*See* Ningard, Frederick W., assignor.) | | | | | |
| | Lutz, W. A., *et al.* (*See* Livengood, Peter, assignor.) | | | | | |
| | Lutz, William B. (*See* Gillett, Harrison, assignor.) | | | | | |
| 215, 380 | Lyford, Francis, Augusta, Me. Laundry jack or bracket | May 13, 1879 | 464 | 139 | 15 | 765 |
| 212, 244 | Lyford, Stephen C., Washington, D. C. Intrenching knife-bayonet | Feb. 11, 1879 | 483 | 134 | 15 | 190 |
| 217, 230 | Lyman, Alfred E. (A. W. Lyman, administrator), Geneva, Ohio. Shawl-strap | July 8, 1879 | 352 | 104 | 16 | 57 |
| 220, 080 | Lyman, Alfred E. (A. W. Lyman, administrator), Brooklyn, N. Y., and A. W. Lyman; said A. W. Lyman assignor to Enterprise Manufacturing Company, Geneva, Ohio. Manufacture of spoons, &c | Sept. 30, 1879 | 1189 | 327 | 16 | 603 |
| | Lyman, Arthur W., administrator. (*See* Lyman, Alfred E.) | | | | | |
| | Lyman, Arthur W. (*See* Lyman, Alfred E. and A. W.) | | | | | |
| 219, 168 | Lyman, Azel S., New York, N. Y. Preserving meat | Sept. 2, 1879 | 122 | 37 | 16 | 428 |
| 222, 142 | Lyman, Chester C., Cleveland, Ohio. Steam hoisting-derrick | Dec. 2, 1879 | 29 | 8 | 16 | 1013 |
| 215, 009 | Lyman, Fordyce A., assignor of three-fourths interest to H. Taylor, R. Boggis, and W. Nottingham, Cleveland, Ohio. Gasoline-burner | May 6, 1879 | 30 | 9 | 15 | 706 |
| | Lyman, John. (*See* Samuels, Samuel D., assignor.) | | | | | |
| | Lyman, Seymour. (*See* Henry, Cornelius, assignor.) | | | | | |
| 215, 230 | Lyman, Wilfred C., Chicago, Ill. Grain-sampler | May 13, 1879 | 299 | 88 | 15 | 743 |
| 211, 753 | Lyman, William, Middlefield, Conn. Sight for fire-arms | Jan. 28, 1879 | 806 | 226 | 15 | 110 |
| 217, 626 | Same.....Automatic pump | July 15, 1879 | 788 | 224 | 16 | 125 |
| | Lynch, John, *et al.* (*See* Peck, Richard W., assignor.) | | | | | |
| | Lynch, Sedgwick J. (*See* Garratt & Lynch.) | | | | | |
| 220, 927 | Lynch, William J., Cleveland, Ohio. Book-mark | Oct. 28, 1879 | 844 | 227 | 16 | 772 |
| | Lynde, Leonard. (*See* Burton & Lynde.) | | | | | |
| | Lynde, William W. (*See* Hosford, Jay W., assignor.) | | | | | |
| 215, 140 | Lynex, Richard, Philadelphia, Pa. Animal-trap | May 6, 1879 | 188 | 53 | 15 | 725 |
| | Lynn Lasting Machine Association. (*See* Trask & Wheeler, assignors)...(Reissue.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 221, 084 | Lynn, Wauhope, New York, and G. Clasen, Brooklyn, N. Y. Letter-box | Oct. 28, 1879 | 1033 | 274 | 16 | 797 |
| 218, 292 | Lynn, William S., assignor of one-half interest to M. C. Hirsch, Philadelphia, Pa. Measuring and registering tap for barrels | Aug. 5, 1879 | 206 | 56 | 16 | 248 |
| 211, 169 | Lyon, Cyrus E., Worcester, Mass. Organ-action | Jan. 7, 1879 | 98 | 31 | 15 | 14 |
| 216, 428 | Lyon, George W., Chicago, Ill. Music-rack for piano-fortes | June 10, 1879 | 480 | 138 | 15 | 953 |
| 218, 992 | Lyon, Jacob, Placerville, Cal. Peach and plum pitter | Aug. 26, 1879 | 1043 | 294 | 16 | 391 |
| 218, 448 | Lyon, Louis H., Bridgeport, Conn. Combined ship's pump and windlass | Aug. 12, 1879 | 393 | 108 | 16 | 284 |
| | Lyon, Lyman A. (*See* Swift & Lyon.) | | | | | |
| 214, 413 | Lyon, Marcus S., Armada, Mich. Churn | Apr. 15, 1879 | 820 | 230 | 15 | 593 |
| | Lyon, Nelson, *et al.* (*See* Clarke, R. Phillips, assignor.) | | | | | |
| | Lyon, Nelson. (*See* Swett, Sullivan C., assignor.) | | | | | |
| 218, 293 | Lyon, Thomas, Hartford, assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Reversible latch | Aug. 5, 1879 | 207 | 56 | 16 | 248 |
| 219, 105 | Same.....Lock face-plate | Sept. 2, 1879 | 52 | 17 | 16 | 419 |
| 222, 413 | Lyons, Frederick W., and E. Ziegler, Jersey City, N. J. Insecticide compound | Dec. 9, 1879 | 334 | ..... | 16 | 1065 |
| | Lyons, Hugh, *et al.* (*See* Walker, Russel B., assignor.) | | | | | |
| 212, 958 | Lyons, James A., Knoxville, Tenn. Rain-water and other cut-offs | Mar. 4, 1879 | 222 | 61 | 15 | 325 |
| 217, 017 | Lyons, Justus C., Fond du Lac, Wis. Attachment for bee-hives | July 1, 1879 | 97 | 29 | 16 | 15 |
| | Lyons, Le Roy. (*See* Roberts & Lyons.) | | | | | |
| 219, 961 | Lyte, Farnham M., Savile Row, Middlesex County, England. Extracting metals from ores | Sept. 23, 1879 | 1035 | 288 | 16 | 574 |
| 212, 481 | Lytle, Andrew J., Hillsborough, Ohio. Combined sewing implement | Feb. 18, 1879 | 776 | 214 | 15 | 232 |
| 216, 571 | Same..... Pruning implement | June 17, 1879 | 645 | 183 | 15 | 984 |
| | Lytle, William H. (*See* Crocker & Lytle.) | | | | | |
| 221, 687 | Maass, Albert W., Meridian, Miss. Treatment of pine leaves for the manufacture of paper, and for other purposes | Nov. 18, 1879 | 636 | ..... | 16 | 918 |
| 214, 414 | Maass, Albert W. M., Meridian, Miss. Gas-retort | Apr. 15, 1879 | 822 | 230 | 15 | 594 |
| 219, 489 | Same..... same | Sept. 9, 1879 | 496 | 138 | 16 | 483 |
| 216, 200 | Macard, James S., Battle Creek, Mich. Rocking-chair | June 3, 1879 | 200 | 59 | 15 | 910 |
| 214, 422 | Macauley, Lorenzo G., Augusta, Wis. Road-lantern | Apr. 15, 1879 | 829 | 232 | 15 | 595 |
| 215, 010 | Macdaniel, Osborne, New York, N. Y. Railway-track | May 6, 1879 | 30 | 10 | 15 | 706 |
| 215, 641 | Macdonald, Herbert C., Brighton, England. Boot-rack | May 20, 1879 | 776 | 228 | 15 | 816 |
| 211, 413 | MacDonell, Allan, Newry, Ireland. Machinery for filling and corking bottles, &c | Jan. 14, 1879 | 395 | 113 | 15 | 51 |
| 215, 946 | MacDonnell, John T. F., Holyoke, Mass. Automatic feed for paper-machines | May 27, 1879 | 1117 | 324 | 15 | 867 |
| 216, 046 | Macdonough, James, New York, N. Y., assignor to self and American Bank Note Company. Numbering-machine | June 3, 1879 | 45 | 12 | 15 | 890 |
| | Macfarlane, William T. (*See* Driscoll, William, assignor.) | | | | | |
| 217, 627 | Macfee, Edward D., Red House, Va. Corn-planter | July 15, 1879 | 789 | 224 | 16 | 125 |
| | Machette, Edwin V., jr. (*See* Stamour & Machette.) | | | | | |
| 223, 052 | Mack, George L., Detroit, Mich. Elastic seat for railway-rails | Dec. 30, 1879 | 1098 | 312 | 16 | 1202 |
| 222, 518 | Mackall, William W., jr., Savannah, Ga. Car-window | Dec. 9, 1879 | 458 | 131 | 16 | 1081 |
| | Mackay, Frederick N. (*See* Siddeley & Mackay.) | | | | | |
| 213, 219 | Mackay, Frederick N., Liverpool, England. Cell for tanks of ice-making machines | Mar. 11, 1879 | 529 | 147 | 15 | 373 |
| 214, 425 | Same.....Water-agitator for ice apparatus | Apr. 15, 1879 | 831 | 233 | 15 | 595 |
| 222, 143 | Mackaye, Steele, New York, N. Y. Theater appliance | Dec. 2, 1879 | 31 | 8 | 16 | 1013 |
| 213, 914 | Mackbee, Samuel, assignor of one-third interest to I. Brown, Baltimore, Md. Swing | Apr. 1, 1879 | 196 | 57 | 15 | 498 |
| 211, 754 | MacKellar, Robert, and B. Lent, Peekskill, N. Y. Vehicle-spring | Jan. 28, 1879 | 807 | 227 | 15 | 110 |
| 216, 872 | MacKellar, Robert, Peekskill, N. Y. Fire-grate | June 24, 1879 | 995 | 282 | 15 | 1039 |
| | Mackellar, Smiths & Jordan. (*See* Smith, Richard, assignor.) | | | | | |
| 220, 081 | Mackey, Alexander, New York, N. Y. Filter | Sept. 30, 1879 | 1190 | 328 | 16 | 603 |
| 223, 053 | Mackey, William W., Galion, Ohio. Miter-gage | Dec. 30, 1879 | 1098 | 312 | 16 | 1202 |
| 217, 128 | Mackie, John, Reading, Berks County, England. Pulley | July 1, 1879 | 226 | 65 | 16 | 31 |
| 8, 802 | Mackinnon, Duncan, Lucknow, Canada. Stylographic fountain-pen .....(Reissue) | July 15, 1879 | 849 | 240 | 16 | 131 |
| 217, 888 | Mackinnon, Duncan, Stratford, Ontario, Canada. Stylographic fountain-pen | July 29, 1879 | 1106 | 317 | 16 | 183 |
| 211, 858 | Mackinnon, John A., Caledonia, N. Y. Vehicle-wheel hub | Feb. 4, 1879 | 42 | 14 | 15 | 131 |
| 214, 435 | Same.....Vehicle-axle box | Apr. 15, 1879 | 840 | 236 | 15 | 596 |
| | Macqueen, James. (*See* Dobson & Macqueen.) | | | | | |
| 218, 294 | Macy, Edwin M., and R. Russell, Longview, Tex. Game-table | Aug. 5, 1879 | 208 | 56 | 16 | 248 |
| 214, 048 | Macy, Egbert, Brooklyn, N. Y. Game apparatus | Apr. 8, 1879 | 370 | 105 | 15 | 528 |
| 219, 490 | Macy, John W., assignor of two-thirds interest to T. Kincaid and M. E. Baird, Troy, Ohio. Curtain-fixture | Sept. 9, 1879 | 497 | 138 | 16 | 484 |
| | Macy, Josiah H. (*See* Richardson, Gibbs & Macy.) | | | | | |
| | Macy, Josiah H., *et al.* (*See* Shedlock, Alfred, assignor.) | | | | | |
| | Macy, Josiah H. (*See* Singer, Charles G., assignor.) | | | | | |
| | Macy, J. Warren. (*See* Baird & Macy.) | | | | | |
| 219, 747 | Macy, J. Warren, assignor of two-thirds interest to T. Kincaid and M. E. Baird, Troy, Ohio. Curtain-fixture | Sept. 16, 1879 | 786 | 217 | 16 | 530 |
| 213, 119 | Maddox, James E. Q., Cincinnati, Ohio, and G. P. Humphries, Alexandria, Ky., assignors of one-third interest to W. W. Bostwick, Cincinnati, Ohio. Gate | Mar. 11, 1879 | 422 | 116 | 15 | 359 |
| 220, 483 | Madeheim, Hermann, Brooklyn, assignor to G. F. Hawkes, New York, N. Y. Fountain-pen | Oct. 14, 1879 | 314 | 83 | 16 | 686 |
| 218, 822 | Madison, James R., Bedford, Iowa. Bee-hive | Aug. 26, 1879 | 851 | 239 / 240 | 16 | 365 |
| | Madlener, Phillipp. (*See* Graf & Madlener.) | | | | | |
| 222, 063 | Madson, Mads G., Oslo, Wis. Grain-drill | Nov. 25, 1879 | 1084 | 304 | 16 | 987 |
| 222, 144 | Maetzel, George H., Columbus, Ohio. Refrigerating-chamber, &c | Dec. 2, 1879 | 32 | 9 | 16 | 1013 |
| 212, 023 | Maeurer, Christian, Brooklyn, N. Y. Filter | Feb. 4, 1879 | 224 | 63 | 15 | 154 |
| | Magee Furnace Company. (*See* Magee, John, assignor.) | | | | | |
| | Same.....(*See* Tinkham, Howard A., assignor.) | | | | | |
| | Magee, H. C. (*See* Davies, Jones & Thomas, assignors.) | | | | | |
| 212, 614 | Magee, John, Chelsea, assignor to Magee Furnace Company, Boston, Mass. Sink guard and cover | Feb. 25, 1879 | 949 | 262 | 15 | 263 |
| 221, 026 | Magerhaus, Adolph W., New York, N. Y. Bracelet | Nov. 25, 1879 | 939 | 263 | 16 | 967 |
| | Magill, B., *et al.* (*See* Devine, Frank W., assignor.) | | | | | |
| 214, 415 | Magone, Joseph, Canyon City, Oreg. Oat-separator | Apr. 5, 1879 | 822 | 230 | 15 | 594 |
| 214, 258 | Maguire, Francis, Cambridge, Mass. Candle | Apr. 15, 1879 | 635 | 178 | 15 | 570 |
| 211, 755 | Maguire, George W., assignor to A. Degler, H. L. Harbison, and G. Richard, Confluence, Pa. Lubricating compound | Jan. 28, 1879 | 808 | ..... | 15 | 110 |
| | Maguire, Henry M. (*See* Sisson, William, assignor.) | | | | | |
| 212, 715 | Mahan, Frank M., Saint Joseph, Mo., assignor to self, S. W. Slayden, and S. R. Owen. Ice-breaking vessel | Feb. 25, 1879 | 1045 | 290 | 15 | 276 |
| 8, 647 | Mahle, Clemence A., Corry, Pa. Machine for boring brush-blocks.....(Reissue) | Apr. 1, 1879 | 251 | 73 | 15 | 505 |
| | Mahon Brothers. (*See* Friedly, Michael, assignor.) | | | | | |
| 220, 082 | Mahon, Charles, Washington, D. C. Track clearer and protector | Sept. 30, 1879 | 1192 | 328 | 16 | 603 |
| | Mahoney, Eugene H. (*See* Paine, George C., assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214, 932 | Maier, Martin, Detroit, Mich. Combined corner-iron and trunk-hinge | Apr. 29, 1879 | 1417 | 393 | 15 | 686 |
| 214, 933 | Same.....Corner-iron and lock for trunks | Apr. 29, 1879 | 1418 | 394 | 15 | 686 |
| 219, 283 | Mailer, John, Pacheco, Cal. Bridge-wall for furnaces | Sept. 2, 1879 | 259 | 73 | 16 | 444 |
| 217, 470 | Main, William, Piermont, N. Y. Milling attachment for lathes | July 15, 1879 | 616 | 176 | 16 | 102 |
| 220, 396 | Main, William H., Boscobel, Wis. Wheel-barrow | Oct. 7, 1879 | 206 | 56 | 16 | 663 |
| 214, 674 | Maitland, Thomas, Williamsport, Pa. Spring-whiffletree | Apr. 22, 1879 | 1122 | 314 | 15 | 640 |
| 211, 170 | Major, Slaughter G., Haynesville, Mo. Cow-milker | Jan. 7, 1879 | 99 | 31 | 15 | 14 |
| 222, 716 | Maker, Nathan P., Providence, R. I. Separable button | Dec. 16, 1879 | 705 | 202 | 16 | 1126 |
| 222, 593 | Malcolmson, Thomas, assignor to L. Mayer, Oil City, Pa. Device for bottle-stoppers | Dec. 16, 1879 | 565 | 160 | 16 | 1105 |
| 218, 295 | Mallery, Isaac, Dryden, N. Y. Turbine water-wheel | Aug. 5, 1879 | 209 | 56 | 16 | 249 |
| 213, 434 | Malleson, Frederick, New York, N. Y. Archery-bow | Mar. 18, 1879 | 764 | 215 | 15 | 412 |
| 220, 397 | Mallet, John W., University of Virginia, Va. Manufacture of chloroform and allied products | Oct. 7, 1879 | 207 | 56 | 16 | 663 |
| 222, 519 | Mallett, Edward J., jr., New York, N. Y. Disinfecting apparatus for water-closets, &c. | Dec. 9, 1879 | 459 | 13 | 16 | 1081 |
| 215, 642 | Mallett, Francis W., assignor to A. H. and H. L. Andrews and T. S. Hayden, Chicago, Ill. School and hall seat | May 20, 1879 | 777 | 228 | 15 | 816 |
| 216, 047 | Same.....Thermostat | June 3, 1879 | 47 | 13 | 15 | 890 |
| 216, 621 | Mallette, James P., Chicago, Ill., assignor to R. W. Montross, Galien, Mich. Clothes-bar | June 17, 1879 | 700 | 200 | 15 | 991 |
| 221, 586 | Mallette, James P., Chicago, Ill. Bed-bottom | Nov. 11 1879 | 524 | 143 | 16 | 894 |
| 212, 102 | Mallison, George, Philadelphia, Pa. Driving mechanism for rubbing-rollers of condenser carding-machines | Feb. 11, 1879 | 328 | 90 | 15 | 169 |
| 214, 431 | Malmar, Nils, Brooklyn, N. Y. Coat | Apr. 15, 1879 | 836 | 235 | 15 | 596 |
| 220, 484 | Malone, Henry B., Chicago, Ill. Fire-lighter | Oct. 14, 1879 | 315 | ..... | 16 | 686 |
| 218, 390 | Malone, Jacob, Chariton, Iowa. Gate | Aug. 12, 1879 | 328 | 90 | 16 | 275 |
| 218, 296 | Maloney, James A., Georgetown, D. C., assignor of three-fourths interest to G. N. French. Child's carriage | Aug. 5, 1879 | 210 | 57 | 16 | 249 |
| | Maloney, William A. (*See* Lewis, Maloney & King.) | | | | | |
| 213, 828 | Maloy, James W., Somerville, assignor to American Marble Cutting Company, Boston, Mass. Machine for molding and surfacing stone | Apr. 1, 1879 | 105 | 31, 32 | 15 | 486 |
| 213, 829 | Same..... Machine for polishing stone, &c | Apr. 1, 1879 | 107 | 32 | 15 | 486 |
| 212, 245 | Maltby, Clinton H., and G. W. Martin, Dayton, assignors of one-half interest to R. E. Johnston, Middletown, Ohio. Paper-bag machine | Feb. 11, 1879 | 484 | 134 | 15 | 191 |
| | Maltby, George E., *et al.* (*See* Jacobson, Christian F., assignor.) | | | | | |
| 214, 675 | Maltby, John W., Rochester, N. Y. Truss-hoop | Apr. 22, 1879 | 1123 | 315 | 15 | 640 |
| 219, 284 | Mambert, Isaac H., Troy, N. Y. Shirt | Sept. 2, 1879 | 260 | 73 | 16 | 444 |
| 213, 293 | Mamer, Theodor, and F. J. Wallerius, Hastings, Minn. Tube-cutter | Mar. 18, 1879 | 627 | 176 | 15 | 393 |
| | Man, Albon. (*See* Sawyer & Man.) | | | | | |
| | Manchester, Julian. (*See* Bohlen, John, assignor.) | | | | | |
| 212, 716 | Mandt, Targe G., Stoughton, Wis. Platform-spring for vehicles | Feb. 25, 1879 | 1046 | 290 | 15 | 276 |
| 215, 948 | Mang, Adolf, Baden Baden, Germany. Orrery | May 27, 1879 | 1120 | 324 | 15 | 868 |
| 212, 024 | Mangan, Patrick J., New York, N. Y. Side-bar vehicle | Feb. 4, 1879 | 225 | 63 | 15 | 155 |
| | Manhattan Brass Company. (*See* Coe, Henry L., assignor.) | | | | | |
| | Same.....(*See* White, James H., assignor.) | | | | | |
| | Manhattan Burner Company. (*See* Trent, Joseph, assignor.) | | | | | |
| 221, 332 | Mankin, Franklin P., Hopkins Station, Mich. Fire-escape | Nov. 4, 1879 | 219 | 60 | 16 | 842 |
| 211, 859 | Manley, Horace A., Boston, Mass. Egg-boiler | Feb. 4, 1879 | 44 | 14 | 15 | 132 |
| 215, 011 | Manley, Horace A., Boston, assignor to A. J. Coolidge, Watertown, Mass. Oscillating printing-press | May 6, 1879 | 32 | 11 | 15 | 707 |
| 212, 718 | Manley, William, Rochester, N. Y. Shoe-scalloping machine | Feb. 25, 1879 | 1048 | 291 | 15 | 276 |
| 215, 643 | Manly, Marcus M. and R. P., Philadelphia, Pa. Insulating and protecting telegraphic conductors | May 20, 1879 | 778 | 228 / 229 | 15 | 816 |
| | Manly, Robert P. (*See* Manly, Marcus M. and R. P.) | | | | | |
| 215, 231 | Manly, Robert P., Philadelphia, Pa. Apparatus for insulating telegraphic conductors | May 13, 1879 | 300 | 88 | 15 | 743 |
| 214, 782 | Mann, Adelaide E., Lawrence, Mass. Wash-boiler | Apr. 29, 1879 | 1256 | 351 | 15 | 664 |
| 212, 717 | Mann, Elbridge, Milford, Mass. Manufacture of boots and shoes | Feb. 25, 1879 | 1047 | ..... | 15 | 276 |
| 221, 837 | Mann, George, Buffalo, N. Y. Steam-boiler | Nov. 18, 1879 | 816 | 227 | 16 | 941 |
| 222, 998 | Mann, George E., assignor of one-half interest to C. F. Bingham, Buffalo, N. Y. Window-fastener | Dec. 30, 1879 | 1038 | 297 | 16 | 1194 |
| 212, 959 | Mann, James P. R., assignor of one-half interest to S. G. Campbell, Levick's Mill, Mo. Corn-planter | Mar. 4, 1879 | 223 | 62 | 15 | 325 |
| 214, 934 | Mann, Patrick, Washington, D. C. Animal-trap | Apr. 29, 1879 | 1418 | 394 | 15 | 686 |
| 214, 935 | Same.....Back-band loop for plow-harness | Apr. 29, 1879 | 1420 | 394 | 15 | 686 |
| 211, 761 | Mann, Stephen S., Baltimore, Md. Lamp-burner | Jan. 28, 1879 | 812 | 228 | 15 | 111 |
| 212, 562 | Same.....Lamp-burner | Feb. 25, 1879 | 889 | 246 | 15 | 255 |
| | Mann, William T., *et al.* (*See* Watson, James, assignor.) | | | | | |
| 211, 632 | Manning, Andrew L., Booneville, Miss. Plow | Jan. 28, 1879 | 666 | 187 | 15 | 92 |
| 223, 054 | Manning, Benjamin F., Oak Forest, Pa. Fastening for sled-shoes | Dec. 30, 1879 | 1099 | 312 | 16 | 1202 |
| 8, 639 | Manning, Charles H., Washington, D. C. Tan-vat.....(Reissue) | Mar. 25, 1879 | 1097 | 311 | 15 | 464 |
| 220, 248 | Same.....Carbon-point for electric lights | Oct. 7, 1879 | 44 | 11 | 16 | 640 |
| | Manning, James. (*See* Haas & Manning.) | | | | | |
| 217, 698 | Manning, James A. Danville, Ind. Vehicle axle box and journal | July 22, 1879 | 889 | 253 | 16 | 147 |
| 219, 962 | Same .... Vehicle-axle | Sept. 23, 1879 | 1040 | 288 | 16 | 574 |
| 219, 407 | Manning, John, Windsor, Nova Scotia, Canada. Applying gypsum in the manufacture of paper | Sept. 9, 1879 | 414 | ..... | 16 | 472 |
| 218, 755 | Manning, Robert, Newark, N. J. Brow-band | Aug. 19, 1879 | 750 | 213 | 16 | 341 |
| 220, 162 | Same.....Bridle-front | Sept. 30, 1879 | 1277 | 350 | 16 | 615 |
| | Manning, William H. (*See* Brekke, Lewis O., assignor.) | | | | | |
| 217, 889 | Manny, C. Otto, Boston, assignor to C. F. Brown, Reading, Mass. Folding device for fabrics | July 29, 1879 | 1107 | 318 | 16 | 183 |
| 216, 744 | Manny, John P., Rockford, Ill. Harvester | June 24, 1879 | 851 | 241 | 15 | 1020 |
| 216, 745 | Same.....same | June 24, 1879 | 853 | 242 | 15 | 1021 |
| 216, 746 | Same.....same | June 24, 1879 | 854 | 242 | 15 | 1021 |
| 216, 747 | Same.....Pitman-connection | June 24, 1879 | 855 | 242 | 15 | 1021 |
| 216, 748 | Same..... Guard-finger for harvesters | June 24, 1879 | 856 | 242 | 15 | 1021 |
| 211, 414 | Manrose, David P., Riverton, Iowa. Pump | Jan. 14, 1879 | 398 | 114 | 15 | 51 |
| | Mansfield, Dana. (*See* Hennessy & Quinn, assignors.) | | | | | |
| 212, 719 | Mansfield, Dana, Saint Louis, Mo. Street-sprinkling apparatus | Feb. 25, 1879 | 1052 | 291 | 15 | 277 |
| 216, 743 | Mansfield, William, Avondale, Ohio. Kiln and shed for burning and drying brick, &c. | June 24, 1879 | 846 | 241 | 15 | 1020 |
| 218, 889 | Mansfield, William H. H., Cassopolis, Mich. Pasting-machine | Aug. 26, 1879 | 987 | 263 | 16 | 377 |
| 219, 360 | Manvel, Homer, and G. Turner, Kalamazoo, Mich. Pump for tubular wells | Sept. 9, 1879 | 357 | 101 | 16 | 465 |
| 220, 161 | Manwaring, Kinyon W., Moline, Ill. Colter | Sept. 30, 1879 | 1276 | 350 | 16 | 615 |
| | Manwaring, W. B. (*See* Williams, George, assignor.) | | | | | |
| 221, 587 | Manwarring, Amanda B., Detroit, Mich. Adjustable head-rest | Nov. 11, 1879 | 525 | 144 | 16 | 894 |
| | Mapel, Eliga T. (*See* Bundock & Mapel.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 211, 415 | Maple, William H, Chariton, Iowa. Car-conpling | Jan. 14, 1879 | 399 | 114 | 15 | 51 |
| 215, 644 | Same ... same | May 20, 1879 | 781 | 229 | 15 | 816 |
| 214, 828 | Marable, Thomas E., Petersburg, Va. Hay-press | Apr. 29, 1879 | 1308 | 365 | 15 | 672 |
| | Marazzi, John. (*See* Raedler & Marazzi.) | | | | | |
| 220, 163 | Marble, William J., Wilmington, Ohio. Sectional book-case | Sept. 30, 1879 | 1278 | 351 | 16 | 615 |
| | Marcellus, William H. (*See* Sheffield & Marcellus.) | | | | | |
| 211, 336 | March, Thomas J., Limerick Station, Pa. Grate for furnaces and stoves | Jan. 14, 1879 | 316 | 93 | 15 | 41 |
| 215, 949 | Marchand, Charles, Paris, France. Apparatus for the production of illuminating-gas | May 27, 1879 | 1123 | 325 | 15 | 868 |
| 214, 936 | Marchand, Henry E., assignor of one-half interest to F. C. Kohne, Pittsburg, Pa. Atmospheric and vacuum egg-beater | Apr. 29, 1879 | 1420 | 394 | 15 | 686 |
| 221, 333 | Marchand, Henry E., Pittsburg, Pa. Automatic apparatus for measuring liquids | Nov. 4, 1879 | 220 | 60 | 16 | 842 |
| | Marcy, Frederick I. (*See* Covell, William W., assignor.) | | | | | |
| 220, 398 | Marden, Decatur, New Haven, Conn., assignor of one-half interest to W. W. Messer, New York, N. Y. Mop | Oct. 7, 1879 | 210 | 56 | 16 | 663 |
| 214, 937 | Marden, Samuel, assignor to self and S. F. Carrier, Newton, Mass. Elevated-railway car and track | Apr. 29, 1879 | 1421 | 395 | 15 | 686 |
| | Marden, Stephen J. (*See* Chamberlain & Marden.) | | | | | |
| 222, 999 | Maré, Charles, Nantes, France. Stoppering and covering bottles, jars, and pots | Dec. 30, 1879 | 1039 | 298 | 16 | 1194 |
| 218, 040 | Margach, McWilliam F., Meadville, Pa. Balance-valve | July 29, 1879 | 1273 | 364 | 16 | 204 |
| 220, 400 | Maris, Thomas C., assignor of one-half interest to J. D. Otterbein, Marietta, Ohio. Plug-tobacco cutter | Oct. 7, 1879 | 212 | 57 | 16 | 664 |
| 8, 987 | Markam, Homer C., Lyon's Falls, N. Y. Cheese-curd sink (Reissue) | Dec. 2, 1879 | 260 | 71 | 16 | 1044 |
| 213, 995 | Markoe, Ralston J., White Bear, Minn. Corn-planter | Apr. 8, 1879 | 299 | 87 | 15 | 520 |
| 217, 391 | Marks, Andrew J., Beaver, Pa. Fence | July 8, 1879 | 515 | 149 | 16 | 77 |
| 218, 297 | Marks, Bennett D., Louisville, Ky. Bottle-wrapper | Aug. 5, 1879 | 211 | 57 | 16 | 249 |
| | Marks, Jacob F., *et al.* (*See* Breckenridge, Joseph W., assignor.) | | | | | |
| 223, 155 | Marks, Thomas H., Baltimore, Md. Refrigerator | Dec. 30, 1879 | 1218 | 345 | 16 | 1218 |
| 213, 053 | Marks, Walter, and G. Jessup, Hopewell, N. Y.; said Jessup assignor to said Marks. Feed-cup for fertilizer-distributers | Mar. 11, 1879 | 339 | 95 | 15 | 349 |
| 217, 628 | Same ... same | July 15, 1879 | 791 | 225 | 16 | 125 |
| 218, 041 | Marler, Edwin T., Wood Vale, Dulwich, England. Composition for printer's inking-rollers | July 29, 1879 | 1274 | ..... | 16 | 204 |
| 222, 064 | Marlin, John M., New Haven, Conn. Magazine fire-arm | Nov. 25, 1879 | 1085 | 304, 305 | 16 | 987 |
| 222, 065 | Same ... Revolving fire-arm | Nov. 25, 1879 | 1087 | 305 | 16 | 988 |
| 222, 066 | Same ... same | Nov. 25, 1879 | 1088 | 305 | 16 | 988 |
| 222, 414 | Same ... Magazine fire-arm | Dec. 9, 1879 | 334 | 94 | 16 | 1065 |
| | Marling, George W. (*See* Johnson, William, assignor.) | | | | | |
| 216, 048 | Marmon, Daniel W., assignor to Nordyke & Marmon Company, Indianapolis, Ind. Shell for incasing millstones | June 3, 1879 | 48 | 13 | 15 | 891 |
| 220, 929 | Marquart, Frederick, Cleveland, Ohio. Vapor-burner | Oct. 28, 1879 | 846 | 227 | 16 | 773 |
| 216, 201 | Marr, William C., Onawa, Iowa. Sulky-scraper | June 3, 1879 | 200 | 59 | 15 | 910 |
| 222, 594 | Marra, Francesco A., New York, N. Y. Device for securing ornamental designs to plates and dishes | Dec. 16, 1879 | 566 | 161 | 16 | 1105 |
| 211, 762 | Marrin, Thomas, Silverlyville, Pa. Purification of paraffine-oils | Jan. 28, 1879 | 813 | ..... | 15 | 111 |
| 214, 829 | Marsh, Clark, Bridgeport, Conn. Hemmer | Apr. 29, 1879 | 1309 | 366 | 15 | 672 |
| 222, 831 | Marsh, Frank I., North Clarendon, Vt. Machine for sprinkling liquid poison upon vegetation | Dec. 23, 1879 | 840 | 240 | 16 | 1155 |
| | Marsh, Harry A. (*See* Marsh, James S., assignor.) | | | | | |
| 221, 968 | Marsh, Isaac, Milton, Pa. Bricks for constructing sidings, partition-walls, &c | Nov. 25, 1879 | 985 | 276 | 16 | 974 |
| 218, 185 | Marsh, James A., Cincinnati, Ohio. Burial-vault | Aug. 5, 1879 | 92 | 25 | 16 | 233 |
| 220, 399 | Marsh, James P., Chicago, Ill. Respirometer | Oct. 7, 1879 | 211 | 56 | 16 | 664 |
| 222, 978 | Marsh, James S., assignor to H. A. Marsh, Lewisburg, Pa. Harvester | Dec. 23, 1879 | 1010 | 289, 290 | 16 | 1180 |
| 8, 543 | Marsh, John F., assignor to Springfield Glazed Paper Company, Springfield, Mass. Manufacture of ornamental paper (Reissue) | Jan. 21, 1879 | 627 | 176 | 15 | 83 |
| 215, 950 | Marsh, Samuel T., and F. H. Brandt, Detroit, Mich. Cider-mill | May 27, 1879 | 1124 | 325 | 15 | 868 |
| 213, 515 | Marshall, Aaron E., Brazil, Ind. Lock | Mar. 25, 1879 | 854 | 243 | 15 | 432 |
| 211, 474 | Marshall, Charles E., Boston, assignor of one-half interest to J. J. Clapp, Milton, Mass. Anchor | Jan. 21, 1879 | 468 | 132 | 15 | 63 |
| 212, 960 | Marshall, Charles E., Afton, N. Y., assignor to self and L. R. Ferguson. Water-wheel | Nov. 4, 1879 | 224 | 62 | 15 | 325 |
| 212, 961 | Marshall, Charles E., Lockport, N. Y. Metallic binding-strip for oil-cloth | Mar. 4, 1879 | 225 | 62 | 15 | 325 |
| 212, 025 | Marshall, Chester P., Worcester, assignor to E. B. Welch, Cambridge, Mass. Circular loom | Feb. 4, 1879 | 226 | 63, 64 | 15 | 155 |
| 212, 026 | Same ... Lining tubular fabrics with rubber | Feb. 4, 1879 | 228 | 64 | 15 | 155 |
| 213, 915 | Marshall, Gavin, Hamilton, Ontario, Canada. Railway-car brake | Apr. 1, 1879 | 197 | 57, 58 | 15 | 498 |
| 218, 756 | Marshall, George E., Turner's Falls, Mass. Calendering-machine | Aug. 19, 1879 | 751 | 214 | 16 | 341 |
| 223, 055 | Marshall, Henry, Chelsea, and R. E. Sparrell, assignors to W. H. Golding and E. H. Dennison, Boston, Mass. Feed-gage for printing-presses | Dec. 30, 1879 | 1100 | 313 | 16 | 1202 |
| 217, 629 | Marshall, James C., Boston, Mass. Gage for paper-cutting machines | July 15, 1879 | 792 | 225 | 16 | 125 |
| | Marshall, John C. (*See* Wilher, John D., assignor.) | | | | | |
| 214, 676 | Marshall, Joseph, Anderson, Ind. Smoke-condenser and spark-extinguisher | Apr. 22, 1879 | 1123 | 315 | 15 | 640 |
| 219, 749 | Marshall, Oscar, Stockton, Cal. Extension-ladder | Sept. 16, 1879 | 788 | 217, 218 | 16 | 530 |
| 212, 811 | Marshall, Robert M., Dayton, Ohio. Candy-machine | Mar. 4, 1879 | 34 | 12 | 15 | 392 |
| | Marshall, William S. (*See* Warwick, John, assignor.) | | | | | |
| | Same ... (*See* Warwick, Marshall & Simpson.) | | | | | |
| 217, 390 | Marsland, George W., and A. Hitchcock, Pana, Ill. Wagon-rack | July 8, 1879 | 514 | 149 | 16 | 77 |
| 220, 928 | Marsters, Enoch J., Stockton, Cal. Car-truck | Oct. 28, 1879 | 845 | 227 | 16 | 773 |
| 216, 798 | Marston, Thomas P., New York, N. Y., assignor to P. Hake, Hoboken, N. J. Tag-fastener | June 24, 1879 | 915 | 261 | 15 | 1029 |
| | Martell, Herbert C. (*See* Harvey & Martell.) | | | | | |
| 222, 636 | Martens, Friedrich, assignor to self, J. Dehmlow, and G. Möllhusen, Stralsund, Germany. Horse-collar | Dec. 16, 1879 | 620 | 177 | 16 | 1113 |
| 222, 520 | Marti, Casper, New Albin, Iowa. Animal-trap | Dec. 9, 1879 | 460 | 131 | 16 | 1081 |
| 223, 000 | Martin, Edwin, Cleveland, Ohio. Pump | Dec. 30, 1879 | 1040 | 298 | 16 | 1195 |
| 215, 232 | Martin, Edwin A., Thornville, Ohio. Grain-sacking scales | May 13, 1879 | 301 | 88 | 15 | 743 |
| 214, 830 | Martin, Frank D., Springfield, Vt. Doll | Apr. 29, 1879 | 1310 | 366 | 15 | 672 |
| 218, 757 | Martin, Frederic, jr., West Jefferson, Ohio. Saw-dust conveyer | Aug. 19, 1879 | 752 | 214 | 16 | 342 |
| 211, 304 | Martin, Gaylord, Milwaukee, Wis. Brick-machine | Jan. 14, 1879 | 276 | 82 | 15 | 36 |
| 222, 925 | Martin, George S., Valley Mills, Tex. Fence | Dec. 23, 1879 | 949 | 273 | 16 | 1171 |
| | Martin, George W. (*See* Malthy & Martin.) | | | | | |
| 211, 919 | Martin, Henry T., assignor of one-half interest to J. H. Spence, Parkersburg, W. Va. Rolling-hoop | Feb. 4, 1879 | 113 | 32 | 15 | 149 |
| 214, 938 | Martin, James D., Johnson City, assignor of one-half interest to J. R. Meek, Carter's Depot, Tenn. Car-coupling | Apr. 29, 1879 | 1422 | 395 | 15 | 686 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216, 202 | Martin, James O., assignor to self and W. A. Semones, Oak Level, Va. Boring-bit | June 3, 1879 | 203 | 60 | 15 | 910 |
| 219, 748 | Martin, John M., jr., Ocala, Fla. Plow | Sept. 16, 1879 | 787 | 217 | 16 | 530 |
| 222, 293 | Martin, Joseph L., Baltimore, Md. Aging spirits and alcoholic liquors | Dec. 2, 1879 | 199 | 52 | 16 | 1036 |
| 216, 873 | Martin, Samuel G., South Amboy, N. J. Steering apparatus | June 24, 1879 | 995 | 283 | 15 | 1039 |
| 216, 874 | Same ..... same | June 24, 1879 | 996 | 283 | 15 | 1039 |
| 213, 916 | Martin, Samuel W., assignor of one-half interest to P. P. Mast, Springfield, Ohio. Ratchet-wrench | Apr. 1, 1879 | 199 | 58 | 15 | 498 |
| 220, 083 | Same ..... Windmill | Sept. 30, 1879 | 1193 | 328, 329 | 16 | 603 |
| 219, 642 | Martin, William L., assignor of one-half interest to W. I. Russell, Middletown, Conn. Jewel-casket | Sept. 16, 1879 | 680 | 188 | 16 | 516 |
| 221, 588 | Martin, William T., and J. M. Stewart, Clarksville, Ark. Seeding-machine | Nov. 11, 1879 | 525 | 144 | 16 | 894 |
| 212, 027 | Martindale, Avery C., Albion, Pa. Rack for feeding sheep | Feb. 4, 1879 | 229 | 64 | 15 | 155 |
| | Martindale, Montagu D. (*See* Greathead & Martindale.) | | | | | |
| 212, 246 | Martinelli, Steven, Watsonville, Cal. Attachment for bottle-fastenings | Feb. 11, 1879 | 486 | 135 | 15 | 191 |
| | Martini, Hermann. (*See* Gerike, Hugo, assignor.) | | | | | |
| 218, 890 | Martischang, Michel, Fort Madison, Iowa. Seed and corn planter | Aug. 26, 1879 | 939 | 263, 264 | 16 | 377 |
| 222, 717 | Marvin, James L., assignor to W. B. Fisher, Newark, N. J. Manufacture of straw goods | Dec. 16, 1879 | 705 | 202 | 16 | 1126 |
| 211, 337 | Marx, Ernst, and E. Taubald, New York, N. Y. Sound-board for musical instruments | Jan. 14, 1879 | 317 | 94 | 15 | 41 |
| 216, 203 | Marx, Ludwig, West Chester, Pa. Barber's chair | June 3, 1879 | 203 | 60 | 15 | 911 |
| | Marx & Son. (*See* Rübin, Max, assignor.) | | | | | |
| 211, 171 | Masac, Theophilus, assignor to G. E. King, New York, N. Y. Knee-protector | Jan. 7, 1879 | 100 | 31 | 15 | 14 |
| 214, 434 | Mason, Albert H., Niles, Ohio. Hay-elevator | Apr. 15, 1879 | 838 | 236 | 15 | 596 |
| 220, 298 | Mason, Alfred W. J., New Orleans, La. Privy and other vaults | Oct. 7, 1879 | 99 | 26 | 16 | 648 |
| 216, 485 | Mason, Alvin C., assignor to B. F. Felix, Chicago, Ill. Rope-reel | June 10, 1879 | 541 | 155 | 15 | 961 |
| 215, 141 | Mason, Charles C., Altoona, Pa. Car-seat | May 6, 1879 | 189 | 54 | 15 | 725 |
| 213, 220 | Mason, Charles T., Sumter Court-House, S. C. Electro-magnetic engine | Mar. 11, 1879 | 529 | 148 | 15 | 373 |
| 214, 939 | Mason, Cyrus O., Union, N. Y. Corn and seed dropper | Apr. 29, 1879 | 1423 | 395, 396 | 15 | 686 |
| | Mason, Edward R. (*See* Mason, William E., J. F., and E. R.) | | | | | |
| 221, 927 | Mason, Edward T., and F. A. Bergman, Chicago, Ill. Jacket-can | Nov. 25, 1879 | 940 | 263 | 16 | 968 |
| 216, 093 | Mason, Francis, Lancaster, Lancaster County, England. Grinding-tool | June 3, 1879 | 92 | 27 | 15 | 896 |
| | Mason & Hamlin. (*See* Kelly, George B., assignor.) | | | | | |
| | Mason & Hamlin Organ Company. (*See* Matthews & Richardson, assignors.) | | | | | |
| 217, 699 | Mason, Henry, and E. R. Loring, Chicago, Ill. Furnace for steam-boilers | July 22, 1879 | 890 | 254 | 16 | 147 |
| 219, 491 | Mason, Henry W., assignor to Phœnix Metallic Cartridge Company, South Coventry, Conn. Cartridge | Sept. 9, 1879 | 498 | 139 | 16 | 484 |
| | Mason, Horatio H. (*See* Emerson & Case, assignors.) | | | | | |
| 212, 563 | Mason, James A., Baltimore, Md. Car-coupling | Feb. 25, 1879 | 890 | 246 | 15 | 255 |
| 211, 172 | Mason, James W., London, England. Show-card for embroidery | Jan. 7, 1879 | 101 | 32 | 15 | 14 |
| | Mason, John F. (*See* Mason, William E., J. F., and E. R.) | | | | | |
| 216, 524 | Mason, Octavius C., Sterling, Ill. Hub-attaching device | June 17, 1879 | 596 | 169 | 15 | 977 |
| 214, 162 | Mason, Sanford, Galveston, Tex. Hook for suspending meat | Apr. 8, 1879 | 505 | 143 | 15 | 544 |
| | Mason, Samuel D. (*See* Boyce, George H., assignor.) | | | | | |
| 216, 049 | Mason, Sylvester G., assignor of one-half interest to C. E. Bogue, Crown Point, N. Y. Apparatus for sawing and tenoning spokes | June 3, 1879 | 49 | 13 | 15 | 891 |
| 215, 013 | Mason, William, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Process of brazing | May 6, 1879 | 36 | ..... | 15 | 707 |
| 222, 145 | Mason, William E., Chicago, Ill., and J. F. and E. R. Mason, Des Moines, Iowa. Lantern | Dec. 2, 1879 | 33 | 9 | 16 | 1013 |
| 217, 129 | Masselin, Eugene F., New York, N. Y. Marquetry | July 1, 1879 | 226 | 65 | 16 | 31 |
| 217, 471 | Massey, Albert P., Cleveland, Ohio. Adjustable shelf-bracket | July 15, 1879 | 617 | 177 | 16 | 102 |
| 220, 629 | Massey, Gideon B., and E. E. Spencer, New York, N. Y. Revolving heel | Oct. 14, 1879 | 485 | 127 | 16 | 708 |
| 213, 120 | Massie, Sebron M., Leicester, N. C. Corn-shelling machine | Mar. 11, 1879 | 423 | 117 | 15 | 359 |
| 215, 012 | Massow, Louis G., Saint Louis, Mo. Lantern | May 6, 1879 | 34 | 11 | 15 | 707 |
| | Mast & Co., P. P. (*See* Gardiner, Charles O., assignor.) | | | | | |
| | Same ..... (*See* Mast, Phineas P., assignor.) | | | | | |
| | Same ..... (*See* Sheldon, Richard B., assignor) ..... (Reissue.) | | | | | |
| | Mast, Phineas P. (*See* Martin, Samuel W., assignor.) | | | | | |
| 212, 028 | Mast, Phineas P., assignor to P. P. Mast & Co., Springfield, Ohio. Seeding-machine | Feb. 4, 1879 | 230 | 64 | 15 | 155 |
| 221, 244 | Matchett, Alexander, Pittsburg, Pa. Paper box | Nov. 4, 1879 | 116 | 31 | 16 | 828 |
| | Mather, Henry. (*See* Bryan & Mather.) | | | | | |
| 214, 049 | Mather, Oliver L., Wellsville, N. Y. Increasing the productiveness of oil-wells | Apr. 8, 1879 | 371 | 105 | 15 | 528 |
| 219, 963 | Mather, William, Salford, Lancaster County, England. Apparatus for damping woven fabrics | Sept. 23, 1879 | 1040 | 289 | 16 | 574 |
| 213, 917 | Mathers, George C., Louisville, Ky. Curtain-fixture | Apr. 1, 1879 | 200 | 58 | 15 | 498 |
| | Mathes, Nathan F. (*See* Perkins, Michael R., assignor.) | | | | | |
| 215, 064 | Mathesius, Alexander H., San Francisco, Cal. Slide and steam valve | May 6, 1879 | 89 | 27 | 15 | 714 |
| 215, 014 | Mathews, Felix A., Harrisburg, Pa. Car-brake | May 6, 1879 | 37 | 11 | 15 | 707 |
| | Mathews, N. M., *et al.* (*See* Bramble, Cyrus, assignor.) | | | | | |
| | Mathewson, Thomas, *et al.* (*See* Ritty, Sebastian, assignor.) | | | | | |
| 214, 677 | Mathias, David S., Rosedale, Kans., assignor to Kansas Iron Fence Company. Metal fence-post | Apr. 22, 1879 | 1125 | 315 | 15 | 640 |
| | Mathias, Frederic W. (*See* Schuhmacher, Johannes C., assignor.) | | | | | |
| | Mathieu, Leon, *et al.* (*See* De Beauregard, Felix A. T., assignor.) | | | | | |
| 213, 830 | Mathis, Alfred W., Paris, Tenn., assignor of one-half interest to T. J. Brizendine. Horse hay-rake | Apr. 1, 1879 | 108 | 32 | 15 | 486 |
| 212, 029 | Mathushek, Frederick and H., jr., Melrose, N. Y. Piano-forte | Feb. 4, 1879 | 231 | 65 | 15 | 155 |
| | Mathushek, Hugo, jr. (*See* Mathushek, Frederick and H., jr.) | | | | | |
| 214, 429 | Matkin, Henry, Crescent City, Ill. Coffee-mill | Apr. 15, 1879 | 835 | 234 | 15 | 596 |
| | Matter, James, *et al.* (*See* Thurber, Milton R., assignor.) | | | | | |
| 215, 528 | Matteson, Elias L., Randolph, N. Y. Bed-bottom | May 20, 1879 | 648 | 189 | 15 | 799 |
| | Matthai, John C., *et al.* (*See* Knapp, George W., assignor.) | | | | | |
| 212, 030 | Matthes, Francis W., Islington, England. Preparing paper or other smooth surfaces so that the prepared surface may be easily embossed | Feb. 4, 1879 | 232 | ..... | 15 | 155 |
| 214, 050 | Matthes, Henry, assignor of one-half interest to B. F. Nourse, jr., Cambridge, Mass. Compressed-air engine | Apr. 8, 1879 | 373 | 105 | 15 | 528 |
| | Matthews, Benjamin B. (*See* Merlette, John, jr., assigner.) | | | | | |
| 212, 962 | Matthews, Henry A., Waterbury, Conn. Sheet-metal knob | Mar. 4, 1879 | 225 | 62 | 15 | 325 |
| 214, 163 | Matthews, James H., and C. R. Morehead, jr., Fort Worth, Tex. Cotton-press | Apr. 8, 1879 | 505 | 143, 144 | 15 | 544 |
| 220, 541 | Same ..... Bale-band-tying machine | Oct. 14, 1879 | 380 | 99 | 16 | 694 |
| 216, 050 | Matthews, James M., Knoxville, Tenn. Plow | June 3, 1879 | 50 | 13 | 15 | 891 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Matthews, John, executor. (*See* Cameron, Adam S.) | | | | | |
| 8, 834 | Matthews, John, New York, N. Y. Soda-water fountain ..... (Reissue).. | Aug. 5, 1879 | 286 | 78 | 16 | 259 |
| 8, 837 | Same..... Soda-water apparatus ..... (Reissue).. | Aug. 5, 1879 | 291 | 79 | 16 | 260 |
| 211, 475 | Matthews, John, assignor to self, M. W. Beltzhoover, and J. Gilbert, Pittsburg, Pa. Track-clearer ..... | Jan. 21, 1879 | 469 | 133 | 15 | 63 |
| | Matthews, Mason J. (*See* Kelly & Matthews.) | | | | | |
| 211, 634 | Matthews, Mason J., Boston, Mass. Mechanical musical instrument ..... | Jan. 28, 1879 | 669 | 188 | 15 | 92 |
| 211, 635 | Same ..... same ..... | Jan. 28, 1879 | 671 | 188, 189 | 15 | 92 |
| 211, 636 | Same ..... same ..... | Jan. 28, 1879 | 673 | 189 | 15 | 92 |
| 216, 429 | Matthews, Mason J., Boston, and J. P. Richardson, Cambridgeport, assignors to Mason & Hamlin Organ Company, Boston, Mass. Attachment for musical instruments.... | June 10, 1879 | 481 | 138 | 15 | 953 |
| 216, 622 | Matthews, Mason J., Boston, Mass. Mechanical musical instrument ..... | June 17, 1879 | 701 | 200, 201 | 15 | 991 |
| 217, 700 | Matthews, Thomas E., Winchester, Tenn. Washing-machine ..... | July 22, 1879 | 892 | 254 | 16 | 147 |
| | Matthews, Thomas W., *et al.* (*See* Proseus, Alfred, assignor.) | | | | | |
| 211, 763 | Matthews, Washington, Camp Bidwell, Cal. Sight for fire-arms ..... | Jan. 28, 1879 | 814 | 228 | 15 | 111 |
| 211, 173 | Matthiessen, Conrad H., Odell, Ill. Wagon-track for roads ..... | Jan. 7, 1879 | 101 | 32 | 15 | 14 |
| 221, 894 | Matthiessen, Franz O., Irvington, N. Y. Centrifugal liquoring apparatus ..... | Nov. 18, 1879 | 877 | 246 | 16 | 950 |
| 221, 895 | Same ..... same ..... | Nov. 18, 1879 | 879 | 246 | 16 | 950 |
| | Matthiessen, Frederick W. (*See* Hegeler & Matthiessen.) | | | | | |
| | Matthiessen and Wiechers Sugar Refining Company, F. O. (*See* Goubert, Auguste A., assignor.) | | | | | |
| | Same ..... (*See* Quimby, Edward E., assignor.) | | | | | |
| 219, 643 | Mattoni, Carl, New York, N. Y. Metallic coffin ..... | Sept. 16, 1879 | 681 | 188 | 16 | 516 |
| 213, 581 | Mattson, Morris, New York, N. Y. Finishing hard-rubber trimmings ..... | Mar. 25, 1879 | 931 | 264 | 15 | 441 |
| 218, 449 | Same ..... Water-bag syringe ..... | Aug. 12, 1879 | 394 | 108 | 16 | 284 |
| | Maud, Edward S. (*See* Justi & Maud.) | | | | | |
| | Mauger, Mary A. (*See* Mauger, Victor E., assignor.) | | | | | |
| 219, 285 | Mauger, Victor E., assignor to M. A. Mauger, New York, N. Y. Apparatus for filling medicinal capsules ..... | Sept. 2, 1879 | 261 | 73 | 16 | 444 |
| 217, 630 | Maull, Ferdinand, Newark, N. J. Ventilator for windows ..... | July 15, 1879 | 793 | 225 | 16 | 125 |
| | Maury, Jean. (*See* Leonard & Maury.) | | | | | |
| 213, 121 | Maus, Samuel G., Lewisburg, Pa. Burial-vault ..... | Mar. 11, 1879 | 424 | 117 | 15 | 359 |
| 213, 221 | Mauser, Paul, Oberndorf, Würtemburg, Germany. Revolving fire-arm ..... | Mar. 11, 1879 | 531 | 148 | 15 | 373 |
| 220, 401 | Maxant, Etienne M. L., Paris, France. Invisible clock-winding mechanism ..... | Oct. 7, 1879 | 212 | 57 | 16 | 664 |
| 218, 758 | Maxheimer, John, Brooklyn, N. Y. Bird-cage ..... | Aug. 19, 1879 | 754 | 214 | 16 | 342 |
| 213, 122 | Maxhimer, Leonard L., and H. Trubey, Navarre, Ohio; said Maxhimer assignor to N. Trubey. Car-coupling ..... | Mar. 11, 1879 | 425 | 117 | 15 | 359 |
| 219, 286 | Maxhimer, Leonard L., H. and E. B. Trubey, Navarre, Ohio. Drag-sawing machine.. | Sept. 2, 1879 | 262 | 74 | 16 | 445 |
| 220, 981 | Maxhimer, Leonard L., H. and E. B. Trubey, Beach City, Ohio. Vehicle-wheel hub... | Oct. 28, 1879 | 914 | 244 | 16 | 781 |
| 212, 857 | Maxim, Hiram S., Brooklyn, N. Y. Carburetor ..... | Mar. 4, 1879 | 87 | 25, 26 | 15 | 309 |
| 219, 964 | Maxson, Milton R., Hornellsville, N. Y. Vehicle-spring ..... | Sept. 23, 1879 | 1041 | 289 | 16 | 574 |
| 216, 799 | Maxwell, Allan J., Meadville, Pa. Blank book ..... | June 24, 1879 | 916 | 261 | 15 | 1029 |
| 220, 485 | Maxwell, Henry B., Chicago, Ill. Envelope ..... | Oct. 14, 1879 | 316 | 83 | 16 | 686 |
| 214, 164 | Maxwell, Isaac P., assignor of one-half interest to P. Schlerf, Baltimore, Md. Cigar-pipe ..... | Apr. 8, 1879 | 506 | 144 | 15 | 544 |
| | Maxwell, James R. (*See* Cope & Maxwell.) | | | | | |
| 216, 051 | Maxwell, Joseph W., Louisville, Ky. Mechanical telephone ..... | June 3, 1879 | 51 | 14 | 15 | 891 |
| 211, 764 | Maxwell, Louis A., assignor of one-half interest to G. Finkbeiner, Philadelphia, Pa. Vehicle-axle ..... | Jan. 28, 1879 | 814 | 229 | 15 | 111 |
| | Maxwell, Marcellus J. (*See* Billings & Maxwell.) | | | | | |
| | Maxwell, Walter H. (*See* Roberts, Charles D., assignor.) | | | | | |
| 216, 623 | May, Elezer, Natick, Mass. Heel-breasting machine ..... | June 17, 1879 | 703 | 201 | 15 | 992 |
| | May, George W., *et al.* (*See* Sagendorph, L. Lewis, assignor.) | | | | | |
| 8, 576 | May, Harriet H., deceased, R. May, administrator, Birmingham, Conn. Corset. (Reissue) ..... | Feb. 11, 1879 | 543 | 153 | 15 | 199 |
| 212, 031 | May, Henry H., New Albin, Iowa. Grain-separator ..... | Feb. 4, 1879 | 232 | 65 | 15 | 155 |
| 215, 951 | May, John M., Cedar Rapids, Iowa. Submerged pump ..... | May 27, 1879 | 1125 | 326 | 15 | 868 |
| | May, Robert, administrator. (*See* May, Harriet H.) ..... (Reissue.) | | | | | |
| 213, 766 | Maydole, David, Norwich, N. Y. Forging hammers ..... | Apr. 1, 1879 | 37 | 12 | | |
| 217, 808 | Mayer, John, Philadelphia, Pa. Liniment ..... | July 22, 1879 | 1001 | ..... | 15 | 477 |
| | Mayer, Ludwig. (*See* Malcolmson, Thomas, assignor.) | | | | 16 | 162 |
| | Mayer, Rudolph. (*See* Gay, George B., assignor.) | | | | | |
| 217, 392 | Mayhew, Theophilus, New York, N. Y. Motor ..... | July 8, 1879 | 516 | 150 | 16 | 78 |
| | Maynard, William C. (*See* Weston & Maynard.) | | | | | |
| | Maynz, Edward. (*See* Briggs, Josiah, assignor.) | | | | | |
| 217, 018 | Maynz, Edward, Boston, Mass. Setting-instrument for attaching lacing-hooks ..... | July 1, 1879 | 98 | 29 | 16 | 15 |
| 213, 222 | Mayo, Charles H., Defiance, Ohio. Band-sawing machine ..... | Mar. 11, 1879 | 534 | 148 | 15 | 373 |
| 218, 636 | Mayo, Charles H., assignor of three-fourths interest to J. W. Briggs, Boston, Mass. Horseshoe-nail machine ..... | Aug. 19, 1879 | 626 | 176 | 16 | 324 |
| | Mayo, George D. (*See* Mayo, William H. and G. D.) | | | | | |
| | Mayo, John G., *et al.* (*See* Chandler, Moses, assignor.) | | | | | |
| 219, 589 | Mayo, John K., Brooklyn, N. Y. Seat and back of chairs, settees, car-seats, &c ..... | Sept. 16, 1879 | 608 | 170 | 16 | 506 |
| | Mayo, Josiah B., *et al.* (*See* Chandler, Moses, assignor.) | | | | | |
| 216, 624 | Mayo, Matthias C., and B. Noyes, Boston, assignors to G. M. Thomas, Melrose, and J. P. Bridge, Tyngsborough, Mass. Device for suspending swings, &c ..... | June 17, 1879 | 704 | 201 | 15 | 992 |
| 211, 633 | Mayo, Peter H., Richmond, Va. Device for pressing tobacco ..... | Jan. 28, 1879 | 667 | 187, 188 | 15 | 92 |
| 215, 828 | Mayo, Peter H., and T. Atkinson, Richmond, Va. Removable cover or front for pails. | May 27, 1879 | 988 | 288 | 15 | 851 |
| 214, 678 | Mayo, William H. and G. D., Saint Joseph, Mo. Knitting-machine ..... | Apr. 22, 1879 | 1125 | 315, 316 | 15 | 640 |
| | Mayor, Joseph. (*See* Mayor, Thomas, assignor.) | | | | | |
| 215, 142 | Mayor, Thomas, assignor of one-half interest to J. Mayor, Providence, R. I. Spindle for spinning-machines ..... | May 6, 1879 | 190 | 54 | 15 | 725 |
| 215, 381 | Mayrhofer, Charles A., assignor to V. Popp and E. Resch, Vienna, Austria. Pneumatic clock ..... | May 13, 1879 | 465 | 140 | 15 | 765 |
| | Mays, Francis A. (*See* Booker, David, assignor.) | | | | | |
| 217, 809 | McAdams, Wilson, jr., Rushsylvania, Ohio. Alarm-lock ..... | July 22, 1879 | 1002 | 287 | 16 | 162 |
| 218, 545 | McAleen, Michael, Peoria, Ill. Railway-frog ..... | Aug. 12, 1879 | 510 | 143 | 16 | 300 |
| 216, 749 | McAlister, Robert E., San Francisco, Cal. Coffin ..... | June 24, 1879 | 857 | 243 | 15 | 1021 |
| 220, 164 | McAllister, James, assignor to J. H. Rolfe, Chicago, Ill. Sewing-machine ..... | Sept. 30, 1879 | 1279 | 351, 352, 353 | 16 | 615 |
| | McAllister, John M., *et al.* (*See* Lettenmyer, George, assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 218, 546 | McAneny, Michael, and P. Schobert, Lansing, Iowa. Automatic railway-gate | Aug. 12, 1879 | 511 | 143 | 16 | 300 |
| 211, 756 | McAnespey, John, Philadelphia, Pa. Churn | Jan. 28, 1879 | 808 | 227 | 15 | 111 |
| 217, 130 | Same.....Ice-cream freezer | July 1, 1879 | 227 | 65 | 16 | 32 |
| 216, 430 | McArthur, Warren, Chicago, Ill. Animal-trap | June 10, 1879 | 485 | 139 | 15 | 953 |
| | McAulay, William. (*See* Wade & McAulay.) | | | | | |
| 211, 757 | McAuley, Thomas, San Francisco, Cal. Machine for cleaning fiber and hair | Jan. 28, 1879 | 809 | 227 | 15 | 111 |
| 213, 831 | McBee, Randolph, Washington, D. C. Stench-trap connection | Apr. 1, 1879 | 108 | 33 | 15 | 486 |
| | McBride, Alexander. (*See* Hicks, Thomas H., assignor.) | | | | | |
| 221, 838 | McBride, Gideon, Dover Hill, Ind., assignor to self and W. F. Faas, Minerva, Ohio. Tellurian | Nov. 18, 1879 | 817 | 227 | 16 | 941 |
| 218, 042 | McBride, John, Strathroy, Ontario, Canada. Side-spring vehicle | July 29, 1879 | 1274 | 364 | 16 | 204 |
| 221, 928 | McBride, John G., Sacramento, Cal. Oil-cup | Nov. 25, 1879 | 940 | 263 | 16 | 968 |
| 221, 929 | Same.....same | Nov. 25, 1879 | 941 | 264 | 16 | 968 |
| | McBride, John K. (*See* Hiser, Daniel B., assignor.) | | | | | |
| | Same.....(*See* Leach & Hiser, assignors.) | | | | | |
| 218, 547 | McBride, Thomas, Philadelphia, Pa. Portable boiler | Aug. 12, 1879 | 512 | 143 | 16 | 300 |
| 213, 223 | McBride, Thomas F., Binghamton, N. Y. Feather-renovator | Mar. 11, 1879 | 535 | 149 | 15 | 374 |
| 213, 123 | McCabe, James E., Clinton, N. Y. Hop-press | Mar. 11, 1879 | 426 | 117 | 15 | 359 |
| 218, 680 | McCabe, Thomas, Ottawa, Ontario, Canada. Fire-escape | Aug. 19, 1879 | 672 | 191 | 16 | 331 |
| 220, 766 | McCaffery, Thomas, San Francisco, Cal. Tuyere | Oct. 21, 1879 | 650 | 173 | 16 | 738 |
| 215, 529 | McCaffrey, Thomas J., sr., Rome, Ga. Bale-tie buckle | May 20, 1879 | 651 | 189 | 15 | 799 |
| | McCaine, Daniel, *et al.* (*See* McCaine, William, assignor.) | | | | | |
| | McCaine, David, *et. al.* (*See* McCaine, William, assignor.) | | | | | |
| 217, 232 | McCaine, William, assignor of two-thirds interest to D. and D. McCaine, Saint Paul, Minn. Treating pyroxyline | July 8, 1879 | 353 | ..... | 16 | 57 |
| 219, 750 | McCallum, Charles J., Warren, Me. Rotary valve for steam-engines | Sept. 16, 1879 | 789 | 218 | 16 | 531 |
| 222, 415 | McCallum, James, Chicago, Ill. Wagon-rack | Dec. 9, 1879 | 336 | 94 | 16 | 1065 |
| | McCambridge, Charles S. (*See* Ashton & Hayward, assignors.) | | | | | |
| 219, 821 | McCammon, Edward, Albany, N. Y. Music-desk for piano-fortes | Sept. 23, 1879 | 892 | 245 | 16 | 553 |
| 218, 993 | McCammon, Robert, Salem, Ohio. Boot and shoe back protector | Aug. 26, 1879 | 1044 | 294 | 16 | 391 |
| 218, 127 | McCann, Shubael G., Corvallis, Oreg. Grubbing-machine | Aug. 5, 1879 | 22 | 7 | 16 | 224 |
| 219, 965 | McCarter, John G., Boston, Mass. Apparatus for blacking the edges of leather | Sept. 23, 1879 | 1042 | 289 | 16 | 574 |
| 214, 573 | McCarthy, Charles H., and T. J. Osborn, La Porte, Ind. Car-coupling tool | Apr. 22, 1879 | 1014 | 285 | 15 | 626 |
| 217, 739 | McCarthy, John, Syracuse, N. Y. Coffin | July 22, 1879 | 933 | 267 | 16 | 153 |
| 216, 336 | McCartney, Elizabeth F., Omaha, Nebr. Thimble | June 10, 1879 | 383 | 109 | 15 | 940 |
| | McCartney, Henry H. (*See* McCartney, James B. and H. H.) | | | | | |
| 222, 926 | McCartney, James B. and H. H., Villisca, Iowa. Car-coupling | Dec. 23, 1879 | 950 | 273 | 16 | 1171 |
| | McCarty, Henry B. (*See* McCarty, James H. and H. B.) | | | | | |
| 222, 521 | McCarty, James H. and H. B., Stroudsburg, Pa. Fluid for embalming | Dec. 9, 1879 | 461 | ..... | 16 | 1081 |
| | McCarty, John. (*See* Butler, George P., assignor.) | | | | | |
| 220, 486 | McCarty, Michael G., Grand Rapids, Mich. Car-coupling | Oct. 14, 1879 | 317 | 84 | 16 | 686 |
| 215, 530 | McCarty, Oliver C., Polk, Ohio. Gate | May 20, 1879 | 652 | 190 | 15 | 799 |
| 211, 101 | McCarty, Samuel, Aurora, Ill. Fireman's shield | Jan. 7, 1879 | 23 | 8 | 15 | 4 |
| 211, 517 | McCarty, William, Boston, assignor of four-fifths interest to F. Amory, Beverly, and S. Snow, Cambridge, Mass. Flat-iron, &c | Jan. 21, 1879 | 519 | 146, 147 | 15 | 69 |
| 212, 247 | Same.....Flat-iron and heater | Feb. 11, 1879 | 487 | 135 | 15 | 191 |
| 220, 982 | McCarty, William F., New York, N. Y. Electric lamp | Oct. 28, 1879 | 915 | 244 | 16 | 781 |
| 218, 548 | McCaskey, John, New Castle, Pa. Permutation-lock | Aug. 12, 1879 | 512 | 144 | 16 | 301 |
| 211, 758 | McCaskill, William, and A. J. Meinhard, Virginia City, Nev. Mining-car truck | Jan. 28, 1879 | 809 | 227 | 15 | 111 |
| | McCaul, Alexander P. (*See* French, Aaron F., assignor.) | | | | | |
| 212, 858 | McCauley, Reuben A., Baltimore, Md. Pump | Mar. 4, 1879 | 89 | 26 | 15 | 309 |
| | McCausland & Co. (*See* Smith, Benjamin, assignor.) | | | | | |
| 212, 963 | McCaw, Charles H., and T. Brown, Port Perry, Ontario, Canada. Heating-stove | Mar. 4, 1879 | 226 | 63 | 15 | 325 |
| 221, 334 | Same.....same | Nov. 4, 1879 | 223 | 60 | 16 | 843 |
| 223, 156 | McClain, John F., Washington, D. C. Chair | Dec. 30, 1879 | 1219 | 345 | 16 | 1218 |
| 213, 672 | McClanahan, Pinkney, Scott's Hill, Tenn. Apple-mill and cider-press | Mar. 25, 1879 | 1032 | 293 | 15 | 455 |
| 213, 516 | McClave, William, Pittston, assignor of one-half interest to J. A. Price, Scranton, Pa. Grate | Mar. 25, 1879 | 854 | 243 | 15 | 432 |
| 220, 402 | McClean, Samuel P., Range, Ohio, assignor of one-half interest to W. R. Underhill. Metallic burial-safe | Oct. 7, 1879 | 214 | 57 | 16 | 664 |
| 221, 085 | McClelland, James A., Fowler, Ind. Shifting-back for vehicles | Oct. 28, 1879 | 1035 | 274 | 16 | 797 |
| 222, 067 | McClelland, John A., Louisville, Ky. Stamp-canceler | Nov. 25, 1879 | 1089 | 306 | 16 | 988 |
| | McClelland, John T. (*See* Mider & McClelland.) | | | | | |
| | McClelland, Thomas M. (*See* Grant & McClelland.) | | | | | |
| 222, 193 | McClintock, George W., Waterbury, Conn., assignor to American Ring Company. Umbrella-tip cup | Dec. 2, 1879 | 88 | 22 | 16 | 1020 |
| | McClintock, James R. (*See* Lee, Archibald R., assignor).....(Reissue.) | | | | | |
| 218, 891 | McCloskey, John, New York, N. Y. Sewer-pipe connection, &c | Aug. 26, 1879 | 940 | 264 | 16 | 377 |
| 220, 767 | Same.....Soft-metal trap | Oct. 21, 1879 | 651 | 173, 174 | 16 | 738 |
| | McCloud, Charles C., *et al.* (*See* Carver, Thomas F., assignor.) | | | | | |
| 211, 246 | McClure, Alice W., Saint Louis, Mo. Churn-dasher | Jan. 7, 1879 | 182 | 53 | 15 | 24 |
| | McClure, Daniel R., *et al.* (*See* Miller, John F., assignor.) | | | | | |
| 218, 305 | McClure, Daniel R., Mifflin Township, Allegheny County, assignor of two-thirds interest to D. Risher, Pittsburg, Pa. Whiffletree | Aug. 5, 1879 | 220 | 59 | 16 | 250 |
| 217, 131 | McClure, James W., Pineville, N. C. Track-bar for raising railway-rails | July 1, 1879 | 228 | 66 | 16 | 32 |
| 219, 169 | McClure, Pattison F., Junction City, Kans. Knot-tying mechanism for grain-binders | Sept. 2, 1879 | 123 | 37, 38 | 16 | 428 |
| 213, 340 | McClure, William, Pittsburg, Pa. Portable bath | Mar. 18, 1879 | 677 | 190 | 15 | 400 |
| 215, 382 | McCollester, Benjamin F., California, Mo. Fence | May 13, 1879 | 467 | 140 | 15 | 766 |
| | McCollin, Thomas H. (*See* Thomson & Houston, assignors.) | | | | | |
| 213, 055 | McCollum, James C., Wilmington, Cal. Car-coupling | Mar. 11, 1879 | 341 | 96 | 15 | 349 |
| | McCollum, Lydia A., executrix. (*See* Holmes, Daniel M., assignor.) | | | | | |
| 219, 966 | McComas, William G., Colerain, Ohio. Hay-carrier | Sept. 23, 1879 | 1044 | 290 | 16 | 575 |
| 221, 930 | McComb, Albert G., Columbus Grove, Ohio. Mallet | Nov. 25, 1879 | 942 | 264 | 16 | 968 |
| 212, 103 | McConaughey, Thomas B., Newark, Del. Corn-planter | Feb. 11, 1879 | 328 | 90 | 15 | 169 |
| 214, 783 | Same.....Ore-washer | Apr. 29, 1879 | 1257 | 351 | 15 | 664 |
| | McConnell, Howard I. (*See* Hartman & McConnell.) | | | | | |
| 215, 143 | McConnell, Hugh, Cleveland, Ohio. Vapor and gas burner | May 6, 1879 | 191 | 54 | 15 | 724 |
| 8, 858 | Same.....Wick-tube.....(Reissue) | Aug. 19, 1879 | 814 | 230 | 16 | 350 |
| 219, 967 | McConnell, John A., assignor to W. W. Grier, Hulton, Pa. Vehicle-spring | Sept. 23, 1879 | 1045 | 290 | 16 | 575 |
| 218, 549 | McConnell, Thomas G., Collinsville, Ill. Machine for paring, coring, and quartering apples | Aug. 12, 1879 | 515 | 144 | 16 | 301 |
| | McConnell, William V. (*See* De Force & McConnell.) | | | | | |
| 8, 640 | McConoughey, Hulbert N., Grant, Iowa, assignor to J. M. Hart, A. H. Smith, and S. J. Botts. Check-row corn-planter.....(Reissue) | Mar. 25, 1879 | 1098 | 311 | 15 | 464 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 218, 298 | McCook, Roderick S., and S. Seabury, United States Navy, Brooklyn, N. Y. Standard for binnacles | Aug. 5, 1879 | 211 | 57 | 16 | 249 |
| | McCool, Horace B. (*See* Elliott & McCool.) | | | | | |
| 222, 927 | McCord, George, New York, N. Y. Skate | Dec. 23, 1879 | 952 | 273 | 16 | 1172 |
| 216, 094 | McCormack, James H., Tiffin, Ohio. Revolving hay-rake | June 3, 1879 | 93 | 27 | 15 | 896 |
| 218, 043 | McCormack, William C., Stanford, Ky. Lamp-burner | July 29, 1879 | 1275 | 364 | 16 | 204 |
| | McCormick, Aaron. (*See* McCormick, William H. and A.) | | | | | |
| | McCormick, C. H., *et al.* (*See* Baker, William R., assignor.) | | | | | |
| | Same.....(*See* Baker & Withington, assignors).....(Reissue.) | | | | | |
| | Same.....(*See* Withington, Charles B., assignor.) | | | | | |
| 215, 645 | McCormick, Isaac R., Frankton, Ind. Car-coupling | May 20, 1879 | 783 | 229 | 15 | 817 |
| | McCormick, J. J., *et al.* (*See* Bates, Samuel A., assignor.) | | | | | |
| 222, 416 | McCormick, Leander J., Chicago, Ill. Grain-binder | Dec. 9, 1879 | 337 | 95, 96 | 16 | 1065 |
| | McCormick, L. J., *et al.* (*See* Baker, William R., assignor.) | | | | | |
| | Same.....(*See* Baker & Withington, assignors).....(Reissue.) | | | | | |
| | Same.....(*See* Withington, Charles B., assignor.) | | | | | |
| 212, 720 | McCormick, Robert E., Doylestown, Ohio. Cushion-spring for carriage-tops | Feb. 25, 1879 | 1052 | 292 | 15 | 277 |
| 220, 249 | McCormick, Thomas D., assignor of two-thirds interest to H. S. Belden and W. B. Blake, Canton, Ohio. Cider-press | Oct. 7, 1879 | 45 | 11, 12 | 16 | 641 |
| 216, 204 | McCormick, William H. and A., Philadelphia, Pa. Refrigerator | June 3, 1879 | 204 | 60, 61 | 15 | 911 |
| 221, 335 | McCortney, Martin W., Mount Pleasant, Mich. Pump | Nov. 4, 1879 | 223 | 61 | 16 | 843 |
| | McCoy, Frank, administrator. (*See* McCoy, J. M.) | | | | | |
| 221, 931 | McCoy, James T. and R. A., McCoy's Station, Ind. Cattle-chute | Nov. 25, 1879 | 942 | 264 | 16 | 968 |
| 218, 994 | McCoy, J. M., deceased, F. McCoy, administrator and assignor of one-half interest to W. R. Jenkins, jr., and J. H. Lingle, Bellefonte, Pa. Gear-wheel | Aug. 26, 1879 | 1045 | 295 | 16 | 391 |
| | McCoy, Robert A. (*See* McCoy, James T. and R. A.) | | | | | |
| | McCracken, Edwin D., *et al.* (*See* Thomas, William W., assignor.) | | | | | |
| 213 224 | McCracken, Edwin D., assignor to E. P. Rice, trustee, Chicago, Ill. Locomotive and dummy engine | Mar. 11, 1879 | 536 | 149 | 15 | 374 |
| | McCracken, Lyman J., *et al.* (*See* Cook, Isaac, assignor.) | | | | | |
| 216, 205 | McCreary, James F., New Brighton, Pa. Animal-power | June 3, 1879 | 205 | 61 | 15 | 911 |
| 219, 492 | McCue, Henry, Terre Haute, Ind. Brick-kiln | Sept. 9, 1879 | 500 | 139 | 16 | 484 |
| | McCue, William A. (*See* Leyburn, Edward J., assignor.) | | | | | |
| 214, 165 | McCullough, James P., assignor of two-thirds interest to L. N. Bedford and M. T. Diggle, Philadelphia, Pa. Envelope | Apr. 8, 1879 | 507 | 144 | 15 | 544 |
| 211, 759 | McCullough, Mary J., Lawrence, Kans. Tea and coffee pot | Jan. 28, 1879 | 810 | 228 | 15 | 111 |
| 213, 673 | McCullough, Samuel C., Ottumwa, Iowa. Washing-machine | Mar. 25, 1879 | 1033 | 293 | 15 | 455 |
| | McCumber, Cyrus. (*See* Scott & McCumber.) | | | | | |
| 214, 436 | McCune, Pardon C., Mount Etna, Iowa. Washing-machine | Apr. 15, 1879 | 841 | 236 | 15 | 596 |
| 215, 383 | Same.....Horse-power | May 13, 1879 | 467 | 140 | 15 | 766 |
| | McCutchen, William A., *et al.* (*See* Reed, John J., assignor.) | | | | | |
| | McCutcheon, J. N. (*See* Scivalley, Martin L., assignor.) | | | | | |
| 213, 225 | McDaniel, George W., Conyers, Ga. Plow | Mar. 11, 1879 | 537 | 149 | 15 | 374 |
| | McDaniel, James. (*See* Holler & McDaniel.) | | | | | |
| | McDermott, James. (*See* McDermott, John and J.) | | | | | |
| 213, 226 | McDermott, John, Wayne, Mich. Thill-coupling | Mar. 11, 1879 | 539 | 149 | 15 | 374 |
| 219, 644 | McDermott, John and J., Washington, D. C. Telegraph-pole | Sept. 16, 1879 | 681 | 189 | 16 | 516 |
| 220, 029 | Same.....same | Sept. 30, 1879 | 1118 | 309 | 16 | 593 |
| 218, 391 | McDonald, Alexander, Worcester, Mass. Finger-nail cutter | Aug. 12, 1879 | 329 | 90 | 16 | 275 |
| 222, 194 | McDonald, Alexander, Belmont, Mass. Machine for dressing and cutting stone | Dec. 2, 1879 | 88 | 22 | 16 | 1020 |
| | McDonald, Donald, *et al.* (*See* McDonald & Parsons, assignors.) | | | | | |
| | McDonald, Harry P. (*See* Kinsey & McDonald.) | | | | | |
| 221, 839 | McDonald, James S., Chicago, Ill. Cover for holding carbon sheets | Nov. 18, 1879 | 819 | 228 | 16 | 941 |
| 220, 930 | McDonald, James W., Woburn, assignor of one-half interest to T. W. Clarke, Boston, and F. F. Raymond, 2d, Newton, Mass. Unhairing and scouring machine | Oct. 28, 1879 | 847 | 227 | 16 | 773 |
| 220, 931 | McDonald, Laurence J., assignor to J. C. Graham, Philadelphia, Pa. Fringe-loom | Oct. 28, 1879 | 847 | 228 | 16 | 773 |
| 218, 299 | McDonald, Marshall, Lexington, Va. Fishway | Aug. 5, 1879 | 213 | 57 | 16 | 249 |
| 214, 421 | McDonald, Samuel J., Gallatin, Mo. Running-gear for wagons | Apr. 15, 1879 | 828 | 232 | 15 | 594 |
| 222, 794 | McDonald, Thomas E., New Brunswick, N. J. Washing-machine | Dec. 23, 1879 | 797 | 229 | 16 | 1149 |
| 221, 688 | McDonald, William, and S. E. Parsons, assignors to D. McDonald and N. E. Sisson, Albany, N. Y. Gas-stove | Nov. 18, 1879 | 637 | 178 | 16 | 918 |
| 213, 767 | McDonald, William R., Calais, Me. Pedal mechanism | Apr. 1, 1879 | 38 | 12 | 15 | 478 |
| 212, 615 | McDonough, Frank, Eau Claire, Wis. Circular sawing machine | Feb. 25, 1879 | 949 | 262 | 15 | 263 |
| 213, 436 | McDowell, Albert, Philadelphia, Pa. Adjustable pattern-plate for drafting garments | Mar. 18, 1879 | 766 | 216 | 15 | 412 |
| 215, 065 | McDowell, Malcolm, Chicago, Ill. Roll for utilizing the fag ends of steel railway-rails | May 6, 1879 | 90 | 27 | 15 | 714 |
| 215, 952 | McDowell, William C., and E. C. Ewell, Romeo, Mich. Fruit-drier | May 27, 1879 | 1126 | 326 | 15 | 868 |
| | McDowell, William L., *et al.* (*See* Gardner, Charles J., assignor.) | | | | | |
| | McDowell, William L. (*See* Hoover, Jacob H., assignor.) | | | | | |
| | McElheny, Thomas J. (*See* June, Solomon, assignor.) | | | | | |
| 222, 637 | McEntee, Charles, Plattsmouth, Nebr. Scraper | Dec. 16, 1879 | 622 | 177, 178 | 16 | 1113 |
| | McEvoy, Catherine, administratrix. (*See* McEvoy, Nicholas F.) | | | | | |
| 220, 853 | McEvoy Nicholas F. (C. McEvoy, administratrix), Millbury, Mass. Folding mirror | Oct. 21, 1879 | 747 | 199 | 16 | 750 |
| 219, 361 | McEwen, Ezra S., Lisbon, assignor to T. A. Galt and G. S. Tracy, Sterling, Ill. Check-rower | Sept. 9, 1879 | 358 | 101 | 16 | 465 |
| 211, 518 | McFail, John B., Vassar, Mich. Repairing bolting-cloths | Jan 21, 1879 | 521 | ..... | 15 | 69 |
| 218, 892 | McFarland, Edward, Philadelphia, Pa. Tray for fruit-driers | Aug. 26, 1879 | 941 | 264 | 16 | 378 |
| 219, 362 | Same.....Fruit-drier | Sept. 9, 1879 | 360 | 102 | 16 | 465 |
| 214, 511 | McFarland, Thomas A., Meadville, Pa. Bottle-stopper fastener | Apr. 22, 1879 | 949 | 267 | 15 | 618 |
| 220, 630 | McFarlane, Annie, San Bernardino, Cal. Dumping-wagon | Oct. 14, 1879 | 486 | 127 | 16 | 708 |
| 213, 996 | McFeely, Thomas, Union City, Ind. Diamond millstone-dressing machine | Apr. 8, 1879 | 300 | 87 | 15 | 520 |
| | McGannon, P. C. (*See* Butler, Manlove, assignor.) | | | | | |
| 214, 831 | McGibeny, Sylvester H., West Almond, N. Y. Stump-extractor | Apr. 29, 1879 | 1310 | 366 | 15 | 672 |
| 212, 316 | McGill, George W., New York, N. Y. Device for inserting metallic staples in papers, &c | Feb. 18, 1879 | 571 | 160 | 15 | 205 |
| 214, 166 | Same.....Staple-fastener | Apr. 8, 1879 | 508 | 144 | 15 | 544 |
| 220, 932 | Same.....Staple-inserting machine | Oct. 28, 1879 | 850 | 228 | 16 | 773 |
| 220, 933 | Same.....Staple-inserting device | Oct. 28, 1879 | 852 | 228, 229 | 16 | 774 |
| 220, 934 | Same.....Staple-inserting machine | Oct. 28, 1879 | 853 | 229 | 16 | 774 |
| 220, 935 | Same.....Buckle | Oct. 28, 1879 | 854 | 229 | 16 | 774 |
| 220, 632 | McGill, John W., New York, N. Y. Pencil attachment | Oct. 14, 1879 | 488 | 128 | 16 | 708 |
| 213, 918 | McGill, William C., Washington, D. C. Padlock | Apr. 1, 1879 | 201 | 58 | 15 | 498 |
| 213, 919 | McGinnis, Zenes, Petrolia, Pa. Rod-coupling for oil-wells | Apr. 1, 1879 | 202 | 59 | 15 | 498 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 211,338 | McGlone, Michael, Philadelphia, Pa. Adjustable stiff hat | Jan. 14, 1879 | 318 | 94 | 15 | 42 |
| 220,030 | McGowan, Charles I., New York, N. Y. Cartridge | Sept. 30, 1879 | 1119 | 309 | 16 | 593 |
| 8,838 | McGowan, John H., Cincinnati, Ohio. Tobacco-compress (Reissue) | Aug. 5, 1879 | 292 | 79 | 16 | 260 |
| 214,574 | McGowan, Theodore J., Cincinnati, Ohio. Hydrostatic press | Apr. 22, 1879 | 1015 | 285 | 15 | 626 |
| 222,195 | Same Flexible water-tight coupling for goose-necks | Dec. 2, 1879 | 90 | 22 | 16 | 1021 |
| 214,167 | McGowen, Edmond F., Houston, Tex. Baling-press | Apr. 8, 1879 | 509 | 145 | 15 | 544 |
| 212,032 | McGraw, John H., Oswego, N. Y. Flue-cutter | Feb. 4, 1879 | 234 | 65 | 15 | 155 |
| 212,964 | Same Flue roller and expander | Mar. 4, 1879 | 227 | 63 | 15 | 326 |
| 213,518 | McGregor, Charles W., Saint Louis, Mo. Swing | Mar. 25, 1879 | 857 | 244 | 15 | 432 |
| 213,517 | McGregor, John, and W. H. Kemper, Dayton, Ohio. Machine for sawing last-blocks | Mar. 25, 1879 | 856 | 243, 244 | 15 | 432 |
| | McGregor, Lewis. (*See* McGregor, Moses R., assignor.) | | | | | |
| 220,631 | McGregor, Montague M., and J. C. Croxton, Rockwall, Tex. Traction-engine | Oct. 14, 1879 | 487 | 128 | 16 | 708 |
| 217,631 | McGregor, Moses R., assignor to self and L. McGregor, Pine Bluff, Ark. Lap-ring | July 15, 1879 | 794 | 225 | 16 | 125 |
| 222,146 | McGregor, William F., Chicago, Ill. Automatic draw-bridge gate | Dec. 2, 1879 | 35 | 9 | 16 | 1014 |
| 213,341 | McGrew, Charles, Bloomington, Ill. Cultivator | Mar. 18, 1879 | 678 | 190 | 15 | 401 |
| | McGrew, John. (*See* Lane, Hutchens & McGrew.) | | | | | |
| 216,875 | McGuire, Thomas F., and J. Ditto, Oxford, Iowa. Scoop-board for wagons | June 24, 1879 | 997 | 283 | 15 | 1039 |
| 216,282 | McHenry, John, Cincinnati, Ohio. Brake for extensible gas-fixtures | June 10, 1879 | 313 | 93 | 15 | 931 |
| 215,953 | McHenry, Samuel, Sparta, Ill. Butter and egg package | May 27, 1879 | 1126 | 326 | 15 | 869 |
| | McIlvain & Spiegel. (*See* Nugent, Richard C., assignor.) | | | | | |
| | Same (*See* Spiegel, William, assignor.) | | | | | |
| 213,582 | McIlvain, Thomas, and W. Spiegel, Cincinnati, Ohio. Mud and water discharge for steam-boilers | Mar. 25, 1879 | 932 | 265 | 15 | 441 |
| 218,893 | McIlvenna, Felix, and W. P. Thompson, Liverpool, England. Drawing and tracing apparatus | Aug. 26, 1879 | 942 | 264 | 16 | 378 |
| | McInnes, John. (*See* Fitzgerald & McInnes.) | | | | | |
| | McIntire, Albert W., *et al.* (*See* Reicheneker, William C., assignor.) | | | | | |
| 214,575 | McIntire, Henry M., Easton, Pa. Car-heater | Apr. 22, 1879 | 1016 | 286 | 15 | 626 |
| 211,416 | McIntire, Jacob N., New York, N. Y. Billiard-bridge | Jan. 14, 1879 | 401 | 114 | 15 | 52 |
| 219,868 | McIntire, Joseph H., Crestline, Ohio. Flour scoop and sifter | Sept. 23, 1879 | 933 | 258 | 16 | 559 |
| 213,124 | McIntosh, Adam, Albany, N. Y. Combined thimble and thread-cutter | Mar. 11, 1879 | 427 | 118 | 15 | 359 |
| 212,855 | McIntosh, Edward B., Brooklyn, N. Y. Tobacco-cutter | Mar. 4, 1879 | 90 | 26, 27 | 15 | 310 |
| 214,679 | McIntyre, Daniel D., Sterling, Nebr. Washing-machine | Apr. 22, 1879 | 1127 | 316 | 15 | 640 |
| 216,431 | McIntyre, Innis T., Carrollton, Miss. Baling-press | June 10, 1879 | 486 | 139 | 15 | 953 |
| | McIntyre, John. (*See* Walker & McIntyre.) | | | | | |
| 221,840 | McIntyre, William, Carrollton, Mo. Condenser | Nov. 18, 1879 | 820 | 228 | 16 | 941 |
| 213,519 | McKain, Allen, Auburn, N. Y. Device for removing metallic substances from grain | Mar. 25, 1879 | 858 | 244 | 15 | 433 |
| | McKay, Gordon, *et al.*, trustees. (*See* Goddu, Louis, assignor.) | | | | | |
| | Same (*See* Richardson, Elton F., assignor.) | | | | | |
| | Same (*See* Wilbur, Andrew J., assignor.) | | | | | |
| | McKay, Gordon, trustee. (*See* McKay & Blake, assignors) (Reissue.) | | | | | |
| 8,909 | McKay, Gordon, and L. R. Blake, assignors to G. McKay, trustee, Cambridge, Mass. Sewing-machine (Reissue) | Nov. 11, 1879 | 590 | 165, 166 | 16 | 903 |
| | McKay Twin Sewing Machine Association. (*See* Applegate, John H., assignor.) | | | | | |
| 215,531 | McKay, William W., Frankville, Iowa. Gate | May 20, 1879 | 653 | 190 | 15 | 799 |
| | McKee Brothers. (*See* McKee, Henry S., assignor.) | | | | | |
| 215,761 | McKee, Henry S., Allegheny, assignor to McKee Brothers, Pittsburg, Pa. Machine for finishing glassware | May 27, 1879 | 906 | 266 | 15 | 842 |
| 212,616 | McKee, James S., Parkersburg, W. Va. Churn-dasher | Feb. 25, 1879 | 950 | 263 | 15 | 263 |
| 217,632 | McKeever, James L., New York, N. Y. Bed | July 15, 1879 | 794 | 226 | 16 | 125 |
| 222,295 | McKeever, John, Jersey City, N. J. Bolt-extractor | Dec. 2, 1879 | 201 | 53 | 16 | 1036 |
| 215,646 | McKeever, Thomas, Pittsburg, Pa. Machine for crozing barrels | May 20, 1879 | 784 | 229 | 15 | 817 |
| 222,294 | McKellar, Angus, Camp Douglas, near Salt Lake City, Utah. Vehicle-wheel hub | Dec. 2, 1879 | 200 | 52 | 16 | 1036 |
| 222,068 | McKelvey, Lewis, Pittsburg, Pa. Door for furnaces | Nov. 25, 1879 | 1099 | 306 | 16 | 988 |
| 213,674 | McKenzie, Duncan, Brooklyn, N. Y. Baker's oven | Mar. 25, 1879 | 1033 | 294 | 15 | 455 |
| 216,876 | McKenzie, George W., Harrington, Me. Rowlock | June 24, 1879 | 998 | 283 | 15 | 1039 |
| 216,877 | Same Pump | June 24, 1879 | 998 | 284 | 15 | 1039 |
| | McKenzie, James A. (*See* Smith & Frink, assignors) (Reissue.) | | | | | |
| 218,044 | McKenzie, William V., Rahway, N. J. Oil-press hoop | July 29, 1879 | 1276 | 364 | 16 | 204 |
| 212,721 | McKim, George W., Martin's Ferry, Ohio, assignor of one-half interest to E. J. and J. W. Hoyle. Metallic vessel or measure | Feb. 25, 1879 | 1053 | 292 | 15 | 277 |
| | McKimm, Edgar N. (*See* Holland & McKimm.) | | | | | |
| 212,482 | McKinley, Peter W., and G. L. Ellis, Ripley, Ohio. Gate | Feb. 18, 1879 | 777 | 215 | 15 | 232 |
| 217,810 | McKinley, Zeletes, Camden, Mich. Wash-boiler | July 22, 1879 | 1003 | 287 | 16 | 163 |
| 219,751 | McKinney, Edmund, Key Port, N. J. Box-fastener | Sept. 16, 1879 | 790 | 218 | 16 | 531 |
| 219,822 | McKinney, William D., Marion, Ind. Weather-strip | Sept. 23, 1879 | 892 | 246 | 16 | 554 |
| | McKinnis, William. (*See* Bacher & McKinnis.) | | | | | |
| 216,052 | McKinnon, Kenneth, Pleasant Hill, Ala. Fence-post | June 3, 1879 | 52 | 14 | 15 | 891 |
| 221,841 | McKinstry, Thomas B., Portland, Oreg. Paint and roofing compound | Nov. 18, 1879 | 821 | ..... | 16 | 942 |
| 213,920 | McKissock, Samuel, assignor of one-half interest to J. Hay, Allegheny, Pa. Automatic water-closet cistern | Apr. 1, 1879 | 203 | 59 | 15 | 498 |
| 219,493 | McKitrick, David F., Marysville, Ohio. Door-securer | Sept. 9, 1879 | 501 | 139 | 16 | 484 |
| 219,363 | McLane, Edwin P., Harnden, assignor of one-half interest to J. T. Kennedy, Mount Carmel, Conn. Machine for making nuts | Sept. 9, 1879 | 363 | 102 | 16 | 466 |
| | McLane, Hiram H. (*See* Morris & McLane.) | | | | | |
| | Same (*See* Morris, Robert C., assignor.) | | | | | |
| 212,812 | McLane, Hiram H., San Antonio, Tex. Combined shawl-strap and head-rest | Mar. 4, 1879 | 35 | 12 | 15 | 302 |
| 217,701 | McLaren, John, New York, N. Y. Apparatus for treating animal matters for fertilizers | July 22, 1879 | 893 | 254, 255 | 16 | 148 |
| | McLaughlin, E. (*See* Metcalf, John W., assignor.) | | | | | |
| 216,965 | McLaughlin, James J., assignor to New England Organ Company, Boston, Mass. Organ-bellows | July 1, 1879 | 43 | 14 | 16 | 8 |
| 214,168 | McLaws, Lafayette, Savannah, Ga. Apparatus for preventing the boiling over of liquids | Apr. 8, 1879 | 510 | 145 | 15 | 544 |
| | McLean, Alfred A. (*See* Wilkins & McLean.) | | | | | |
| | McLean, Colin. (*See* Meehan & McLean.) | | | | | |
| | McLean, Frank W. (*See* Flender, William H. B., assignor.) | | | | | |
| 212,483 | McLean, Henry C., Lowell, Mich. Kettle | Feb. 18, 1879 | 778 | 215 | 15 | 232 |
| | McLean, James H. (*See* Coloney, Myron, assignor.) | | | | | |
| | Same (*See* Hostetter, Thomas, assignor.) | | | | | |
| 222,718 | McLean, James H., assignor of one-eighth interest to M. Coloney, Saint Louis, Mo. Marine torpedo | Dec. 16, 1879 | 706 | 203 | 16 | 1126 |
| | McLellan, William W., *et al.* (*See* Starratt, Burpee R., assignor.) | | | | | |
| | McLeod, Charles A. (*See* Crane, John W., assignor.) | | | | | |

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| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 212,248 | McLinden, John D., New York, N. Y. Ventilating flue-cap | Feb. 11, 1879 | 488 | 135 | 15 | 191 |
| | McLoughlin Brothers. (*See* Rodgers, William H., assignor.) | | | | | |
| 213,921 | McLucas, John, Redfield, Iowa. Turbine water-wheel | Apr. 1, 1879 | 204 | 59 | 15 | 499 |
| 215,947 | McMackin, Peter, Lonsdale, R. I. Sewer-pipe | May 27, 1879 | 1120 | 324 | 15 | 868 |
| | McManigal, Robert D. (*See* Black & McManigal.) | | | | | |
| 215,647 | McManis, Robert, Brooklyn, assignor to H. and W. Sonntag, Edgewater, N. Y. Banjo | May 20, 1879 | 785 | 230 | 15 | 817 |
| 223,001 | McMaster, David M., Bath, N. Y. Fifth-wheel for vehicles | Dec. 30, 1879 | 1041 | 299 | 16 | 1195 |
| 215,762 | McMasters, William T., Martin's Ferry, Ohio. Coupler for shafting | May 27, 1879 | 908 | 266 | 15 | 842 |
| 213,294 | McMillan, Francis M., Cleveland, Ohio. Apparatus for obtaining dry ammoniacal gas | Mar. 18, 1879 | 628 | 177 | 15 | 394 |
| 215,471 | McMillan, Francis M., Cleveland, Ohio. Freezing and pressing paraffine-oil | May 20, 1879 | 585 | 172 | 15 | 790 |
| 215,384 | McMillan, Isaac G., Dakota, Iowa. Metal grooving and swaging machine | May 13, 1879 | 468 | 140 | 15 | 766 |
| 211,760 | McMillan, John W., Brookhaven, Miss. Combined chopper and cultivator | Jan. 28, 1879 | 811 | 228 | 15 | 111 |
| 217,393 | McMillan, William H., Brooklyn, N. Y. Sheave for pulley-blocks | July 8, 1879 | 518 | 150 | 16 | 78 |
| 221,969 | McMinn, William J., and O. Filbey, Jefferson, Pa. Tomb | Nov. 25, 1879 | 987 | 276 | 16 | 974 |
| 215,829 | McMullen, Adam, Sterling, Ill. Trace-buckle | May 27, 1879 | 989 | 289 | 15 | 851 |
| 212,617 | McMullen, James, New York, N. Y. Rail | Feb. 25, 1879 | 951 | 263 | 15 | 263 |
| 221,842 | McMullin, Joseph, Casey Post-Office, Iowa. Fruit-tongs | Nov. 18, 1879 | 822 | 229 | 16 | 942 |
| 222,832 | McMullin, Joseph, Casey, Iowa. Revolving rack for paper bags | Dec. 23, 1879 | 841 | 241 | 16 | 1155 |
| 222,296 | McMurray, James, East Portland, Oreg. Cooking-utensil | Dec. 2, 1879 | 201 | 53 | 16 | 1036 |
| | McNab & Harlin Manufacturing Company. (*See* Harlin & Yule, assignors.) | | | | | |
| 220,403 | McNair, Robert H. and W. A., Elsah, Ill. Check-rower | Oct. 7, 1879 | 215 | 58 | 16 | 664 |
| | McNair, William A. (*See* McNair, Robert H. and W. A.) | | | | | |
| 221,245 | McNally, Thomas W., Cincinnati, Ohio, assignor to M. J. Filburn and J. H. Horan, Louisville, Ky. Can | Nov. 4, 1879 | 117 | 31 | 16 | 828 |
| 212,104 | McNamara, Michael, Buffalo, N. Y. Chimney-cap | Feb. 11, 1879 | 329 | 90 | 15 | 169 |
| 222,069 | McNaught, James, Rahway, N. J. Chromatic-printing machine | Nov. 25, 1879 | 1091 | 306 | 16 | 988 |
| | McNaughton, Estelle E. (*See* Carpenter, Lewis J., assignor.) | | | | | |
| 218,550 | McNeafe, Henry T., London, England. Tramway-rail fastening | Aug. 12, 1879 | 517 | 145 | 16 | 301 |
| 212,033 | McNeely, Thomas M., Washington, D. C. Bale-tie | Feb. 4, 1879 | 235 | 65 | 15 | 156 |
| 219,106 | McNeil, James C., Akron, Ohio. Boiler-furnace | Sept. 2, 1879 | 52 | 17 | 16 | 419 |
| 218,306 | McNeill, James, New Paris, Ohio. Apparatus for teaching word-analysis | Aug. 5, 1879 | 221 | 60 | 16 | 250 |
| | McNeill, Thomas. (*See* Hickey & McNeill.) | | | | | |
| 8,948 | McNett, Lyman F., assignor, by mesne assignments, to W. H. Winn and C. C. Dusenbury, New York, N. Y. Corset-clasp (Reissue) | Oct. 28, 1879 | 1089 | 287 | 16 | 804 |
| 216,800 | McNiece, William, Philadelphia, Pa. Adjustable saw-handle | June 24, 1879 | 917 | 261 | 15 | 1029 |
| 214,832 | McNish, Thomas T., assignor of one-third interest to A. C. Kerr, Allegheny, Pa. Printer's galley | Apr. 29, 1879 | 1311 | 366 | 15 | 672 |
| 215,532 | McNish, Thomas T., Allegheny, Pa. Heel-plate | May 20, 1879 | 654 | 190 | 15 | 800 |
| 216,689 | McNish, Thomas T., assignor of one-third interest to A. C. Kerr, Allegheny, Pa. Printer's galley | June 17, 1879 | 771 | 220 | 15 | 1001 |
| 217,132 | McNish, Thomas T., assignor to self and A. C. Kerr, Allegheny, Pa. Printer's galley | July 1, 1879 | 229 | 66 | 16 | 32 |
| 212,722 | McNitt, Martin, Hanover, Kans. Combined harrow and corn-planter | Feb. 25, 1879 | 1054 | 292 | 15 | 277 |
| 218,995 | McNulty, Patrick, assignor to F. X. and L. S. Kast, San Francisco, Cal. Combined boot and legging | Aug. 26, 1879 | 1046 | 295 | 16 | 391 |
| | McOnat, Robert L. (*See* Parisette, Joseph, assignor.) | | | | | |
| | McPherson, Andrew, *et al.* (*See* Sweetland, Jerome B., assignor.) | | | | | |
| 223,157 | McPherson, James B., Baltimore, Md. Dental articulator | Dec. 30, 1879 | 1220 | 345 | 16 | 1218 |
| | McQuesten, Isaac B. (*See* Dunn, William, assignor.) | | | | | |
| 217,233 | McQuire, Michael, assignor of two-thirds interest to J. L. and J. S. Voorhees, Baldwinsville, N. Y. Stove-pipe thimble | July 8, 1879 | 354 | 105 | 16 | 57 |
| | McRae, Philip. (*See* Sinn & Studer, assignors.) | | | | | |
| 221,336 | McRonald, Alexander, assignor to self and G. Dingwall, Toronto, Ontario, Canada. Brake for children's carriages | Nov. 4, 1879 | 224 | 61 | 16 | 843 |
| 213,768 | McShane, John, Saint Louis, Mo. Fire-kindler | Apr. 1, 1879 | 39 | 13 | 15 | 478 |
| | McTighe, Thomas J. (*See* Connolly & McTighe.) | | | | | |
| | Same (*See* Jackson & McTighe.) | | | | | |
| 220,936 | McTighe, Thomas J., Pittsburg, Pa. Coupling for underground-telegraph lines | Oct. 28, 1879 | 855 | 230 | 16 | 774 |
| 211,247 | McVoy, John, assignor of one-half interest to E. M. Crandal, Chicago, Ill. Galvanizing barbed fence-wire in the coil | Jan. 7, 1879 | 183 | 54 | 15 | 24 |
| 217,633 | McWatters, Thomas, Washington, D. C. Spirit-level | July 15, 1879 | 795 | 226 | 16 | 125 |
| | Meacham, T. William. (*See* Benedict, Heman A., assignor.) | | | | | |
| 218,759 | Mead, Edwin D., Shortsville, N. Y. Machine for sowing fertilizer | Aug. 19, 1879 | 754 | 215 | 16 | 342 |
| | Mead, Henry A. (*See* Mumford, Lucian C., assignor.) | | | | | |
| 214,420 | Mead, Hezekiah P., and D. Graham, Morrisville, N. Y. Steam-generator | Apr. 15, 1879 | 827 | 232 | 15 | 594 |
| 216,283 | Mead, Huram S., Gloversville, N. Y. Cultivator | June 10, 1879 | 314 | 93 | 15 | 931 |
| 9,001 | Mead, John W., New York, N. Y. Packing for condenser-tubes (Reissue) | Dec. 23, 1879 | 1013 | 290 | 16 | 1180 |
| 217,890 | Mead, Reuben C., New Hampton, N. Y. Locomotive-pilot | July 29, 1879 | 1108 | 318 | 16 | 183 |
| 215,233 | Meade, Henry H., Corry, Pa. Curtain-fixture | May 13, 1879 | 303 | 89 | 15 | 743 |
| 219,287 | Meaker, John W., Chicago, Ill., assignor of two-thirds interest to H. B. Merrell, Morristown, N. J., and T. Ferguson, Detroit, Mich. Apparatus for holding and delivering coin | Sept. 2, 1879 | 463 | 74 | 16 | 445 |
| 222,522 | Meaker, John W., Chicago, Ill. Fare-register | Dec. 9, 1879 | 461 | 132 | 16 | 1081 |
| 220,854 | Means, John F., Thomaston, Ga. Cotton-gin | Oct. 21, 1879 | 747 | 199 | 16 | 750 |
| 8,859 | Mears, J. Howell, Philadelphia, Pa. Chlorinating ores (Reissue) | Aug. 19, 1879 | 815 | ..... | 16 | 350 |
| | Mears, Lemuel R. (*See* Krieg & Mears.) | | | | | |
| 217,891 | Mecartney, John B., Strasburg, assignor of one-half interest to J. W. Eshelman, West Lampeter, Pa. Middlings-purifier | July 29, 1879 | 1109 | 318 | 16 | 183 |
| 216,750 | Mechwart, Andreas, Buda-Pesth, Hungary. Rolling-mill | June 24, 1879 | 858 | 243 | 15 | 1021 |
| 8,909 | Medart, Philip, Saint Louis, Mo., assignor of one-third interest to G. W. Fisher. Belt-pulley (Reissue) | Sept. 30, 1879 | 1345 | 370 | 16 | 625 |
| 216,095 | Medart, Philip, assignor of one-half interest to W. Medart, Saint Louis, Mo. Belt-pulley | June 3, 1879 | 94 | 27 | 15 | 897 |
| | Medart, William. (*See* Medart, Philip, assignor.) | | | | | |
| | Meddick, George L., *et al.* (*See* Histed, Thaddeus C., assignor.) | | | | | |
| | Meddick, Sanford C., *et al.* (*See* Histed, Thaddeus C., assignor.) | | | | | |
| 215,954 | Meding, George, San Francisco, Cal. Roller and pulverizer | May 27, 1879 | 1127 | 326 | 15 | 869 |
| 215,648 | Meech, Harrison B., Chatham Village, assignor to Universal Paper Company (limited), Chatham, N. Y. Carpet lining | May 20, 1879 | 785 | 230 | 15 | 817 |
| 212,723 | Meech, Harrison B., Chatham Village, N. Y. Machine for the manufacture of carpet-linings | Feb. 25, 1879 | 1055 | 292, 293 | 15 | 278 |
| 217,394 | Meehan, James, Newport, Ky. Rail-joint | July 8, 1879 | 519 | 150 | 16 | 78 |
| 218,551 | Meehan, Thomas, Brooklyn, and C. McLean, Jamaica, N. Y. Gate for railway-crossings | Aug. 12, 1879 | 518 | 145 | 16 | 301 |
| | Meek, James R. (*See* Martin, James D., assignor.) | | | | | |
| 218,552 | Meek, John, Nebraska City, Nebr. Washing-machine | Aug. 12, 1879 | 520 | 145 | 16 | 302 |
| 216,878 | Meeker, Charles A., Green's Farms, Conn. Smoothing-harrow | June 24, 1879 | 999 | 284 | 15 | 1039 |
| | Meeker, Charles E., *et al.* (*See* Hall, Walton, assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 215,144 | Meeker, John G., Danbury, Conn. Machine for felting and hardening hat-bodies, &c. | May 6, 1879 | 192 | 54 | 15 | 725 |
| | Meese, John, jr., *et al.* (*See* Hobbs, Samuel, assignor.) | | | | | |
| 216,284 | Megill, Sebring C., assignor of one-half interest to A. B. Baldwin, Chicago, Ill. Jack-screw | June 10, 1879 | 315 | 93 | 15 | 932 |
| | Megow, Frank E. R. (*See* Older & Megow.) | | | | | |
| 220,633 | Meharry, William J., State Line, Ind. (Sheldon, Ill., Post-Office). Sulky-plow | Oct. 14, 1879 | 489 | 128 | 16 | 708 |
| 212,148 | Meherg, James S., Coosa County, Ala. Gate for water-wheels | Feb. 11, 1879 | 380 | 103 | 15 | 177 |
| 211,860 | Mehling, John A., assignor of one-third interest to S. J. Wagner, Cleveland, Ohio. Artificial-stone veneer | Feb. 4, 1879 | 45 | 14 | 15 | 132 |
| 216,206 | Mehurin, Oscar C., Newark, Ohio. Open-front stove | June 3, 1879 | 206 | 61, 62 | 15 | 911 |
| 220,937 | Meier, Felix, Detroit, Mich. Horseshoe | Oct. 28, 1879 | 857 | 230 | 16 | 774 |
| 213,342 | Meigher, James D., assignor to self and J. Dixon, Titusville, Pa. Varnish | Mar. 18, 1879 | 679 | ..... | 15 | 401 |
| | Meigs, George W. (*See* Willson & Meigs.) | | | | | |
| 213,675 | Meikle, Thomas, Louisville, Ky. Carriage-cultivator | Mar. 25, 1879 | 1035 | 294 | 15 | 455 |
| 214,259 | Meikle, Thomas, and B. Coleman, Louisville, Ky. Plow | Apr. 15, 1879 | 636 | 178 | 15 | 570 |
| 214,512 | Meinberg, Franz, New York, N. Y. Corset-spring | Apr. 22, 1879 | 949 | 268 | 15 | 618 |
| 220,721 | Meinecke, Ferdinand, Milwaukee, Wis. Reversible handle for children's carriages | Oct. 21, 1879 | 599 | 160 | 16 | 731 |
| 217,133 | Meinen, Jules, New York, N. Y. Revolving urn for hot water, tea, &c | July 1, 1879 | 230 | 66 | 16 | 32 |
| | Meinert, M., *et al.* (*See* Hofmann, Franz, assignor.) | | | | | |
| | Meinhard, Andrew J. (*See* McCaskill & Meinhard.) | | | | | |
| 214,418 | Meissner, John, assignor to self and H. Fleishman, New York, N. Y. Car-brake | Apr. 15, 1879 | 825 | 231 | 15 | 594 |
| 8,683 | Mékarski, Louis, assignor to Société Generale des Moteurs a Air Comprimé, Paris, France. Device for using compressed air for motive powers (Reissue) | Apr. 22, 1879 | 1199 | 337 | 15 | 650 |
| | Melcher, Charles G. (*See* Bearup, Henry I., assignor.) | | | | | |
| 221,843 | Melcher, John C., O'Quinn (Black Jack Spring Post-Office), Tex. Apparatus for destroying insects | Nov. 18, 1879 | 822 | 229 | 16 | 942 |
| | Mellen, Albion L., *et al.* (*See* Wayland, James, assignor.) | | | | | |
| 215,679 | Meller, Leonard, Ludwigshafen-on-the-Rhine, Bavaria, and E. Hofmann, Mannheim, Baden, Germany, assignors to G. Barthelemae, Chicago, Ill. Making beer | May 20, 1879 | 813 | 238 | 15 | 821 |
| 213,437 | Mellon, William, Philadelphia, Pa. Step-cover for vehicles | Mar. 18, 1879 | 768 | 216 | 15 | 413 |
| | Menage, Louis F. (*See* Randolph, John S., assignor.) | | | | | |
| | Menamin, Robert S. (*See* Heston, David, assignor.) | | | | | |
| 220,983 | Mencière, Jean B., Contras, France. Permanent-way adjuster | Oct. 28, 1879 | 918 | 244, 245 | 16 | 781 |
| 216,625 | Mendel, Edward, Chicago, Ill. Ink for printing protective tints on commercial blanks. | June 17, 1879 | 705 | ..... | 15 | 992 |
| | Mendenhall, Alexander D. (*See* Gunn & Mendenhall.) | | | | | |
| | Mendham, William. (*See* Chambers & Mendham.) | | | | | |
| 222,523 | Mendham, William, and C. Chambers, jr., Philadelphia, Pa.; said Mendham assignor to said Chambers. Turn-sheet folding-machine | Dec. 9, 1879 | 464 | 132 | 16 | 1081 |
| 216,285 | Meneely, George R., Albany, N. Y. Car-axle-journal bearing | June 10, 1879 | 316 | 94 | 15 | 932 |
| 217,740 | Mentry, Charles A., Newhall Station, Cal. Reamer for deep wells | July 22, 1879 | 933 | 268 | 16 | 153 |
| 216,432 | Menuez, Vincent A., assignor of one-half interest to J. J. Griffith, Michigan City, Ind. Cradle | June 10, 1879 | 487 | 139 | 15 | 953 |
| | Mercer, John T., *et al.* (*See* Blaistell & Young, assignors) (Reissue.) | | | | | |
| 213,227 | Mercer, William J., Homer, assignor of one-half interest to J. S. Young, Claiborne Parish, La. Seed-planter | Mar. 11, 1879 | 539 | 150 | 15 | 374 |
| 221,177 | Mergott, Ludwig F., Newark, N. J. Lock for cigar-boxes | Nov. 4, 1879 | 44 | 12 | 16 | 818 |
| | Meriden Britannia Company. (*See* Hirschfeld, Henry W., assignor.) | | | | | |
| | Same (*See* Wilcox & Jepson, assignors.) | | | | | |
| 220,634 | Merlette, John, jr., assignor of one-half interest to B. B. Matthews, Bound Brook, N. J. Toilet-stand | Oct. 14, 1879 | 490 | 129 | 16 | 708 |
| 221,589 | Same Egg and fruit carrier | Nov. 11, 1879 | 526 | 144, 145 | 16 | 894 |
| 220,404 | Mern, John P., assignor to self and C. J. Todd, New York, N. Y. Faucet | Oct. 7, 1879 | 216 | 58 | 16 | 664 |
| | Merrell, Frederick W. (*See* Pierce, Denison C., assignor.) | | | | | |
| | Merrell, Harvey B., *et al.* (*See* Meaker, John W., assignor.) | | | | | |
| 211,665 | Merriam, Lincoln A., New York, N. Y. Cartridge | Jan. 28, 1879 | 707 | 198 | 15 | 97 |
| 212,105 | Same Magazine fire-arm | Feb. 11, 1879 | 330 | 91 | 15 | 169 |
| 214,260 | Same Ordnance | Apr. 15, 1879 | 637 | 279 | 15 | 570 |
| 214,680 | Same Cartridge | Apr. 22, 1879 | 1128 | 316 | 15 | 641 |
| 215,015 | Same Projectile | May 6, 1879 | 38 | 11 | 15 | 707 |
| 215,649 | Same Lock | May 20, 1879 | 786 | 230 | 15 | 817 |
| 217,134 | Same Breech-loading fire-arm | July 1, 1879 | 231 | 66 | 16 | 32 |
| 219,107 | Same Cartridge | Sept. 2, 1879 | 53 | 17 | 16 | 419 |
| 8,745 | Merriam, Truman, Milwaukee, Wis. Covering for steam-boilers (Reissue) | June 10, 1879 | 553 | 158 | 15 | 963 |
| 8,994 | Same same (Reissue) | Dec. 9, 1879 | 530 | 149 | 16 | 1090 |
| 222,360 | Merrifield, Charles E., Indianapolis, Ind. Grain-separator | Dec. 9, 1879 | 279 | 78 | 16 | 1057 |
| 213,997 | Merrill, Alfred P., New York, N. Y. Dental-floss carrier | Apr. 8, 1879 | 302 | 87 | 15 | 520 |
| | Merrill, Alonzo B. (*See* Harrington & Merrill.) | | | | | |
| 214,169 | Merrill, Cyrus S., Albany, N. Y. Spring attachment for box-covers | Apr. 8, 1879 | 511 | 145 | 15 | 545 |
| 211,578 | Merrill, George L., assignor to self and O. F. Soule, Syracuse, N. Y. Metallic can | Jan. 21, 1879 | 587 | 166 | 15 | 78 |
| 8,700 | Merrill, G. Lewis, Syracuse, N. Y., assignor to self and O. F. Soule. Metallic can. (Reissue) | May 6, 1879 | 259 | 75 | 15 | 736 |
| 212,391 | Merrill, Isaac W., Norway, Me. Steam-trap | Feb. 18, 1879 | 661 | 185 | 15 | 217 |
| 212,965 | Merrill, Jesse H., Independence, Iowa. Heating-furnace | Mar. 4, 1879 | 228 | 63 | 15 | 326 |
| | Merrill, Joshua, *et al.* (*See* Merrill, Rufus S., assignor) (Reissue.) | | | | | |
| 8,728 | Merrill, Rufus S., Cambridge, Mass., assignor, by mesne assignments, to W. B., J., and R. S. Merrill. Heavy hydrocarbon oils for illumination (Reissue) | May 27, 1879 | 1182 | ..... | 15 | 876 |
| | Merrill, William B, *et al.* (*See* Merrill, Rufus S., assignor) (Reissue.) | | | | | |
| 218,760 | Merrill, William G., Akron, Ohio. Clay-mill | Aug. 19, 1879 | 757 | 215 | 16 | 342 |
| 215,145 | Merritt, James C., Warsaw, N. Y. Washing-machine | May 6, 1879 | 193 | 55 | 15 | 725 |
| 217,668 | Merritt, Samuel F., Springfield, Mass. Awl-handle | July 15, 1879 | 835 | 239 | 16 | 131 |
| 221,689 | Merritt, William H., Rodman Hall, St. Catherines, Ontario, Canada. Kiln for boiling or calcining gypsum | Nov. 18, 1879 | 638 | 178 | 16 | 918 |
| 216,208 | Merritt, William T., Poughkeepsie, N. Y. Feathering paddle-wheel | June 3, 1879 | 208 | 62 | 15 | 911 |
| | Mersereau, Jacob. (*See* Abendroth & Mersereau.) | | | | | |
| 218,128 | Mersereau, William T., Orange, N. J. Manufacture of metal rings | Aug. 5, 1879 | 23 | 7 | 16 | 224 |
| 220,722 | Same Friction-match | Oct. 21, 1879 | 600 | 160 | 16 | 731 |
| | Mershon, Albert H. (*See* Mershon, George B., assignor.) | | | | | |
| 213,228 | Mershon, George B., assignor of one-half interest to A. H. Mershon, Philadelphia, Pa. Grate | Mar. 11, 1879 | 540 | 150 | 15 | 374 |
| 218,045 | Mertz, Henry S., and H. T. Worman, Allentown, Pa. Fastening for mail-bags | July 29, 1879 | 1276 | 365 | 16 | 204 |
| | Merwin, Augustus W. (*See* Phillips, William C., assignor.) | | | | | |
| 216,207 | Méry, Alfred E., Paris, France. Composition for applying colors | June 3, 1879 | 208 | ..... | 15 | 911 |
| 218,996 | Merz, Nicholas, and R. H. Williams, Salem, Ill. End-gate for wagons | Aug. 26, 1879 | 1046 | 295 | 16 | 392 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 217, 472 | Messer, Henry, Chicago, Ill. Box-nailing machine | July 15, 1879 | 618 | 177 | 16 | 103 |
| 221, 844 | Same.....Nail-feeding attachment for box-nailing machines | Nov. 18, 1879 | 823 | 229 | 16 | 942 |
| 215, 650 | Messer, Louis, New York, N. Y.; and C. W. Jenks, Philadelphia, Pa., assignors to Zinn & Messer, New York, N. Y. Handle for pocket-books, satchels, and other similar articles | May 20, 1879 | 787 | 230 | 15 | 817 |
| | Messer, W. W. (*See* Marden, Decatur, assignor.) | | | | | |
| 213, 229 | Messinger, Charles R., Toledo, Ohio. Tobacco-dressing machine | Mar. 11, 1879 | 542 | 150 | 15 | 374 |
| | Metallic Heel Stiffening Company. (*See* Bigelow, Charles E., assignor.) | | | | | |
| 221, 337 | Metcalf, Elliott, assignor of one-half interest to Y. Bickham, Findlay, Ohio. Window-shade attachment | Nov. 4, 1879 | 225 | 61 | 16 | 843 |
| 220, 299 | Metcalf, John W., assignor of one-half interest to E. McLaughlin, San José, Cal. Planing and matching machine | Oct. 7, 1879 | 100 | 26 | 16 | 648 |
| 217, 231 | Metcalf, William, Toledo, Ohio. Key-fastener | July 8, 1879 | 353 | 104 | 16 | 57 |
| | Metcalf, William H., *et al.* (*See* Shaw, Elijah, assignor) (Reissue.) | | | | | |
| | Metcalfe, James. (*See* Hamer, Metcalfe & Davies.) | | | | | |
| 218, 823 | Metcalfe, Samuel, Poquonock, assignor of two-thirds interest to A. C. and S. G. Dunham, Hartford, Conn. Wool-combing machine | Aug. 26, 1879 | 852 | 240 | 16 | 365 |
| 221, 590 | Metcalfe, Thomas F., Chesterfield, Ill. Gate | Nov. 11, 1879 | 527 | 145 | 16 | 894 |
| 215, 146 | Métért, Henri J. A., Geneva, Switzerland, assignor to M. J. Paillard & Co., New York, N. Y. Musical box | May 6, 1879 | 194 | 55 | 15 | 726 |
| | Metropolitan Patent Right Company. (*See* Bastet, Louis, assignor.) | | | | | |
| | Mette, August. (See Parkhurst, Amos F., assignor.) | | | | | |
| 215, 016 | Mettee, George H., Baltimore, Md. Water-cooler | May 6, 1879 | 38 | 12 | 15 | 707 |
| 216, 433 | Metz, Albert, Newark, N. J. Scaffold | June 10, 1879 | 488 | 139 | 15 | 954 |
| 213, 054 | Metzler, Samuel, Chicago, Ill. Iron fence-post | Mar. 11, 1879 | 341 | 96 | 15 | 349 |
| 212, 317 | Mey, Frederick H. C., Buffalo, N. Y. Hoisting-bucket | Feb. 18, 1879 | 575 | 161 | 15 | 206 |
| 216, 209 | Meyer, Alfred W., Labaddie, Mo. Straw-elevator for thrashers and separators | June 3, 1879 | 210 | 63 | 15 | 911 |
| | Meyer & Co., Henry C. (*See* Hellyer, Samuel S., assignor.) | | | | | |
| 213, 230 | Meyer, Edward W., New York, N. Y. Service box and valve for closet-cisterns | Mar. 11, 1879 | 543 | 150 | 15 | 375 |
| 214, 941 | Meyer, Frederick, Doylestown, Pa. Heat-regulator for incubators | Apr. 29, 1879 | 1425 | 396 | 15 | 687 |
| 220, 031 | Meyer, Frederick and M., and E. M. Starr, Saint Louis, Mo. Hoisting apparatus and fire-escape | Sept. 30, 1879 | 1121 | 310 | 16 | 593 |
| 220, 405 | Meyer, Frederick, jr., Newark, N. J. Platform-scales | Oct. 7, 1879 | 217 | 58 | 16 | 664 |
| 211, 417 | Meyer, George F., assignor of one-half interest to C. H. Delamater and G. H. Robinson, New York, N. Y. Apparatus for cooling air | Jan. 14, 1879 | 402 | 115 | 15 | 52 |
| | Meyer, John F. (*See* Sheffield, George V., assignor.) | | | | | |
| 211, 581 | Meyer, John N., Hamilton, N. Y. Vehicle-wheel hub | Jan. 21, 1879 | 589 | 166 | 15 | 78 |
| 214, 940 | Same.....Horseshoe | Apr. 29, 1879 | 1424 | 396 | 15 | 687 |
| | Meyer, Moritz. (*See* Meyer & Starr.) | | | | | |
| | Meyer, Rudolf. (*See* Beach, William W., assignor.) | | | | | |
| | Meyer & Neubauer. (*See* Grebner, Michael, assignor) (Reissue.) | | | | | |
| 214, 423 | Meyering, Albert, New York, N. Y. Hat or cap | Apr. 15, 1879 | 830 | 233 | 15 | 595 |
| 214, 681 | Same.....Cap | Apr. 22, 1879 | 1128 | 316 | 15 | 641 |
| | Meyers, Nicholas. (*See* Hoffman & Meyers.) | | | | | |
| 214, 576 | Meyrose, Ferdinand, Saint Louis, Mo. Lantern | Apr. 22, 1879 | 1017 | 286 | 15 | 626 |
| 218, 681 | Michael, George M. A., and P. K. Beam, Long Glade, Va. Car-coupling | Aug. 19, 1879 | 673 | 191 | 16 | 331 |
| 222, 070 | Michales, Moses A., and J. M. Bald; said Michales assignor to J. Thompson, Allegheny, Pa. Nursing-bottle | Nov. 25, 1879 | 1092 | 306 | 16 | 989 |
| 211, 248 | Michel, Justin, Nevada City, Cal. Amalgamator | Jan. 7, 1879 | 184 | 54 | 15 | 24 |
| 212, 724 | Michela, Antonio, Turin, Italy. Type-writing machine | Feb. 25, 1879 | 1056 | 293 | 15 | 278 |
| 222, 297 | Michels, Jacob, Detroit, assignor of one-half interest to C. E. Chittenden, Ecorse, and M. W. Field, Detroit, Mich. Hoop sawing and finishing machine | Dec. 2, 1879 | 202 | 53 | 16 | 1037 |
| | Michigan Stove Company. (*See* Herrick, George W., assignor.) | | | | | |
| | Same.....(*See* Roberts, Theodore H., assignor.) | | | | | |
| | Mickle, John, jr., *et al.* (*See* Atwater, Richard M., assignor.) | | | | | |
| 219, 288 | Middleton, Allen, Philadelphia, Pa. Railway-switch-operating mechanism | Sept. 2, 1879 | 264 | 75 | 16 | 445 |
| 222, 928 | Middleton, Benjamin, Muscatine, Iowa. Hot-bed | Dec. 23, 1879 | 952 | 273 | 16 | 1172 |
| | Middleton, Charles D. (*See* Powell, Thomas, assignor.) | | | | | |
| | Middleton, Robert. (*See* Torrans, Thomas J., assignor.) | | | | | |
| 221, 246 | Middleton, Robert, Leeds, York County, England. Machine for stocking, unhairing, and softening hides | Nov. 4, 1879 | 117 | 31 | 16 | 828 |
| | Middleton, Wesley. (*See* Middleton, William D., assignor.) | | | | | |
| 214, 942 | Middleton, William D., Elkhart, Ind. Clothes-pounder | Apr. 29, 1879 | 1426 | 396 | 15 | 687 |
| 221, 986 | Middleton, William D., assignor of one-half interest to W. Middleton, Elkhart, Ind. Stove-pipe shelf | Oct. 28, 1879 | 1035 | 274 | 16 | 797 |
| 212, 249 | Mider, Jacob T., and J. T. McClelland, Wathena, Kans. Wind-wheel | Feb. 11, 1879 | 489 | 135 | 15 | 191 |
| 214, 424 | Mihan, Patrick, Cambridgeport, Mass. Sewer-gas trap | Apr. 15, 1879 | 831 | 233 | 15 | 595 |
| 222, 795 | Same.....same | Dec. 23, 1879 | 799 | 229 | 16 | 1149 |
| 216, 287 | Milby, Frank W., Navidad, Tex. Animal-trap | June 10, 1879 | 319 | 94 | 15 | 932 |
| 220, 723 | Mild, William, Hamilton, Ohio. Vegetable grater and cutter | Oct. 21, 1879 | 601 | 160 | 16 | 731 |
| 220, 034 | Milford, Robert F., Parker City, Pa. Pump for oil-wells | Sept. 30, 1879 | 1195 | 329 | 16 | 603 |
| 220, 085 | Same.....same | Sept. 30, 1879 | 1195 | 329 | 16 | 603 |
| 215, 234 | Mikeal, Thomas, Plainfield, Ind. Combined ladder and trestle | May 13, 1879 | 303 | 89 | 15 | 744 |
| 213, 520 | Mikkelson, Rasmus, Lodi, Wis. Tubing wells | Mar. 25, 1879 | 859 | 245 | 15 | 433 |
| 216, 690 | Same.....Wrench | June 17, 1879 | 773 | 221 | 15 | 1001 |
| 214, 171 | Miles, George, Grantville, Mass. Upright steam-boiler | Apr. 8, 1879 | 512 | 146 | 15 | 545 |
| 223, 002 | Miles, George W., Buffalo, N. Y. Steam-brake | Dec. 30, 1879 | 1042 | 299 | 16 | 1195 |
| 213, 583 | Miles, Orrin A., and E. R. Lovett, Lynn, Mass. Bottle-washer | Mar. 25, 1879 | 932 | 265 | 15 | 441 |
| 216, 337 | Miles, Purches, New York, N. Y. Safety-pin | June 10, 1879 | 384 | 109 | 15 | 940 |
| 218, 824 | Miles, Purches, Brooklyn, N. Y., assignor to H. W. Putnam, Bennington, Vt. Cover-fastener for jars, &c | Aug. 26, 1879 | 853 | 240 | 16 | 365 |
| 214, 170 | Miles, Richard E., Louisville, Ky. Breast-collar | Apr. 8, 1879 | 511 | 145 | 15 | 545 |
| | Miles, W. A. (*See* Burghardt, John H., assignor.) | | | | | |
| 218, 047 | Millar, Pamelia, Kenton, Ohio. Chicken-coop | July 29, 1879 | 1278 | 365 | 16 | 205 |
| 222, 595 | Millard, Andrew J., Sioux City, Iowa. Egg-carrier | Dec. 16, 1879 | 567 | 161 | 16 | 1105 |
| 211, 418 | Millard, Martin S., and J. G. Chase, Carthage, Mo. Weather-strip | Jan. 14, 1879 | 404 | 115 | 15 | 52 |
| 212, 392 | Millaudon, Clementin C., New Orleans, La. Cigarette | Feb. 18, 1879 | 662 | 185 | 15 | 217 |
| 213, 769 | Millen, Robert J., Muskegon, Mich. Log or bull chain | Apr. 1, 1879 | 39 | 13 | 15 | 478 |
| 220, 406 | Miller, Allen T., Philadelphia, Pa. Car-wheel fender | Oct. 7, 1879 | 218 | 59 | 16 | 665 |
| 211, 419 | Miller, Ambrose P., Hoboken, N. J. Handle-socket for picks | Jan. 14, 1879 | 404 | 115 | 15 | 52 |
| 221, 691 | Miller, Andrew J., Cokesbury, S. C. Cotton-press | Nov. 18, 1879 | 640 | 179 | 16 | 918 |
| | Miller, Arthur. (*See* Kimball, Hiram A., assignor.) | | | | | |
| 218, 392 | Miller, Cassius M., assignor of one-half interest to C. Aultman & Co., Canton, Ohio. Cleaner for vertical-flue boilers | Aug. 12, 1879 | 329 | 91 | 16 | 275 |
| 218, 393 | Same.....Thimble for vertical-flue boilers | Aug. 12, 1879 | 330 | 91 | 16 | 275 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 221, 900 | Miller, Cassius M., Canton, Ohio. Traction-engine | Nov. 18, 1879 | 885 | 248 | 16 | 951 |
| 221, 690 | Miller, Charles, Akron, Ohio. Grain-elevator for harvesters | Nov. 18, 1879 | 639 | 179 | 16 | 918 |
| 221, 692 | Miller, Charles H., assignor, by mesne assignments, to E. S. Warren, Buffalo, N. Y. Hollow anger | Nov. 18, 1879 | 641 | 179 | 16 | 918 |
| 214, 943 | Miller, Charles W., Sycamore, Ill. Tool for cutting and bending wire | Apr. 29, 1879 | 1427 | 397 | 15 | 687 |
| 219, 869 | Miller, Christian G., and T. F. Loescher, Fort Dodge, Iowa. Sash-holder | Sept. 23, 1879 | 934 | 258 | 16 | 560 |
| | Miller & Co., E. (*See* Hoenberger, Lonis, assignor.) | | | | | |
| 212, 035 | Miller, David L., Madison, assignor to W. H. Ely, New York, N. Y. Saddle-hook | Feb. 4, 1879 | 236 | 66 | 15 | 156 |
| 219, 289 | Miller, David W., Whitney's Point, N. Y. Reclining-chair | Sept. 2, 1879 | 265 | 75 | 16 | 445 |
| 220, 856 | Miller, Edward L., Philadelphia, Pa. Lever paper-cutting machine | Oct. 21, 1879 | 749 | 200 | 16 | 750 |
| | Miller, Edward P., *et al.* (*See* Specs, David F., assignor.) | | | | | |
| | Miller, Elim B. (*See* Carney, James R., assignor.) | | | | | |
| | Miller, Fred J. (*See* Corbett & Miller.) | | | | | |
| 216, 966 | Miller, George L., Rouseville, Pa. Machine for trimming circular valves | July 1, 1879 | 44 | 14 | 16 | 8 |
| | Miller, George W. (*See* Litchfield, Lyman, assignor.) | | | | | |
| | Same.....(*See* Thorn, Joseph W., assignor.) | | | | | |
| 214, 683 | Miller, George W., Fawn Grove, assignor to self and H. T. Day, Constitution, Pa. Corn and seed planter | Apr. 22, 1879 | 1130 | 317 | 15 | 641 |
| 218, 046 | Miller, Henry C., assignor of one-half interest to J. B. Miller, Blue Mound, Ill. Carriage-wrench | July 29, 1879 | 1277 | 365 | 16 | 204 |
| 219, 645 | Miller, Henry F., Baltimore, Md. Sheet-metal box | Sept. 16, 1879 | 682 | 189 | 16 | 516 |
| 221, 415 | Miller, Henry J., assignor of one-half interest to C. T. Goddard, Lowell, Mass. Loom-shuttle | Nov. 11, 1879 | 324 | 88 | 16 | 866 |
| | Miller, Henry S. (*See* Barnard, Henry H., assignor.) | | | | | |
| 216, 434 | Miller, Herman, New York, N. Y. Machine for making sheet-metal can-bodies | June 10, 1879 | 489 | 140 | 15 | 954 |
| | Miller, Isaac M. (*See* Miller, James W. and I. M.) | | | | | |
| 214, 432 | Miller, Jacob, Washington, Pa. Stock-car | Apr. 15, 1879 | 836 | 235 | 15 | 596 |
| | Miller, James. (*See* Susemihl, Francis C. L. G., assignor.) | | | | | |
| 221, 591 | Miller, James, and F. C. L. G. Susemihl, Detroit, Mich. Grain-car door | Nov. 11, 1879 | 528 | 145 | 16 | 894 |
| 216, 288 | Miller, James K., New York, N. Y. Plumber's trap | June 10, 1879 | 320 | 95 | 15 | 932 |
| 215, 235 | Miller, James W., Newark, and I. M. Miller, Orange, N. J. Manufacture of jewelry | May 13, 1879 | 304 | 89, 90 | 15 | 744 |
| 217, 892 | Miller, James W., New Castle, Pa. Hand-power for operating churns, &c | July 29, 1879 | 1110 | 318 | 16 | 183 |
| 222, 147 | Same.....Churn-power | Dec. 2, 1879 | 37 | 10 | 16 | 1014 |
| | Miller, Jasper B. (*See* Miller, Henry C., assignor.) | | | | | |
| 9, 002 | Miller, Joel B., deceased, assignor, by mesne assignments, to H. W. Putnam, Bennington, Vt. Bottle-stopper .....(Reissue) | Dec. 23, 1879 | 1013 | 290 | 16 | 1180 |
| 221, 845 | Miller, John, Pittsburg, Pa. Water-well and brush for copying | Nov. 18, 1879 | 826 | 230 | 16 | 942 |
| 212, 813 | Miller, John A., Oshkosh, Wis., assignor to W. P. Miller, Brooklyn, N. Y. Circular saw | Mar. 4, 1879 | 36 | 12 | 15 | 302 |
| 220, 724 | Miller, John A., Paducah, Ky. Clock and watch | Oct. 21, 1879 | 602 | 160 | 16 | 731 |
| 219, 108 | Miller, John C., Louisville, Ky. Rotary engine | Sept. 2, 1879 | 54 | 18 | 16 | 419 |
| | Miller, John C. C. (*See* Doen & Miller.) | | | | | |
| 214, 784 | Miller, John F., assignor to D. Risher and D. R. McClure, Pittsburg, Pa. Spring tug-link | Apr. 29, 1879 | 1258 | 352 | 15 | 664 |
| 211, 102 | Miller, John L., Washington, D. C., H. H. Tallmadge and E. Brown, New York, N. Y. Lighting device for gas-burners | Jan. 7, 1879 | 24 | 8 | 15 | 4 |
| 217, 292 | Miller, John Q., Rouseville, Pa. Packing-casing for oil-wells | July 8, 1879 | 411 | 121 | 16 | 65 |
| 211, 174 | Miller, Joseph, New York, N. Y., assignor of one-half interest to J. G. Coffey. Elevated railway | Jan. 7, 1879 | 102 | 32 | 15 | 14 |
| 216, 626 | Miller, Joseph, Greenwich, N. Y. Vehicle-spring | June 17, 1879 | 706 | 201 | 15 | 992 |
| 212, 725 | Miller, Joseph A., Providence, R. I. Spindle for spinning-machines | Feb. 25, 1879 | 1058 | 294 | 15 | 278 |
| 212, 966 | Miller, Joseph B., Wilkesbarre, Pa. Grate-bar | Mar. 4, 1879 | 229 | 63 | 15 | 326 |
| 213, 438 | Miller, Joseph W., and B. Coll, Baltimore, Md. Soldering-machine | Mar. 18, 1879 | 768 | 216 | 15 | 413 |
| 214, 513 | Miller, Lebbeus B., Elizabeth, N. J., assignor to Singer Manufacturing Company, New York, N. Y. Sewing-machine | Apr. 22, 1879 | 950 | 268 | 15 | 618 |
| 221, 338 | Miller, Lebbeus B., and P. Diehl, Elizabeth, N. J., assignor to Singer Manufacturing Company, N. J. Shuttle for sewing-machines | Nov. 4, 1879 | 226 | 61 | 16 | 843 |
| | Miller, Lewis. (*See* Kramer & Miller.) | | | | | |
| 8, 564 | Miller, Lewis, Akron, Ohio. Rake attachment to harvesters.....(Reissue) | Feb. 4, 1879 | 296 | 81 | 15 | 162 |
| 8, 565 | Same.....Harvester-rake.....(Reissue) | Feb. 4, 1879 | 297 | 81 | 15 | 163 |
| 217, 135 | Miller, Lewis, Reading, Pa. Bale-band bender | July 1, 1879 | 232 | 67 | 16 | 32 |
| 220, 635 | Same.....Bale-band tightener | Oct. 14, 1879 | 491 | 129 | 16 | 708 |
| 220, 636 | Same.....Bale-band bender | Oct. 14, 1879 | 492 | 129 | 16 | 709 |
| 214, 426 | Miller, Maria E. B., Omaha, Nebr. Machine for filling and corking bottles | Apr. 15, 1879 | 832 | 233, 234 | 15 | 595 |
| | Miller, Martin D. (*See* Rowan & Miller.) | | | | | |
| 221, 970 | Miller, Morgan B., San Francisco, Cal. Air-compressing fan | Nov. 25, 1879 | 988 | 277 | 16 | 974 |
| | Miller, Oliver H., *et al.* (*See* Clement, Henry, assignor.) | | | | | |
| 211, 579 | Miller, Orville J., Bergen, N. J. Car-axle-box lid | Jan. 21, 1879 | 588 | 166 | 15 | 78 |
| 216, 801 | Miller, Rasmus G., Great Belt, Pa. Trap-valve | June 24, 1879 | 918 | 261 | 15 | 1029 |
| 215, 533 | Miller, Reuben, Pittsburg, Pa. Base and cap plate | May 20, 1879 | 655 | 191 | 15 | 800 |
| 211, 921 | Miller, Robert B., and W. Cunningham, Watsontown, Pa. Spark-arrester and smoke-consumer | Feb. 4, 1879 | 114 | 32, 33 | 15 | 140 |
| 212, 251 | Miller, Robert R., Plantsville, assignor to M. N. Woodruff, Southington, Conn. Die for forging ox-shoes | Feb. 11, 1879 | 491 | 136 | 15 | 191 |
| 214, 172 | Miller, Robert R., Plantsville, Conn. Die for making carriage-clips | Apr. 8, 1879 | 513 | 146 | 15 | 545 |
| 8, 694 | Miller, Robert R., Plantsville, Conn., assignor, by mesne assignments, to self, J. B. Savage, and Atwater Manufacturing Company. Series of dies for forming the heads of king-bolts .....(Reissue) | May 6, 1879 | 250 | 73, 74 | 15 | 734 |
| 215, 763 | Miller, Sam H., Brooklyn, N. Y. Shade-supporting attachment | May 27, 1879 | 909 | 266 | 15 | 842 |
| | Miller, Samuel E. (*See* Hitchcock, James M., assignor.) | | | | | |
| | Miller, Samuel J. (*See* Dolman, William A., assignor.) | | | | | |
| | Miller, S. Milton. (*See* Layton, Hiram W., assignor.) | | | | | |
| 216, 286 | Miller, Thomas, Jersey City, N. J. Apparatus for supplying steam for heating and other purposes | June 10, 1879 | 317 | 94 | 15 | 932 |
| | Miller, Warren P. (*See* Miller, John A., assignor.) | | | | | |
| 8, 534 | Miller, Warren P., assignor to R. Hoe & Co., New York, N. Y. Saw.....(Reissue) | Jan. 7, 1879 | 241 | 70 | 15 | 31 |
| 213, 439 | Miller, Warren P., Brooklyn, N. Y. Circular saw | Mar. 18, 1879 | 769 | 217 | 15 | 413 |
| 221, 179 | Same.....Stove or furnace | Nov. 4, 1879 | 46 | 13 | 16 | 818 |
| 212, 726 | Miller, Wesley, Cambridge, N. Y. Explosive compound | Feb. 25, 1879 | 1059 | ..... | 15 | 278 |
| | Miller, William. (*See* Hull & Miller.) | | | | | |
| 212, 618 | Miller, William, Cincinnati, Ohio. Door for stoves, &c | Feb. 25, 1879 | 952 | 263 | 15 | 263 |
| 221, 087 | Miller, William, Boston, Mass. Hair-cutting machine | Oct. 28, 1879 | 1036 | 274, 275 | 16 | 797 |
| 212, 034 | Miller, William A., Martinsville, Ill. Suspenders | Feb. 4, 1879 | 235 | 66 | 15 | 156 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 215,956 | Miller, William A. L., San Francisco, Cal. Self-adjusting bracelet | May 27, 1879 | 1129 | 327 | 15 | 869 |
| 221,178 | Same.....Ear-ring | Nov. 4, 1879 | 45 | 12 | 16 | 818 |
| | Miller, William F. (*See* Sholes & Miller.) | | | | | |
| | Miller, William I., *et al.* (*See* Arbogast, Philip, assignor.) | | | | | |
| | Same.....(*See* Jackson & McTighe, assignors.) | | | | | |
| | Miller, William I. (*See* Jackson, Oliver P., assignor.) | | | | | |
| 212,250 | Miller, William K., Canton, Ohio. Harvester-rake | Feb. 11, 1879 | 490 | 136 | 15 | 191 |
| 222,929 | Miller, William P., Tipton, Mo. Nut-lock | Dec. 23, 1879 | 953 | 274 | 16 | 1172 |
| 211,920 | Miller, William R., Baltimore, Md. Manufacture of boots | Feb. 4, 1879 | 113 | 32 | 15 | 140 |
| 213,231 | Same.....Manufacture of boots and shoes | Mar. 11, 1879 | 544 | 151 | 15 | 375 |
| 214,684 | Same.....same | Apr. 22, 1879 | 1131 | 317, 318 | 15 | 641 |
| 215,147 | Same.....same | May 6, 1879 | 196 | 55 | 15 | 726 |
| | Miller, William T. (*See* Ward, Owen, assignor.) | | | | | |
| 219,494 | Milligan, Henry C., Elizabeth, assignor to Milligan, Sayce & Co., Newark, N. J. Metal-seaming machine | Sept. 9, 1879 | 501 | 139, 140 | 16 | 484 |
| 219,752 | Milligan, Henry C., Elizabeth, N. J. Sheet-metal can | Sept. 16, 1879 | 791 | 219 | 16 | 531 |
| 218,997 | Milligan, John C., South Orange, N. J., assignor to Lalance & Grosjean Manufacturing Company, New York, N. Y. Dust-pan | Aug. 26, 1879 | 1047 | 295 | 16 | 392 |
| 215,651 | Milligan, John F., assignor of one-half interest to J. W. Branch, Saint Louis, Mo. Punching-machine | May 20, 1879 | 788 | 231 | 15 | 817 |
| | Milligan, Joseph R. (*See* Williams, Smith & Milligan.) | | | | | |
| | Milligan, Sayce & Co. (*See* Milligan, Henry C., assignor.) | | | | | |
| 218,186 | Milliken, Alonzo, Brooklyn, N. Y. Shank for buttons | Aug. 5, 1879 | 93 | 25 | 16 | 233 |
| 214,682 | Millington, Isaac B., Columbia, Pa. Hydraulic ram | Apr. 22, 1879 | 1129 | 317 | 15 | 641 |
| | Millir, Richard W. (*See* Taylor & Millir.) | | | | | |
| 221,846 | Milliron, Jacob, jr., assignor of one-third interest to S. W. Steele, Nashville, Tenn. Treadle-power mechanism | Nov. 18, 1879 | 826 | 230 | 16 | 943 |
| | Milliss, George P. (*See* Hill, Thomas W., assignor.) | | | | | |
| 218,998 | Millner, Isaac B., assignor of one-half interest to C. Baltzell, Cumberland, Md. Ribbon-holder | Aug. 26, 1879 | 1047 | 296 | 16 | 392 |
| 218,187 | Mills, Clark W., Pompton, N. J. Can-protector | Aug. 5, 1879 | 94 | 25 | 16 | 233 |
| 220,855 | Mills, Frank P., Ishpeming, Mich. Electric speaking-telephone | Oct. 21, 1879 | 748 | 200 | 16 | 750 |
| 215,955 | Mills, Hiram R., Port Huron, Mich. Lamp-bracket | May 27, 1879 | 1128 | 327 | 15 | 869 |
| 218,999 | Mills, James and John, jr., Wilmington, Del. Dumping-wagon | Aug. 26, 1879 | 1048 | 296 | 16 | 392 |
| | Mills, John. (*See* Gresty & Mills.) | | | | | |
| | Mills, John, jr. (*See* Mills, James and John, jr.) | | | | | |
| 213,922 | Mills, Jonathan, Milwaukee, Wis., assignor to Milwaukee Middlings Millstone Company. Middlings-grinding mill | Apr. 1, 1879 | 204 | 59, 60 | 15 | 499 |
| 215,236 | Mills, Jonathan, Milwaukee, Wis. Middlings-ginding mill | May 13, 1879 | 305 | 90 | 15 | 744 |
| 223,056 | Same.....Apparatus for degerminating grain | Dec. 30, 1879 | 1100 | 313 | 16 | 1202 |
| 223,057 | Same.....Bran-cleaning machine | Dec. 30, 1879 | 1104 | 314 | 16 | 1202 |
| 212,036 | Mills, Mortimer B., De Witt, Iowa. Permutation-padlock | Feb. 4, 1879 | 237 | 66 | 15 | 156 |
| 219,968 | Mills, Mortimer B., and C. E. Dinehart, Chicago, Ill.; said Mills assignor to said Dinehart. Feed-cooker | Sept. 23, 1879 | 1047 | 290 | 16 | 575 |
| 216,210 | Mills, Nelson W., Otsego, Mich. Hoe | June 3, 1879 | 210 | 63 | 15 | 911 |
| | Mills & Son, William. (*See* Dorr, Henry G., jr., assignor.) | | | | | |
| 218,300 | Mills, William, and C. H. Hershey, Philadelphia, Pa.; said Mills assignor to said Hershey; said Hershey assignor of one-fourth interest to J. L. Heysinger, Lower Providence, Pa. Hair-crimper | Aug. 5, 1879 | 214 | 58 | 16 | 249 |
| 215,278 | Mills, William M., Dayton, Ohio. Flume for turbine wheels | May 13, 1879 | 361 | 104 | 15 | 751 |
| 220,487 | Same.....Adjustable pillow-block | Oct. 14, 1879 | 318 | 84 | 16 | 686 |
| 214,834 | Milne, Alexander, Washington, D. C. Combined hat-rack and umbrella-stand | Apr. 29, 1879 | 1314 | 367 | 15 | 672 |
| 221,247 | Milner, William, Strathroy, Ontario, Canada. Sash-balance | Nov. 4, 1879 | 118 | 32 | 16 | 829 |
| 214,833 | Milsom, George, and R. Heneage, Buffalo, N. Y. Culinary vessel | Apr. 29, 1879 | 1312 | 367 | 15 | 672 |
| 213,676 | Milson, Daniel, Catasauqua, Pa. Hot-air furnace | Mar. 25, 1879 | 1036 | 294 | 15 | 455 |
| 211,922 | Miltenberger, John, Peru, Ind. Mill-staff gage | Feb. 4, 1879 | 115 | 33 | 15 | 140 |
| 222,833 | Miltimore, George W., assignor to Improved Car Axle Company, New York, N. Y. Car-axle | Dec. 23, 1879 | 842 | 241 | 16 | 1155 |
| 213,440 | Milton, John, Hamilton, Va. Auxiliary governor for steam-engines | Mar. 18, 1879 | 770 | 217 | 15 | 413 |
| | Milwaukee Middlings Millstone Company. (*See* Mills, Jonathan, assignor.) | | | | | |
| 214,577 | Miner, Henry A., assignor to self and A. F. Thompson, East Cambridge, Mass. Clasp. | Apr. 22, 1879 | 1018 | 287 | 15 | 626 |
| 217,234 | Miner, Roland S., La Fayette, Ind. Railway-switch | July 8, 1879 | 355 | 105 | 16 | 57 |
| 222,148 | Miner, William W., and B. Bevelander, assignors to Globe Nail Company, Boston, Mass. Reel for coiling metal strips | Dec. 2, 1879 | 38 | 10 | 16 | 1014 |
| 222,417 | Miner, William W., Boston, Mass. Manufacture of horseshoe-nails | Dec. 9, 1879 | 339 | 96 | 16 | 1065 |
| 215,830 | Minière, Jules, Bordeaux, France. Umbrella-frame | May 27, 1879 | 990 | 289 | 15 | 852 |
| 222,071 | Minière, Jules, Paris, France. Umbrella-frame | Nov. 25, 1879 | 1093 | 307 | 16 | 989 |
| | Minneapolis Paper Grain Binder Company. (*See* Travis, Charles L., assignor.) | | | | | |
| 218,129 | Minnick, Alexander P., Rockford, Ill. Churn | Aug. 5, 1879 | 24 | 7, 8 | 16 | 224 |
| 219,290 | Minot, Alonzo W., and M. Rhoades, Rockford, Ill. Churn | Sept. 2, 1879 | 266 | 75 | 16 | 445 |
| 218,553 | Mires, Andrew, Chillicothe, Mo. Churn-power | Aug. 12, 1879 | 520 | 146 | 16 | 302 |
| 219,000 | Misbler, Henry, Mogadore, Ohio. Device for manufacturing earthenware | Aug. 26, 1879 | 1049 | 296 | 16 | 392 |
| 212,252 | Misso, Rocco, Macon, Miss. Pump | Feb. 11, 1879 | 492 | 137 | 15 | 192 |
| | Missouri Car and Foundry Company. (*See* Connolly, James, assignor.) | | | | | |
| 220,938 | Mitchel, James F., Murray, Ky. Plow-clevis | Oct. 28, 1879 | 857 | 230 | 16 | 774 |
| 219,001 | Mitchell, Albion L. F., assignor to self, J. W. Fulton, and C. J. Sargent, Methuen, Mass. Hat-pouncing machine | Aug. 26, 1879 | 1050 | 297 | 16 | 392 |
| 221,593 | Mitchell, Albion L. F., Methuen, Mass. Hat shearing and finishing machine | Nov. 11, 1879 | 530 | 146 | 17 | 895 |
| 221,594 | Mitchell, Albion L. F., assignor to self, J. W. Fulton, and C. J. Sargent, Methuen, Mass. Hat-pouncing machine | Nov. 11, 1879 | 531 | 146 | 16 | 895 |
| | Mitchell, Alfred T. (*See* Dobyns, Samuel T., assignor.) | | | | | |
| | Mitchell, Charles H. (*See* Hoffman, Austin D., assignor.) | | | | | |
| 213,677 | Mitchell, Charles L., Philadelphia, Pa. Suppository | Mar. 25, 1879 | 1037 | 295 | 15 | 455 |
| | Mitchell, Esau. (*See* Mitchell, Jacob and E.) | | | | | |
| 214,685 | Mitchell, Francis C., Benton Harbor, Mich. Spring bed-bottom | Apr. 22, 1879 | 1132 | 318 | 15 | 641 |
| 214,419 | Mitchell, Garryt D., Chelsea, Mass. Shoe-brush | Apr. 15, 1879 | 826 | 232 | 15 | 594 |
| 221,592 | Mitchell, Jacob and E., Detroit, Mich. Heel for boots and shoes | Nov. 11, 1879 | 529 | 146 | 16 | 895 |
| 211,765 | Mitchell, James M., Dunlap, Iowa. Brick-machine | Jan. 28, 1879 | 815 | 229 | 15 | 112 |
| 215,385 | Mitchell, James M., Point Peter, Ark. Cultivator | May 13, 1879 | 469 | 141 | 15 | 766 |
| | Mitchell, J. W., *et al.* (*See* Scott, William W., assignor.) | | | | | |
| 211,339 | Mitchell, John G., Baltimore, Md. Adjustable window-curtain | Jan. 14, 1879 | 319 | 94 | 15 | 42 |
| 220,165 | Mitchell, John H., Philadelphia, Pa. Brake-shoe | Sept. 30, 1879 | 1285 | 353 | 16 | 616 |
| 214,483 | Mitchell, John W., Bayonne, N. J. Reversible dumping-scow | Apr. 15, 1879 | 837 | 235 | 15 | 596 |
| 211,103 | Mitchell, Samuel J., Saint Louis, Mo. Nut-lock | Jan. 7, 1879 | 26 | 9 | 15 | 4 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 218, 554 | Mitchell, Thomas S., Pittsburg, Pa. Cooking-stove | Aug. 12, 1879 | 521 | 146 | 16 | 302 |
| | Mix, Frank B. (*See* Mix, Walter W. and F. B.) | | | | | |
| 219, 495 | Mix, Frank W., Terryville, Conn. Indicator-lock | Sept. 9, 1879 | 504 | 140 | 16 | 484 |
| 220, 637 | Same.....Padlock | Oct. 14, 1879 | 493 | 130 | 16 | 709 |
| 221, 595 | Same.....Seal-lock | Nov. 11, 1879 | 532 | 147 | 16 | 895 |
| 213, 232 | Mix, Walter W. and F. B., Atlanta, Ill. Dust-pan | Mar. 11, 1879 | 545 | 151 | 15 | 375 |
| 220, 407 | Mixer, William M., and J. C. De La Vergne, New York, N. Y. Pipe joint and coupling | Oct. 7, 1879 | 219 | 59 | 16 | 665 |
| 216, 435 | Moberly, Louis, McKinney, Tex. Photographic background | June 10, 1879 | 492 | 141 | 15 | 954 |
| | Mochamer, Ario. (*See* Wilkinson, Allison, Riley & Mochramer.) | | | | | |
| 220, 032 | Mock, Edward, Chicago, Ill. Separator-shoe for thrashing-machines, &c | Sept. 30, 1879 | 1122 | 310 | 16 | 593 |
| 219, 002 | Mock, James F., Muncie, Ind. Combined drill and corn-planter | Aug. 26, 1879 | 1052 | 297 | 16 | 392 |
| 217, 293 | Mock, Severin, Philadelphia, Pa. Automatic clearer for spinning-mules | July 8, 1879 | 411 | 122 | 16 | 65 |
| 214, 686 | Moebs, George, and C. Landschneider, Detroit, Mich. Horseshoe | Apr. 22, 1879 | 1133 | 318 | 15 | 641 |
| 215, 764 | Same.....same | May 27, 1879 | 910 | 267 | 15 | 842 |
| | Moehring, William G., *et al.* (*See* Bolchini, Charles E., assignor.) | | | | | |
| 218, 302 | Moeller, Julius, Berlin, Prussia. Horseshoe-nail | Aug. 5, 1879 | 215 | 58 | 16 | 249 |
| 218, 301 | Moessinger, Adam, and W. Heathcote, Glen Rock, Pa. Gate for turbine water-wheels | Aug. 5, 1879 | 215 | 58 | 16 | 249 |
| 216, 879 | Moffatt, Richard R., Brooklyn, N. Y. Air-carbureting apparatus | June 24, 1879 | 1000 | 284 | 15 | 1039 |
| 222, 834 | Moffitt, Edward R., Boston, Mass. Registering apparatus | Dec. 23, 1879 | 844 | 241 | 16 | 1155 |
| 212, 253 | Moffitt, John R., Boston, Mass. Machine for trimming sole-edges of boots and shoes | Feb. 11, 1879 | 493 | 137 | 15 | 192 |
| 213, 521 | Same.....Skiving-machine | Mar. 25, 1879 | 860 | 245 | 15 | 433 |
| 219, 170 | Moffitt, John R., Chelsea, Mass. Disintegrating paper stock | Sept. 2, 1879 | 124 | 38 | 16 | 428 |
| 211, 766 | Mohr, Frederick, New York, N. Y. Platform rocking-chair | Jan. 28, 1879 | 816 | 229 | 15 | 112 |
| 220, 857 | Same.....Platform-cradle | Oct. 21, 1879 | 750 | 200 | 16 | 751 |
| 211, 250 | Mohr, Martin, assignor of one-half interest to J. Scherer, Cincinnati, Ohio. Label-holder for locks | Jan. 7, 1879 | 186 | 54 | 15 | 24 |
| 212, 037 | Molera, Eusebius J., and J. C. Cebrian, San Francisco, Cal. Moter-engine | Feb. 4, 1879 | 237 | 66, 67 | 15 | 156 |
| 212, 038 | Same.....Motor | Feb. 4, 1879 | 243 | 67 | 15 | 156 |
| 212, 039 | Same.....Fluid-motor or motor-engine | Feb. 4, 1879 | 246 | 67, 68 | 15 | 157 |
| 212, 040 | Same.....Regulator for electric lights | Feb. 4, 1879 | 251 | 68 | 15 | 157 |
| 212, 967 | Molera, Eusebius J., and J. C. Cebrian, San Francisco, Cal. System of pumping and cooling | Mar. 4, 1879 | 229 | 64 | 15 | 326 |
| 214, 514 | Same.....Regulator for electric lights | Apr. 22, 1879 | 951 | 268 | 15 | 618 |
| 214, 515 | Same.....same | Apr. 22, 1879 | 954 | 268 | 15 | 618 |
| 214, 516 | Same.....Carbon float for electric lamps | Apr. 22, 1879 | 958 | 269 | 15 | 619 |
| 214, 835 | Same.....System of lighting | Apr. 29, 1879 | 1315 | 367 / 368 | 15 | 672 |
| 214, 173 | Molison, Alexander R., Swansea, England. Electric gas-lighting apparatus | Apr. 8, 1879 | 514 | 147 | 15 | 545 |
| 218, 761 | Mollenhauer, Edward R., New York, N. Y. Violin | Aug. 19, 1879 | 758 | 215 | 16 | 342 |
| 218, 303 | Möller, Andreas E., assignor to self and C. Schattenbrand, Berlin, Prussia. Hydraulic engine | Aug. 5, 1879 | 216 | 58, 59 | 16 | 250 |
| 215, 148 | Möller, Karl, Kupferhammer, near Bracknede, Germany. Floating weir or caisson | May 6, 1879 | 196 | 55, 56 | 15 | 726 |
| | Möllhusen, Gustav, *et al.* (*See* Martens, Friedrich, assignor.) | | | | | |
| 211, 249 | Molloy, James F., West Haven, Conn. Buckle | Jan. 7, 1879 | 185 | 54 | 15 | 24 |
| 211, 580 | Same.....same | Jan. 21, 1879 | 589 | 166 | 15 | 78 |
| 212, 254 | Same.....same | Feb. 11, 1879 | 494 | 137 | 15 | 192 |
| 211, 767 | Molloy, Peter, New York, N. Y. Umbrella-runner lock | Jan. 28, 1879 | 817 | 230 | 15 | 112 |
| 222, 931 | Mollring, Arnold F., Nebraska City, Nebr. Cloth-measuring machine | Dec. 23, 1879 | 955 | 274 | 16 | 1172 |
| 222, 932 | Same.....Machine for making measure-slips | Dec. 23, 1879 | 956 | 275 | 16 | 1172 |
| 220, 638 | Molt, Gustav, Millbury, Mass. Compound dye | Oct. 14, 1879 | 494 | ..... | 16 | 709 |
| 218, 682 | Moltz, Alfred E., New York, N. Y. Sewing-machine | Aug. 19, 1879 | 674 | 191 | 16 | 331 |
| 221, 180 | Monday, Newton, and J. P. Doherty, Bentonville, Ark. Hair-spring stud | Nov. 4, 1879 | 47 | 13 | 16 | 819 |
| 218, 188 | Mong, Robert H., Muncie, Ind. Fence | Aug. 5, 1879 | 94 | 25 | 16 | 233 |
| 214, 428 | Monger, Thomas S., Connersville, Ind. Field-roller | Apr. 15, 1879 | 834 | 234 | 15 | 595 |
| | Monjo, Domingo M., *et al.* (*See* Schroeder, Frederick W., assignor.) | | | | | |
| | Monk, Charles A. (*See* Conarroe, Robert, assignor.) | | | | | |
| 218, 762 | Monnier, Alfred, San Francisco, Cal. Explosive compound | Aug. 19, 1879 | 759 | ..... | 16 | 342 |
| 215, 666 | Monosmith, Reason and T. B., Medina, Ohio. Fire-kindler | May 6, 1879 | 91 | 27 | 15 | 714 |
| | Monosmith, Thomas B. (*See* Monosmith, Reason and T. B.) | | | | | |
| 217, 702 | Monsanto, Mauricio M., and T. Gannon, Jersey City, N. J. Apparatus for concentrating and crystallizing saccharine and other liquids | July 22, 1879 | 894 | 255 | 16 | 148 |
| 217, 703 | Monsanto, Mauricio M., Barranquilla, United States of Colombia, South America. Still | July 22, 1879 | 896 | 256 | 16 | 148 |
| | Montague, William H. (*See* Culp & Montague.) | | | | | |
| 212, 041 | Monteith, Robert H., Eau Claire, Wis. Combined thrashing-machine and grain-separator | Feb. 4, 1879 | 252 | 68 | 15 | 157 |
| 220, 858 | Montgomery, David C., Saint Joseph, Mo. Pump | Oct. 21, 1879 | 751 | 200 | 16 | 751 |
| 222, 361 | Montgomery, Henry C., Cleveland, Ohio. Gage-cock | Dec. 9, 1879 | 279 | 78 | 16 | 1057 |
| 217, 136 | Montgomery, James, Jersey City, N. J. Car-wheel | July 1, 1879 | 233 | 67 | 16 | 32 |
| 214, 416 | Montgomery, James M., jr., Columbus, Ohio. Cabinet-bedstead | Apr. 15, 1879 | 824 | 231 | 15 | 594 |
| 219, 291 | Montgomery, John C., assignor to self and R. S. Montgomery, Palmetto, Tenn. Water wheel and gate | Sept. 2, 1879 | 268 | 76 | 16 | 445 |
| | Montgomery, Robert H. (*See* Seaver, John W., assignor.) | | | | | |
| | Montgomery, Robert S. (*See* Montgomery, John C., assignor.) | | | | | |
| 219, 969 | Montgomery, William, Amity, Pa. Animal-poke | Sept. 23, 1879 | 1047 | 290 | 16 | 575 |
| 211, 251 | Montross, Levi H., Simcoe, Ontario, Canada. Car-axle box | Jan. 7, 1879 | 187 | 55 | 15 | 24 |
| | Montross, Richard W. (*See* Mallette, James P., assignor.) | | | | | |
| 219, 408 | Moody, Charles D., Saint Louis, Mo. Saddle-tree fork | Sept. 9, 1879 | 415 | 115 | 16 | 472 |
| | Moody, William D. (*See* Young & Moody.) | | | | | |
| 217, 704 | Moody, William F., assignor of one-half interest to Ames & Frost, Chicago, Ill. Wire-coiling machine | July 22, 1879 | 898 | 256 | 16 | 148 |
| 222, 362 | Mooers, Alton H., North Ridgeville, Ohio. Machine for leveling and sweeping roads and tracks | Dec. 9, 1879 | 280 | 78 | 16 | 1057 |
| | Moon, John L., *et al.* (*See* Richardson, Stephen H., assignor.) | | | | | |
| 222, 719 | Moon, William S., Pleasant Grove, Ga. Cultivator | Dec. 16, 1879 | 708 | 203 | 16 | 1126 |
| | Mooney & Co., W. M. (*See* Wills, John B., assignor).....(Reissue.) | | | | | |
| 216, 053 | Mooney, George, Providence, R. I. Egg-beater | June 3, 1879 | 53 | 14 | 15 | 891 |
| 222, 298 | Mooney, John H., assignor to E. Detrick, San Francisco, Cal. Double-chain-stitch sewing-machine | Dec. 2, 1879 | 203 | 53, 54 | 16 | 1037 |
| | Mooney, Lyman V. (*See* Harford, John H., assignor.) | | | | | |
| 219, 109 | Moore, Albert, Northville, N. Y. Clothes-frame | Sept. 2, 1879 | 55 | 18 | 16 | 420 |
| 212, 814 | Moore, Albert W., East Brookfield, Mass. Pegging-machine | Mar. 4, 1879 | 37 | 13 | 15 | 302 |
| | Moore, Andrew J. (*See* Bugbee, George G., assignor.) | | | | | |
| 216, 627 | Moore, Aquila, assignor to Peck Brothers & Co., New Haven, Conn. Faucet | June 17, 1879 | 706 | 202 | 15 | 992 |
| 215, 652 | Moore, Atlantic A., and R. Cameron, Trinidad, Colo. Fastening for horse-collars | May 20, 1879 | 789 | 231 | 15 | 818 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216, 211 | Moore, Charles, New York, N. Y. Air-compressor | June 3, 1879 | 211 | 63 | 15 | 912 |
| | Moore, Dennis, *et al.* (*See* Sheed, George, assignor.) | | | | | |
| 212, 727 | Moore, Edgar B., Boston, Mass. Carpet-sweeper | Feb. 25, 1879 | 1059 | 294 | 15 | 278 |
| 221, 847 | Moore, Edward, Portland, Me., assignor of one-half interest to A. R. Wright, Geneva, N. Y. Concrete-skip | Nov. 18, 1879 | 827 | 230 | 16 | 943 |
| 221, 848 | Same.....Derrick | Nov. 18, 1879 | 828 | 231, 232 | 16 | 943 |
| 214, 687 | Moore, Frank O. C., Denver, Colo., assignor to self and J. T. Nevin, Leet Township, Allegheny County, Pa. Branding-stamp | Apr. 22, 1879 | 1134 | 318 | 15 | 641 |
| 218, 763 | Moore, George F., assignor to Mousam Manufacturing Company, Kennebunk, Me. Machine for molding and shaping counter-stiffeners for boots and shoes | Aug. 19, 1879 | 760 | 215 | 16 | 343 |
| 214, 304 | Moore, George R., Philadelphia, Pa. Ventilating water-closets | Apr. 15, 1879 | 687 | 192 | 15 | 577 |
| 215, 279 | Same..... Ventilator | May 13, 1879 | 362 | 105 | 15 | 751 |
| 217, 019 | Moore, George W., and J. W. Pertz, Pittsburg, Pa. Balance-valve | July 1, 1879 | 99 | 29 | 16 | 15 |
| 217, 395 | Same.....Balance steam-valve | July 8, 1879 | 521 | 150 | 16 | 78 |
| 217, 811 | Moore, Gilpin, assignor to Deere & Co., Moline, Ill. Cultivator | July 22, 1879 | 1004 | 288 | 16 | 163 |
| 221, 339 | Moore, James C., Saltsburg, Pa. Paper file and holder | Nov. 4, 1879 | 228 | 62 | 16 | 844 |
| 221, 416 | Moore, James L., Anson County, N. C. Horse-power machine | Nov. 11, 1879 | 325 | 89 | 16 | 866 |
| 216, 096 | Moore, Jefferson D., Cokesbury, S. C. Cotton-tie fastener | June 3, 1879 | 94 | 28 | 15 | 897 |
| 217, 634 | Moore, John C., Jacksonville, Fla., assignor to J. C. Chambers, Cincinnati, Ohio. Pail-lid or barrel-cover | July 15, 1879 | 796 | 226 | 16 | 125 |
| 217, 893 | Moore, Jesse H., Aledo, Ill. Sulky-plow | July 29, 1879 | 1111 | 319 | 16 | 184 |
| 222, 933 | Moore, John, assignor to Winchester Repeating Arms Company, New Haven, Conn. Bullet-machine | Dec. 23, 1879 | 957 | 275 | 16 | 1172 |
| 212, 485 | Moore, John W., Wilmington, Del. Wire-guide for paper-machines | Feb. 18, 1879 | 779 | 215 | 15 | 232 |
| 216, 525 | Moore, John W., and J. A. Svedberg, Washington, D. C. Car-starter | June 17, 1879 | 597 | 169 | 15 | 977 |
| 222, 418 | Moore, Joseph, and G. W. Dickie, San Francisco, Cal. Operating pumps | Dec. 9, 1879 | 341 | 96 | 16 | 1066 |
| 221, 738 | Moore, Lewis A., and J. Dykes, Oreana, Nev. Cam for stamp-mills | Nov. 18, 1879 | 694 | 194 | 16 | 925 |
| | Moore, Robert R. (*See* Fort & Moore.) | | | | | |
| 213, 233 | Moore, Rufus, and P. D. Bruner, assignors to said Moore, Kingsville, Ontario, Canada. Fruit-drier | Mar. 11, 1879 | 546 | 151 | 15 | 375 |
| 215, 017 | Moore, Samuel W., assignor to self and J. Vickenhiser, Lambertville, N. J. Harvester. | May 6, 1879 | 39 | 12 | 15 | 707 |
| | Moore, Stephen. (*See* Williams, Moore & Hurlbut.) | | | | | |
| 215, 534 | Moore, Stephen, Sudbury, Mass. Crimping the uppers of boots and shoes | May 20, 1879 | 656 | 191 | 15 | 800 |
| 213, 056 | Moore, W. George, Indianapolis, Ind. Tinware vessel | Mar. 11, 1879 | 342 | 96 | 15 | 349 |
| 219, 292 | Moore, William, Kokomo, Ind. Steam-boiler | Sept. 2, 1879 | 269 | 76 | 16 | 445 |
| 219, 496 | Same..... Steam-engine | Sept. 9, 1879 | 506 | 140 | 16 | 484 |
| 214, 688 | Moore, William A., Champaign, Ill. Clothes-pounder | Apr. 22, 1879 | 1134 | 319 | 15 | 641 |
| 217, 473 | Moore, William T., Brownville, Nebr. Music-leaf turner | July 15, 1879 | 621 | 177 | 16 | 103 |
| | Moored, Wesley. (*See* Brown, Samuel, assignor.) | | | | | |
| 211, 252 | Moos, John S., assignor of one-half interest to A. W. Lloyd, Llincoln, Ill. Check-rower. | Jan. 7, 1879 | 188 | 55 | 15 | 25 |
| 216, 438 | Morand, William, Troy, N. Y. Stove and range top center-piece | June 10, 1879 | 494 | 141 | 15 | 955 |
| | Morehead, Charles R., jr. (*See* Matthews & Morehead.) | | | | | |
| 221, 849 | Morehouse, Thomas H. B., Lansing, Mich. Clothes-pounder | Nov. 18, 1879 | 829 | 232 | 16 | 943 |
| 219, 590 | Morehouse, William, Buffalo, N. Y. Carbureter | Sept. 16, 1879 | 609 | 170 | 16 | 506 |
| 212, 318 | Moreland, Bun, Pataskala, Ohio. Harvester-reel | Feb. 18, 1879 | 576 | 161 | 15 | 206 |
| 217, 020 | Moreland, Henry J., Pittsburg, Pa. Tug-link | July 1, 1879 | 100 | 29 | 16 | 16 |
| 221, 181 | Same.....same | Nov. 4, 1879 | 48 | 13 | 16 | 819 |
| 220, 768 | Morewood, Edmund, Llanelly, Carmarthen County, South Wales. Manufacture of tin and terne-plate | Oct. 21, 1879 | 652 | 174 | 16 | 738 |
| 220, 769 | Same.....Apparatus for coating sheet-metal | Oct. 21, 1879 | 656 | 174, 175 | 16 | 739 |
| | Morey, H. L. (*See* Binga, M. William, assignor.) | | | | | |
| 215, 149 | Morey, Nathan D., Saratoga Springs, N. Y. Stove-pipe thimble | May 6, 1879 | 198 | 56 | 15 | 726 |
| | Morey, Simon B. (*See* Blythe & Morey.) | | | | | |
| 213, 679 | Morfit, Campbell, London, England. Preserving and condensing fresh food | Mar. 25, 1879 | 1039 | ..... | 15 | 456 |
| 219, 591 | Morgan, Alfred W., Indianapolis, Ind. Self-adjusting filterer and cut-off | Sept. 16, 1879 | 610 | 170 | 16 | 506 |
| 213, 522 | Morgan, Charles H., Worcester, Mass. Wire-annealing apparatus | Mar. 25, 1879 | 862 | 245 | 15 | 433 |
| 214, 578 | Morgan, Charles H., and H. A. Young; said Young assignor to Washburn & Moen Manufacturing Company, Worcester, Mass. Rolling-mill | Apr. 22, 1879 | 1019 | 287 | 15 | 627 |
| 220, 033 | Morgan, Charles H., Worcester, Mass. Guide for wire-rod-rolling mills | Sept. 30, 1879 | 1123 | 310 | 16 | 594 |
| 220, 300 | Same.....Reeling mechanism for rod-rolling machines | Oct. 7, 1879 | 101 | 27 | 16 | 649 |
| | Morgan, Dayton S. (*See* Bordwell, Joseph, assignor.) | | | | | |
| 216, 338 | Morgan, Edgar M., Santa Cruz, Cal. Sectional nut and collar | June 10, 1879 | 384 | 109 | 15 | 940 |
| 216, 572 | Morgan, Elias M., assignor to H. Rentchler, Belleville, Ill. Grain-drill | June 17, 1879 | 646 | 183 | 15 | 984 |
| 216, 751 | Morgan, Elisha, jr., assignor to Chicago Stamping Company, Chicago, Ill. Shipping-case for oil-cans | June 24, 1879 | 859 | 243, 244 | 15 | 1021 |
| 221, 340 | Morgan, Francis M., Walhalla, S. C. Motor | Nov. 4, 1879 | 228 | 62 | 16 | 844 |
| 212, 486 | Morgan, George C., Chicago, Ill. Street-hydrant | Feb. 18, 1879 | 780 | 216 | 15 | 232 |
| 214, 306 | Morgan, Hugh H., Chicago, Ill., and W. R. Anderson, Cleveland, Ohio. Bolt-cutter head | Apr. 15, 1879 | 688 | 193 | 15 | 577 |
| 213, 678 | Morgan, Isaac, Augusta, Ga. Separator for flour-mills | Mar. 25, 1879 | 1038 | 295 | 15 | 456 |
| | Morgan, James. (*See* Arno, Oliver H., assignor.) | | | | | |
| 213, 924 | Morgan, James L., Mount Vernon, N. Y., assignor to J. B. Brewster & Co. Corner-iron for wagon-bodies | Apr. 1, 1879 | 207 | 60 | 15 | 499 |
| | Morgan, James T. (*See* Barrow, Benjamin F., assignor.) | | | | | |
| 213, 057 | Morgan, John H., Ashkum, Ill. Seed-planter | Mar. 11, 1879 | 343 | 96, 97 | 15 | 349 |
| 213, 923 | Morgan, Joseph, jr., Wilmington, Del., assignor to W. and J. Sellers, jr., Philadelphia, Pa. Portable railway-track | Apr. 1, 1879 | 206 | 60 | 15 | 499 |
| 8, 878 | Morgan, Lyman, Ozaukee, Wis. Casting (Reissue) | Sept. 2, 1879 | 327 | 92 | 16 | 453 |
| 8, 879 | Same..... Stave for smut-machine cases (Reissue) | Sept. 2, 1879 | 327 | 93 | 16 | 454 |
| 214, 051 | Morgan, Richard H., Providence, R. I. Car-chair | Apr. 8, 1879 | 374 | 106 | 15 | 528 |
| 218, 130 | Morgan, Sidney S., Odell, Ill. Road scraper and grader | Aug. 5, 1879 | 26 | 8 | 16 | 224 |
| 212, 042 | Morgan, Stephen W., Winona, Minn. Safety device for main-springs | Feb. 4, 1879 | 254 | 69 | 15 | 158 |
| 218, 304 | Morgan, Thomas, and J. F. Neidhart, Marquette, Mich. Pot-hail and lid-holder | Aug. 5, 1879 | 219 | 59 | 16 | 250 |
| 213, 126 | Morgan, Thomas R., sr., Alliance, Ohio, assignor to W. D. Wood & Co., Pittsburg, Pa. Pan-forming machine | Mar. 11, 1879 | 428 | 118, 119 | 15 | 360 |
| 213, 770 | Morgan, Thomas R., Alliance, Ohio. Feeding apparatus for punching-machines | Apr. 1, 1879 | 40 | 13, 14 | 15 | 478 |
| 215, 280 | Same .... Clutching device for punching-machines | May 13, 1879 | 363 | 105 | 15 | 751 |
| 211, 923 | Morgan, William, Cleveland, Ohio. Machine for cutting wood spirals | Feb. 4, 1879 | 116 | 33 | 15 | 141 |
| 221, 341 | Morgan, William J., assignor of two-thirds interest to M. Calvert and O. S. Price, Hillsborough, Ohio. Thill coupling and support | Nov. 4, 1879 | 229 | 62 | 16 | 844 |
| 212, 149 | Morgenecier, Johann W., Sheboygan, Wis. Hinge | Feb. 11, 1879 | 381 | 104 | 15 | 177 |
| | Moriarty, Daniel. (*See* Losee & Moriarty.) | | | | | |
| 222, 299 | Moriarty, Thomas, Lincoln, R. I. Water-meter | Dec. 2, 1879 | 205 | 54 | 16 | 1037 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Drg. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 212, 728 | Morin, François J., and R. Seillière, Paris, France. Rotary dynamometer | Feb. 25, 1879 | 1061 | 294 | 15 | 278 |
| 219, 592 | Morison, George A., and N. A. Anker, Jersey City, N. J. Fire-extinguisher | Sept. 16, 1879 | 611 | 171 | 16 | 507 |
| 217, 474 | Morison, William C., assignor of one-half interest to J. Calvert, San Francisco, Cal. Machine for crushing and grinding rock, &c | July 15, 1879 | 622 | 178 | 16 | 103 |
| | Morley, Martin. (*See* Crossley, Morley & Thomas.) | | | | | |
| 222, 363 | Morlot, George, Paterson, N. J. Machine for washing and beating skeins or hanks | Dec. 9, 1879 | 282 | 79 | 16 | 1057 |
| 216, 437 | Morpeth, Thomas E., Plains, Pa. Rock and coal drilling machine | June 10, 1879 | 493 | 141 | 15 | 955 |
| 222, 964 | Morrell, Emory J., Petrolia, Ontario, Canada. Advertising-frame | Dec. 23, 1879 | 959 | 275 | 16 | 1173 |
| 219, 753 | Morrell, John, assignor to self, H. Hanson, and W. L. Rood, Boston, Mass. Last | Sept. 16, 1879 | 792 | 219 | 16 | 531 |
| | Morrill, A., *et al.* (*See* Pingree, Charles A., assignor.) | | | | | |
| 211, 768 | Morris, Almon T., Bucyrus, Ohio. Portable fence | Jan. 28, 1879 | 818 | 230 | 15 | 112 |
| 218, 394 | Morris, Charles, Chicago, Ill. Rocket | Aug. 12, 1879 | 331 | 91 | 16 | 276 |
| 215, 472 | Morris, Charles M., Albany, N. Y. Stove-leg | May 20, 1879 | 587 | 173 | 15 | 790 |
| 222, 596 | Morris, Charles M., assignor of one-half interest to J. Clarke, jr., Albany, N. Y. Stove-leg | Dec. 16, 1879 | 568 | 161 | 16 | 1106 |
| 216, 098 | Morris, David and T., San Francisco, Cal., assignors of one-half interest to A. S. Gross, Portland, Oreg. Door-knob attachment | June 3, 1879 | 96 | 28 | 15 | 897 |
| | Morris, David M. (*See* Stock & Morris.) | | | | | |
| 221, 693 | Morris, Edward L., Boston, Mass. Toy | Nov. 18, 1879 | 642 | 180 | 16 | 918 |
| 214, 785 | Morris, Eli, assignor of one-half interest to J. A. Peckham, New Haven, Conn. Screw-driver | Apr. 29, 1879 | 1259 | 352 | 15 | 665 |
| 215, 765 | Morris, Frank, Norfolk, Va. Tag-fastener | May 27, 1879 | 910 | 267 | 15 | 842 |
| | Morris, Henry. (*See* Dunlap, William, assignor.) | | | | | |
| 212, 487 | Morris, John B., Cincinnati, Ohio. Sash-fastener | Feb. 18, 1879 | 781 | 216 | 15 | 232 |
| 219, 497 | Morris, John W., Moss Point, Miss. Gang circular saw mill | Sept. 9, 1879 | 508 | 141 | 16 | 485 |
| | Morris, Nelson. (*See* Greenhut, Joseph B., assignor.) | | | | | |
| 213, 771 | Morris, Robert C., Olney, Ill., and H. H. McLane, San Antonio, Tex. Manifold-writing tablet | Apr. 1, 1879 | 43 | 14 | 15 | 478 |
| 217, 544 | Morris, Robert C., Olney, Ill., assignor of one-half interest to H. H. McLane, San Antonio, Tex. Cooler for railway-car journals | July 15, 1879 | 695 | 198 | 16 | 113 |
| 218, 131 | Morris, Robert C., Olney, Ill., and H. H. McLane, San Antonio, Tex. Car-axle box | Aug. 5, 1879 | 27 | 8 | 16 | 224 |
| 220, 488 | Morris, Robert C., Olney, Ill., assignor of one-half interest to H. H. McLane, San Antonio, Tex. Sheet-metal vessel | Oct. 14, 1879 | 318 | 84 | 16 | 686 |
| 220, 489 | Same.....Angle-plate for doors | Oct. 14, 1879 | 319 | 84 | 16 | 686 |
| | Morris, Theodore. (*See* Morris, David and T.) | | | | | |
| 215, 957 | Morris, Walter J., New York, N. Y. Furnace for cremating garbage, &c | May 27, 1879 | 1129 | 327 | 15 | 869 |
| 220, 859 | Morris, Warren L., Victory, Ga. Baling-press | Oct. 21, 1879 | 752 | 201 | 16 | 751 |
| 214, 305 | Morrison, Alexander, Harrisburg, Pa. Nail-distributer | Apr. 15, 1879 | 687 | 193 | 15 | 577 |
| 219, 003 | Morrison, Benjamin P., Abingdon, Va. Fence-post | Aug. 26, 1879 | 1055 | 298 | 16 | 393 |
| | Morrison, Caroline L. (*See* Morrison, Hiram B., assignor.) | | | | | |
| 219, 293 | Morrison, Henry, Pittsburg, Pa. Ribbon-gold spool for dental use | Sept. 2, 1879 | 271 | 76 | 16 | 446 |
| 223, 003 | Morrison, Hiram B., Le Roy, assignor, by mesne assignments, to C. L. Morrison, Batavia, N. Y. Bean-puller | Dec. 30, 1879 | 1043 | 299 | 16 | 1195 |
| 212, 968 | Morrison, Horatio B., Mason City, Iowa. Stove-pipe safe and register | Mar. 4, 1879 | 235 | 64 | 15 | 327 |
| 216, 097 | Same .... Stove-pipe thimble | June 3, 1879 | 95 | 28 | 15 | 897 |
| 221, 248 | Morrison, James D., and J. C. Tietjens, Lyons, Iowa. Windmill | Nov. 4, 1879 | 119 | 32 | 16 | 829 |
| 223, 058 | Morrison, James F., Bellaire, Ohio. Device for medicinal inhalation | Dec. 30, 1879 | 1105 | ..... | 16 | 1203 |
| 216, 212 | Morrison, James W., Clinton, Ill. Grain-separator | June 3, 1879 | 213 | 63 | 15 | 912 |
| 220, 639 | Morrison, James W., Clinton, Ill., assignor to G. W. Gist and B. J. Rollin, Letart, W. Va. Grain-separator | Oct. 14, 1879 | 495 | 130 | 16 | 769 |
| 218, 894 | Morrison, John E., and P. Probert, Pittsburg, Pa. Gasket for chambers, water-closets, &c | Aug. 26, 1879 | 943 | 265 | 16 | 378 |
| | Morrison, Thomas W. (*See* Warnock, Walter F., assignor.) | | | | | |
| 216, 289 | Morrison, Thomas W., Newark, N. J. Sewing-machine | June 10, 1879 | 320 | 95 | 15 | 932 |
| 216, 339 | Same.....same | June 10, 1879 | 385 | 110 | 15 | 940 |
| 213, 295 | Morrison, William N., Brooklyn, N. Y. Safety-guard for street-cars | Mar. 18, 1879 | 629 | 177 | 15 | 394 |
| 213, 441 | Morse, Alvarardo K., Living Springs, Iowa. Churn | Mar. 18, 1879 | 771 | 217 | 15 | 413 |
| 216, 436 | Morse, Andrew H., Norwich, Conn. Sulky attachment for buggies | June 10, 1879 | 492 | 141 | 15 | 954 |
| 217, 894 | Morse, Andrew J., Boston, Mass. Hose-coupling | July 29, 1879 | 1112 | 319 | 16 | 184 |
| 220, 301 | Morse, David R., Brooklyn, N. Y. Drying-floor | Oct. 7, 1879 | 104 | 28 | 16 | 649 |
| 214, 174 | Morse, Emma E., Charlestown, Mass. Folding chair | Apr. 8, 1879 | 515 | 147 | 15 | 545 |
| 216, 803 | Morse, Frank F., Athol, Mass. Folding settee | June 24, 1879 | 920 | 262 | 15 | 1029 |
| | Morse, George A. (*See* Shuman, Thomas, assignor.) | | | | | |
| 216, 802 | Morse, Henry T., Athol, Mass. Construction of hulls of vessels | June 24, 1879 | 920 | 262 | 15 | 1029 |
| 215, 150 | Morse, Hermon F., East Foxborough, Mass. Holdback for vehicles | May 6, 1879 | 198 | 56 | 15 | 726 |
| 212, 255 | Morse, James O., Englewood, N. J. Pipe-cutter and screw-former | Feb. 11, 1879 | 495 | 138 | 15 | 192 |
| 212, 256 | Same.....Pipe-cutter | Feb. 11, 1879 | 497 | 138 | 15 | 192 |
| | Morse, Joseph E. (*See* Osgood & Morse.) | | | | | |
| 220, 302 | Morse, Orville M., assignor to Howes, Babcock & Co., Silver Creek, N. Y. Flour-packer | Oct. 7, 1879 | 104 | 28 | 16 | 649 |
| 215, 958 | Morse, Robert A., Milwaukee, Wis. Buck-board wagon | May 27, 1879 | 1131 | 328 | 15 | 869 |
| 213, 343 | Morstatt, George W., New York, N. Y. Shutter | Mar. 18, 1879 | 680 | 191 | 15 | 401 |
| 216, 699 | Mortensen, Rasmus, Milwaukee, Wis. Stump-extractor | June 3, 1879 | 96 | 28 | 15 | 897 |
| 222, 149 | Mortimer, Furmin F., Florence, assignor of one-half interest to G. G. Bahntge, Charleston, S. C. Locomotive-pilot | Dec. 2, 1879 | 39 | 10 | 16 | 1014 |
| 220, 490 | Morton, Albanus W., Brooklyn, N. Y., assignor of one-half interest to G. A. Bush, Rahway, N. J. Atmospheric-gas burner | Oct. 14, 1879 | 320 | 85 | 16 | 687 |
| 217, 741 | Morton, Ephraim S., assignor to self, J. H. Parks, and H. W. Loring, Plymouth, Mass. Bow | July 22, 1879 | 935 | 268 | 16 | 153 |
| 217, 812 | Morton, George B., assignor of one-third interest to T. H. Arnold, Memphis, Tenn. Knot-tier for grain-binders | July 22, 1879 | 1005 | 288 | 16 | 163 |
| 218, 048 | Morton, Joseph V., Winchester, Ky. Latch | July 29, 1879 | 1278 | 365 | 16 | 205 |
| 218, 555 | Same..... Balance-wheel | Aug. 12, 1879 | 522 | 146 | 16 | 302 |
| 215, 653 | Morton, Matthew, Romeo, Mich. Valve | May 20, 1879 | 790 | 231 | 15 | 818 |
| 215, 535 | Morton, Samuel S., York County, Pa. Fertilizer-distributer | May 20, 1879 | 657 | 191 | 15 | 800 |
| 220, 166 | Morton, Warner G., Pittsfield, Mass. Label-holder | Sept. 30, 1879 | 1286 | 353 | 16 | 616 |
| 218, 556 | Moseley, Charles S., and A. Bitner, Lancaster, Pa. Safety-pinion for watches and clocks | Aug. 12, 1879 | 522 | 147 | 16 | 302 |
| 212, 484 | Moseley, Fredrick W., assignor to self and M. O. Stoddard, Poultney, Vt. Bottom for sheet-metal vessels | Feb. 18, 1879 | 779 | 215 | 15 | 232 |
| 218, 765 | Moseley, Fredrick W., Poultney, Vt. Milk-cooler | Aug. 19, 1879 | 761 | 216 | 16 | 343 |
| 219, 498 | Moser, Charles, Cincinnati, Ohio. Apparatus for expelling paints from cans | Sept. 9, 1879 | 508 | 141 | 16 | 485 |
| | Moser & Lyon. (*See* Butler, Ebenezer, assignor).....(Reissue.) | | | | | |
| 211, 426 | Moses, Robert H., New York, N. Y. Candy toy | Jan. 14, 1879 | 405 | 115 | 15 | 52 |
| 215, 151 | Same.....same | May 6, 1879 | 199 | 57 | 15 | 726 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216, 628 | Moses, Robert H., New York, N. Y. Candy toy | June 17, 1879 | 707 | 202 | 15 | 992 |
| 221, 932 | Moses, William H., assignor of one-third interest to A. Graham, Shawsville, Va. Cleaning belting-cloth | Nov. 25, 1879 | 943 | ..... | 16 | 968 |
| 222, 196 | Mosher, George D., New Hartford, Conn. Harness-buckle | Dec. 2, 1879 | 91 | 22 | 16 | 1021 |
| 214, 517 | Mosher, Nelson, East Venice, N. Y. Crosscut-saw handle | Apr. 22, 1879 | 959 | 269 | 15 | 619 |
| 218, 764 | Mosher, Thomas B., Portland, Me. Ruler | Aug. 19, 1879 | 761 | 216 | 16 | 343 |
| 222, 720 | Mosman, David, New Britain, Conn. Buckle-shield | Dec. 16, 1879 | 709 | 204 | 16 | 1127 |
| 8, 698 | Mossman, Robert D., Bristol, N. H. Machine for making wood-pulp for paper. (Reissue) | May 6, 1879 | 257 | 75 | 15 | 735 |
| 219, 294 | Mote, John R., Antwerp, Ohio. Photographic apparatus | Sept. 2, 1879 | 272 | 77 | 16 | 446 |
| 221, 850 | Mott, Garret S., Philadelphia, Pa. Duplex telegraph | Nov. 18, 1879 | 830 | 232 | 16 | 943 |
| | Mott Iron Works, J. L. (*See* Demarest, John, assignor.) | | | | | |
| 214, 175 | Mott, John M., Chicago, Ill. Ink-well lid | Apr. 8, 1879 | 516 | 147 | 15 | 545 |
| 214, 176 | Motter, Jacob V., New York, assignor of one-half interest to R. H. Burns, Brooklyn, N. Y. Feeding air to furnaces | Apr. 8, 1879 | 517 | 147 | 15 | 545 |
| 219, 171 | Mougey, Alexander J., Carthage, N. Y. Hub-boring machine | Sept. 2, 1879 | 126 | 38 | 16 | 428 |
| 219, 823 | Moulton, Henry S., Rockland, Mass. Weather-guard for window-frames | Sept. 23, 1879 | 893 | 246 | 16 | 554 |
| 222, 935 | Moulton, William F., Jericho, Vt. Water-tubing | Dec. 23, 1879 | 960 | 275 | 16 | 1173 |
| 212, 488 | Mounteney, William B., Chicago, Ill. Diaphragm for water-meters | Feb. 18, 1879 | 782 | 216 | 15 | 233 |
| 213, 680 | Same.....Diaphragm-meter | Mar. 25, 1879 | 1041 | 295, 296 | 15 | 456 |
| 222, 721 | Mourer, Martin L., Dayton, Ohio. Wheat-heater | Dec. 16, 1879 | 709 | 204 | 16 | 1127 |
| | Mousam Manufacturing Company. (*See* Moore, George F., assignor.) | | | | | |
| 212, 861 | Mower, Samuel, Milford, Conn. Machine for driving staples in lasting boots and shoes. | Mar. 4, 1879 | 93 | 27 | 15 | 310 |
| 212, 815 | Mower, Samuel E., assignor to H. G. Thompson, trustee, Milford, Conn. Lasting-machine | Mar. 4, 1879 | 38 | 13 | 15 | 302 |
| 216, 213 | Mowry, Junius B., Foxborough, Mass. Former for straw and other hats and caps | June 3, 1879 | 214 | 64 | 15 | 912 |
| 220, 640 | Mozart, Thomas J., assignor of one-half interest to B. F. Tucker, Springfield, Mass. Sifter | Oct. 14, 1879 | 496 | 130 | 16 | 709 |
| 212, 106 | Muchmore, David B., Madison, N. J. Casing for hot-air furnaces, &c | Feb. 11, 1879 | 331 | 91 | 15 | 170 |
| 212, 150 | Muck, Friedrich F. E., Bochum, Germany. Artificial fuel | Feb. 11, 1879 | 381 | 104 | 15 | 177 |
| 213, 234 | Mudd, Robert L., Greenville, Ill. Tax-calculator | Mar. 11, 1879 | 546 | 151, 152 | 15 | 375 |
| 216, 100 | Mudgett, Isaac N., Chelsea, Mass. Boot and shoe | June 3, 1879 | 97 | 29 | 15 | 897 |
| | Mueller, Edward L. (*See* Stevens, John L., assignor.) | | | | | |
| 221, 088 | Mueller, Jacob, and P. W. Wiedboldt, Manitowoc, Wis. Window-screen | Oct. 28, 1879 | 1038 | 275 | 16 | 797 |
| 220, 167 | Mueller, Joseph, Newark, N. J. Hat and cap combined | Sept. 30, 1879 | 1286 | 353 | 16 | 616 |
| 213, 235 | Mueller, Onno, La Grange, Tex. Fumigating apparatus for exterminating insects | Mar. 11, 1879 | 548 | 152 | 15 | 375 |
| 219, 593 | Mueller, Theodore, assignor to T. B. Hagstoz and C. N. Thorpe, Philadelphia, Pa. Manufacture of bezels of watch-cases | Sept. 16, 1879 | 612 | 171 | 16 | 507 |
| 219, 594 | Same.....Device for manufacturing centers for watch-cases | Sept. 16, 1879 | 613 | 171 | 16 | 507 |
| 219, 595 | Same.....Manufacturing the pendants of watches | Sept. 16, 1879 | 615 | 172 | 16 | 507 |
| 211, 104 | Mulford, Daniel L., New York, assignor to J. O. Adsit, Hornellsville, N. Y. Mucilage-holder | Jan. 7, 1879 | 26 | 9 | 15 | 4 |
| 221, 739 | Mulford, D. Gardiner, Brooklyn, N. Y., assignor to self and C. E. Baltz, Rahway, N. J. Whisk-broom holder | Nov. 18, 1879 | 695 | 195 | 16 | 926 |
| 221, 694 | Mulholland, Francis X., Philadelphia, Pa. Spring-trap for throwing target-balls | Nov. 18, 1879 | 642 | 180 | 16 | 919 |
| 215, 654 | Mulkey, George H., assignor of one-half interest to D. Jones, Fort Worth, Tex. Saw-cleaning attachment for cotton-gins | May 20, 1879 | 790 | 231 | 15 | 818 |
| 220, 408 | Mull, Benjamin F., Merced, Cal. Windlass and derrick for boring artesian and other wells | Oct. 7, 1879 | 220 | 59 | 16 | 665 |
| 220, 542 | Same.....Implement for grappling, withdrawing, and perforating pipes and tubes in artesian wells | Oct. 14, 1879 | 382 | 99 | 16 | 694 |
| 221, 596 | Mullarky, Owen E., Cedar Falls, Iowa. Railway-tie | Nov. 11, 1879 | 533 | 147 | 16 | 895 |
| | Mullens, James, *et al.* (*See* Hartley, Roger, assignor.) | | | | | |
| 222, 936 | Müller, Adelbert O., Fremont, Nebr. Bung-bush | Dec. 23, 1879 | 961 | 276 | 16 | 1173 |
| 217, 895 | Müller, Adolf, assignor to H. T. Koerner, Berlin, Prussia, Germany. Lamp | July 29, 1879 | 1113 | 319 | 16 | 184 |
| 213, 127 | Müller, Adolph, Lenzen, Prussia. Churn | Mar. 11, 1879 | 432 | 119, 120 | 15 | 360 |
| 217, 235 | Muller, Edward, New York, N. Y. Manufacture of bitartrate of potassa | July 8, 1879 | 356 | ..... | 16 | 57 |
| 222, 598 | Same.....Manufacture of cream of tartar | Dec. 16, 1879 | 570 | 162 | 16 | 1106 |
| 214, 307 | Müller, George, New York, N. Y. Elevator | Apr. 15, 1879 | 689 | 193 | 15 | 577 |
| 216, 526 | Muller, George, Newport, R. I. Toy | June 17, 1879 | 599 | 169 | 15 | 977 |
| 219, 970 | Müller, Karl, Fordham (New York), N. Y. Turning implement for lathes | Sept. 23, 1879 | 1048 | 291 | 16 | 575 |
| 217, 545 | Müller, John P., Burlington, Iowa. Hemmer for sewing-machines | July 15, 1879 | 696 | 199 | 16 | 113 |
| 218, 825 | Same.....Washing-machine | Aug. 26, 1879 | 854 | 240 | 16 | 365 |
| 219, 004 | Müller, Robert, and H. Böckel, Scheenbeck, Prussia. Manufacture of iodine and bromine | Aug. 26, 1879 | 1056 | 298 | 16 | 393 |
| 219, 499 | Mulligan, Martin, Troy, N. Y. Ventilating waste-pipes in houses | Sept. 9, 1879 | 509 | 141 | 16 | 485 |
| 222, 930 | Mullikin, Edward W., assignor to St. John Sewing Machine Company, Springfield, Ohio. Sewing-machine shuttle | Dec. 23, 1879 | 954 | 274 | 16 | 1172 |
| 219, 295 | Mullins, John W., London, Ky. Device for overcoming the dead-centers | Sept. 2, 1879 | 273 | 77 | 16 | 446 |
| 8, 852 | Mulock, Daniel, Mount Hope, N. Y., assignor to Aultman & Taylor Company, Mansfield, Ohio. Wheel for vehicles (Reissue) | Aug. 12, 1879 | 596 | 168 | 16 | 312 |
| 212, 393 | Mulvey, James W., Kidder, Mo. Toothless harrow | Feb. 18, 1879 | 663 | 186 | 15 | 217 |
| 223, 059 | Mumbrue, William B., Montour, Iowa. Fruit-drier | Dec. 30, 1879 | 1106 | 314 | 16 | 1203 |
| 212, 862 | Mumford, Lucian C., San Francisco, Cal. Sewing and embroidering machine | Mar. 4, 1879 | 94 | 28 | 15 | 310 |
| 212, 863 | Mumford, Lucian C., assignor of one-half interest to H. A. Mead, San Francisco, Cal. Cork-extracter | Mar. 4, 1879 | 96 | 28 | 15 | 310 |
| 214, 427 | Munch, William A., Groton, N. Y. Violin-bow | Apr. 15, 1879 | 834 | 234 | 14 | 595 |
| | Mundy, Ellis L., *et al.* (*See* Beckwith, Charles E., assignor.) | | | | | |
| 8, 605 | Munger, George, Madison, Conn., assignor, by mesne assignments, to A. H. Andrews & Co., Chicago, Ill. School desk and seat (Reissue) | Mar. 4, 1879 | 300 | 84 | 15 | 335 |
| 8, 721 | Munger, Robert S., Mexia, Tex. Cotton-gin-saw cleaner (Reissue) | May 20, 1879 | 851 | 249 | 15 | 826 |
| 217, 813 | Same.....same | July 22, 1879 | 1007 | 288 | 16 | 163 |
| 214, 518 | Munger, Joseph, assignor to Scoville Manufacturing Company, Waterbury, Conn. Wheel for furniture-casters | Apr. 22, 1879 | 960 | 269 | 15 | 619 |
| | Munger, Wallace T. (*See* Brooks & Munger.) | | | | | |
| 215, 281 | Munn, Francis, Strathroy, assignor to W. Thomson and W. Culvert, Toronto, Canada. Sash-balance | May 13, 1879 | 364 | 105 | 15 | 752 |
| 216, 439 | Munn, Samuel G., Chicago, Ill. Feed-water heater | June 10, 1879 | 496 | 142 | 15 | 955 |
| 8, 696 | Munn, William B., Camden, N. J. Machine for making lightning-rods (Reissue) | May 6, 1879 | 254 | 75 | 15 | 735 |
| | Munro, Alexander W. (*See* Kelly, Robert, assignor.) | | | | | |
| | Munsell, Harvey M. (*See* Smith & Munsell.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 221, 597 | Munson, Aden K., Marysville, Kans. Sulky-plow | Nov. 11, 1879 | 534 | 147 | 16 | 895 |
| 214, 417 | Munson, Andrew M., Lee, Ill. Wire barbed fence | Apr. 15, 1879 | 825 | 231 | 15 | 594 |
| 219, 500 | Munson, Ira F., Washington, D. C. Vehicle-wheel | Sept. 9, 1879 | 510 | 141, 142 | 16 | 485 |
| 213, 584 | Munson, Thomas V., Denison City, Tex. Scuffle-hoe | Mar. 25, 1879 | 934 | 265 | 15 | 441 |
| 217, 814 | Munthe, Thour, assignor of one-half interest to A. Haegg, Rockford, Ill. Glove | July 22, 1879 | 1008 | 289 | 16 | 163 |
| 218, 637 | Murch, Chauncey M., Cincinnati, Ohio. Vehicle | Aug. 19, 1879 | 627 | 177 | 16 | 324 |
| 212, 489 | Murch, Harvey, Lebanon, N. H. Mop-head | Feb. 18, 1879 | 783 | 217 | 15 | 233 |
| | Murchison, Duncan L. (*See* Murchison, Kenneth and D. L.) | | | | | |
| 213, 058 | Murchison, Kenneth and D. L., Kewanee, Ill. Machinery for regulating the supply of water to tanks | Mar. 11, 1879 | 344 | 97 | 15 | 349 |
| 222, 198 | Murdock, Charles F., and F. G. Beach, Detroit, Mich. Elevator-hatchway | Dec. 2, 1879 | 92 | 23 | 16 | 1021 |
| 216, 340 | Murdock, James, jr., Cincinnati, Ohio. Holder for type for hand-stamps | June 10, 1879 | 387 | 110 | 15 | 940 |
| 217, 546 | Same.....Hand-stamp | July 15, 1879 | 697 | 199 | 16 | 113 |
| 213, 524 | Murdock, John, South Carver, Mass. Bail for hollow ware | Mar. 25, 1879 | 864 | 246 | 15 | 433 |
| 222, 150 | Murdock, Ransom R., Paxton, Ill. Thill-coupling | Dec. 2, 1879 | 40 | 10 | 16 | 1015 |
| 213, 523 | Murgatroyd, Thomas, Clarinda, Iowa. Flower and work stand | Mar. 25, 1879 | 863 | 246 | 15 | 433 |
| | Murphey, Frank P. (*See* Murphey, George W. and F. P.) | | | | | |
| 221, 089 | Murphey, George W. and F. P., Macon County, Ill. Check-rower for corn-planters | Oct. 28, 1879 | 1038 | 275 | 16 | 798 |
| 222, 197 | Same.....Corn-planter | Dec. 2, 1879 | 91 | 23 | 16 | 1021 |
| 219, 971 | Murphin, Joseph, assignor of one-half interest to A. B. Richman, Malaga, N. J. Hermetic sealing apparatus | Sept. 23, 1879 | 1049 | 291 | 16 | 575 |
| 220, 641 | Murphin, Joseph, assignor to self and T. Leach, Malaga, N. J. Air-exhaust apparatus | Oct. 14, 1879 | 498 | 131 | 16 | 709 |
| 220, 642 | Same.....Jar for preserving fruit and vegetables | Oct. 14, 1879 | 499 | 131 | 16 | 710 |
| 222, 722 | Murphy, Bernard T., Marengo, Iowa. Adjustable roller-hinge | Dec. 16, 1879 | 710 | 204 | 16 | 1127 |
| | Murphy, Charles B. (*See* Buffington, Lewis C., assignor.) | | | | | |
| 212, 394 | Murphy, Daniel H., Plainville, assignor of one-half interest to G. J. Capewell, Cheshire, Conn. Egg cup and opener | Feb. 18, 1879 | 664 | 186 | 15 | 217 |
| 212, 395 | Murphy, Daniel H., assignor of one-half interest to G. J. Capewell, Cheshire, Conn. Stand for coffee-pots, tea-pots, &c | Feb. 11, 1879 | 666 | 186 | 15 | 218 |
| | Murphy, Daniel R., *et al.* (*See* Lochner, Casper F., assignor.) | | | | | |
| 222, 597 | Murphy, Edward P., Albany, N. Y. Letter-box indicator | Dec. 16, 1879 | 569 | 162 | 16 | 1106 |
| 221, 598 | Murphy. James M., assignor of one-third interest to J. J. and J. H. Murphy, Black Jack Grove, Tex. Harrow and clod-crusher | Nov. 11, 1879 | 535 | 148 | 16 | 896 |
| | Murphy, J. H., *et al.* (*See* Murphy, James M., assignor.) | | | | | |
| | Murphy. J. J., *et al.* (*See* Murphy. James M., assignor.) | | | | | |
| 211, 340 | Murphy, John, New York, N. Y. Vulcanized india-rubber valve | Jan. 14, 1879 | 320 | ..... | 15 | 42 |
| 219, 501 | Murphy, John, Columbus, Ohio. Concrete pavement | Sept. 9, 1879 | 512 | 142 | 16 | 485 |
| 222, 524 | Murphy, John, Brooklyn, N. Y. Machine for manufacturing rubber belting | Dec. 9, 1879 | 465 | 132 | 16 | 1081 |
| 212, 490 | Murphy, Michael J., Boston, Mass. Recutting files | Feb. 18, 1879 | 784 | ..... | 15 | 233 |
| 211, 519 | Murphy, Thomas, Detroit, Mich. Feed-water heater | Jan. 21, 1879 | 522 | 147 | 15 | 69 |
| 218, 049 | Same.....Boiler-furnace | July 29, 1879 | 1279 | 366 | 16 | 205 |
| 215, 152 | Murphy, Thomas J., New York, N. Y. Sliding-valve for rock-drills | May 6, 1879 | 200 | 57 | 15 | 726 |
| 214, 177 | Murray, Alexander W., Chicago, Ill. Ventilation | Apr. 8, 1879 | 518 | 148 | 15 | 545 |
| 219, 646 | Murray, Andrew M., and E. Bent, North Attleborough, Mass. Manufacturing plated stock for jewelry | Sept. 16, 1879 | 683 | 189 | 16 | 516 |
| 212, 729 | Murray, Bredett C., Denison, Tex. Binder for paper tablets | Feb. 25, 1879 | 1062 | 294 | 15 | 278 |
| 212, 043 | Murray, Eli, Rushville, Ind. Harrow | Feb. 4, 1879 | 255 | 69 | 15 | 158 |
| 221, 599 | Murray, George, jr., Cambridgeport, Mass. Rotary engine | Nov. 11, 1879 | 536 | 148 | 16 | 896 |
| 216, 486 | Murray, George T., H. and S. M. Willson, Harrisburg, Pa. Hay, straw, and fodder cutter | June 10, 1879 | 542 | 155 | 15 | 961 |
| | Murray, James. (*See* Smith, David W., assignor.) | | | | | |
| 214, 430 | Murray, James, East Orange, N. J. Boot and shoe heel burnisher | Apr. 15, 1879 | 835 | 235 | 15 | 596 |
| | Murray, Linville. (*See* Murray, Samuel H., N. F., and L.) | | | | | |
| | Murray, Michael D., *et al.* (*See* Cole, George P., assignor.) | | | | | |
| | Murray, Nicholas F. (*See* Murray, Samuel H., N. F., and L.) | | | | | |
| 221, 972 | Murray, Samuel H., N. F., and L., Forbes, Mo. Machine for preparing the tops of trees for winter protection | Nov. 25, 1879 | 990 | 277 | 16 | 974 |
| 221, 971 | Murry, John H., Indianapolis, Ind. Cartridge-loading apparatus | Nov. 25, 1879 | 989 | 277 | 16 | 974 |
| 215, 386 | Murset, Samuel, and J. M. Crawford, Philadelphia, Pa. Perforating-stamp | May 13, 1879 | 470 | 141 | 15 | 766 |
| 212, 564 | Musgrove, Charles, Liberty, assignor of one-third interest to W. L. Coleman, Bedford County, Va. Planter | Feb. 25, 1879 | 891 | 246 | 15 | 256 |
| | Musselman, David R., *et al.* (*See* Conner, Andrew J., assignor.) | | | | | |
| 220, 303 | Musser, Ferdinand, Cincinnati, Ohio. Lock-hinge | Oct. 7, 1879 | 106 | 28 | 16 | 649 |
| 212, 864 | Muybridge, Edward J., San Francisco, Cal. Method and apparatus for photographing objects in motion | Mar. 4, 1879 | 96 | 28 | 15 | 310 |
| 212, 865 | Same.....Method and apparatus for photographing objects in motion | Mar. 4, 1879 | 98 | 29 | 15 | 310 |
| 216, 440 | Myer, Albert J., United States Army. Meteorological instrument | June 10, 1879 | 497 | 142 | 15 | 955 |
| 220, 250 | Myers, Addison D., Geneva, Ohio. Scythe-fastener | Oct. 7, 1879 | 46 | 12 | 16 | 641 |
| | Myers, Andrew G. (*See* Crawford, John, assignor.) | | | | | |
| | Same..... (*See* Jennings, Alfred E., assignor.) | | | | | |
| 212, 730 | Myers, Andrew G., New York, N. Y. Outlet for water-closets, wash-basins, &c | Feb. 25, 1879 | 1062 | 295 | 15 | 279 |
| | Myers, Benjamin P. (*See* Jones & Myers.) | | | | | |
| 215, 153 | Myers, Frederick, New York, N. Y. Nail-feeding machine | May 6, 1879 | 200 | 57 | 15 | 727 |
| 215, 473 | Myers, George S., Saint Louis, Mo. Plug-tobacco machine | May 20, 1879 | 588 | 173 | 15 | 791 |
| 219, 647 | Same.....Separating tobacco-leaves in drying | Sept. 16, 1879 | 684 | 189 | 16 | 516 |
| 222, 072 | Myers, Henry B., Schoolcraft, Mich. Wind-wheel | Nov. 25, 1879 | 1095 | 307 | 16 | 989 |
| 221, 851 | Myers, Isaac L., Pine Grove Mills, Pa. Plow-clevis | Nov. 18, 1879 | 831 | 232 | 16 | 943 |
| 222, 723 | Myers, John, Adams (Green Spring Post-Office), Ohio. Curing foot-rot in sheep | Dec. 16, 1879 | 711 | ..... | 16 | 1127 |
| 218, 050 | Myers, John, Chicago, Ill. Washing-machine | July 29, 1879 | 1280 | 366 | 16 | 205 |
| 221, 342 | Myers, Lewis Y., Canton, Ohio. Hay-carrier | Nov. 4, 1879 | 230 | 63 | 16 | 844 |
| | Myers, Samuel. (*See* Folsom, Rufus, assignor.) | | | | | |
| 220, 409 | Myers, Silas S., Hawkinsville, Fla. Fruit-gatherer | Oct. 7, 1879 | 221 | 59 | 16 | 665 |
| 212, 816 | Myers, William J., Hartford, Conn. Bed-bottom | Mar. 4, 1879 | 39 | 13 | 15 | 302 |
| 218, 557 | Myers, William M., Asherville, Kans. Churn | Aug. 12, 1879 | 523 | 147 | 16 | 302 |
| 219, 502 | Mynatt, John B., Easta Boga, Ala. Gate | Sept. 9, 1879 | 512 | 142 | 16 | 485 |
| 221, 600 | Nagel, August, and R. Kaemp, Hamburg, Germany. Roller-mill adjustment | Nov. 11, 1879 | 537 | 148 | 16 | 896 |
| | Nagel, Emil O. (*See* Schulz & Nagel.) | | | | | |
| 215, 959 | Nagle, William, Brooklyn, N. Y. Device for stretching the toes of boots and shoes | May 27, 1879 | 1131 | 328 | 15 | 869 |
| 219, 503 | Nale, Jesse E., Merchantville, N. J. Pump | Sept. 9, 1879 | 513 | 142 | 16 | 486 |
| 213, 925 | Nanney, Thomas L., Evansville, Ind. Saw-filing machine | Apr. 1, 1879 | 207 | 60, 61 | 15 | 489 |
| 213, 128 | Naramore, Truman C., Williston, Vt. Apparatus for raising heavy bodies | Mar. 11, 1879 | 433 | 120 | 15 | 300 |
| 211, 582 | Nash, Lewis H., Brooklyn, assignor to National Meter Company, New York, N. Y. Rotary water-meter | Jan. 21, 1879 | 590 | 167, 168 | 15 | 79 |
| 211, 769 | Same.....same | Jan. 28, 1879 | 818 | 230 | 15 | 112 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 218,051 | Nash, Nathan E., Westerly, R. I. Steam-engine | July 29, 1879 | 1281 | 366 | 16 | 205 |
| 213,059 | Nash, William, New Britain, Conn. Nutmeg-grater | Mar. 11, 1879 | 346 | 97 | 15 | 349 |
| 222,835 | Nathanson, Morriss, New York, N. Y. Railway-car | Dec. 23, 1879 | 845 | 242 | 16 | 1156 |
| 219,005 | Nation, David H., Saint Louis, Mo. Device for making stove-door catches | Aug. 26, 1879 | 1058 | 298 | 16 | 393 |
| | National Gas Saving Company. (*See* Sleeman, Nathaniel, assignor.) | | | | | |
| | National Horseshoe Company. (*See* Holub, Frank, assignor.) | | | | | |
| | National Meter Company. (*See* Nash, Lewis H., assignor.) | | | | | |
| | National Pin Company. (*See* Fontaine, Eugene, assignor.) | | | | | |
| | National Plow Shoe Company. (*See* Bigelow, Charles D., assignor.) | | | | | |
| | Same (*See* Tyler, Charles E., assignor) (Reissue.) | | | | | |
| | National Sewing Machine Company. (*See* Carpenter, William, assignor) (Reissue.) | | | | | |
| | Same (*See* Snediker, James F., assignor.) | | | | | |
| | National Stop Motion Company. (*See* Nuttall, William, assignor.) | | | | | |
| | Same (*See* Tucker, Frederick O., assignor) (Reissue.) | | | | | |
| 215,388 | Nauck, Arthur A., assignor of two-thirds interest to F. C. and C. G. Nauck, Washington, D. C. Fan attachment for sewing-machines | May 13, 1879 | 472 | 141 | 15 | 766 |
| | Nauck, Charles G., *et al.* (*See* Nauck, Arthur A., assignor.) | | | | | |
| | Nauck, Fred C., *et al.* (*See* Nauck, Arthur A., assignor.) | | | | | |
| | Nauman, William H., *et al.* (*See* Regan, Bernard, assignor) (Reissue.) | | | | | |
| | Nauman, William H. (*See* Scholz, Charles, assignor.) | | | | | |
| 215,387 | Nauman, William H., and E. F. Stoddard, Dayton, Ohio. Seeding-machine | May 13, 1879 | 471 | 141 | 15 | 766 |
| 215,282 | Nawadny, Albert, New Orleans, La. Combined dividers, knife, and screw-driver | May 13, 1879 | 365 | 105 | 15 | 752 |
| | Naylor, James, jr. (*See* Dougherty & Naylor.) | | | | | |
| 219,296 | Naylor, James, jr., Rochester, assignor to Burrell, Ives & Co., and D. H. Burrell, Little Falls, N. Y. Machine for slicing logs into strips | Sept. 2, 1879 | 274 | 77, 78 | 16 | 446 |
| 222,525 | Same Hoop | Dec. 9, 1879 | 467 | 133 | 16 | 1081 |
| 222,724 | Naylor, James, jr., Rochester, assignor to Whitman & Burrell, Little Falls, N. Y. Gang cheese-press | Dec. 16, 1879 | 711 | 204 | 16 | 1127 |
| 223,158 | Naylor, Thomas A., Wilmington, Del. Carpet-cleaner | Dec. 30, 1879 | 1221 | 345 | 16 | 1218 |
| 212,151 | Neal, Frank M., Moscow, Ohio. Animal-trap | Feb. 11, 1879 | 382 | 104 | 15 | 177 |
| 211,341 | Neal, George A., Smithfield, Ky. Car-coupling | Jan. 14, 1879 | 320 | 94 | 15 | 42 |
| | Neal, John N., *et al.* (*See* Hall, Walton, assignor.) | | | | | |
| 222,151 | Neal, Nathan P., and W. N. Stroud, Waxahachie, Tex. Agricultural implement | Dec. 2, 1879 | 40 | 11 | 16 | 1015 |
| 212,969 | Neally, George, New York, N. Y. Smoke-excluding mask | Mar. 4, 1879 | 236 | 64 | 15 | 327 |
| 219,972 | Nearing, Winfield S., Morris Run, Pa. Car and cable coupling | Sept. 23, 1879 | 1051 | 291 | 16 | 576 |
| 212,817 | Neary, Edward, assignor of one-half interest to E. C. Bennett, Neshanic, N. J. Device for measuring lumber | Mar. 4, 1879 | 40 | 13 | 15 | 302 |
| 218,052 | Neath, Jasper, Shamburg, Pa. Check for oil-wells | July 29, 1879 | 1282 | 367 | 16 | 205 |
| 216,527 | Nedden, Franz Z., Berlin, Prussia, Germany, assignor to C. T. Burchardt, New York, N. Y. Apparatus for vulcanizing rubber, &c | June 17, 1879 | 599 | 170 | 15 | 977 |
| 218,053 | Neder, Philip, Stockton, assignor of one-half interest to L. Cottrell, Salt Lake City, Utah. Vehicle-axle skein | July 29, 1879 | 1283 | 367 | 16 | 206 |
| | Needham, Charles A. (*See* Needham, Orwell H. and C. A.) | | | | | |
| 221,695 | Needham, Charles A., New York, N. Y. Mechanical musical instrument | Nov. 18, 1879 | 643 | 180 | 16 | 919 |
| 221,696 | Same same | Nov. 18, 1879 | 645 | 181 | 16 | 919 |
| 8,976 | Needham, Elias P., New York, N. Y. Mechanical musical instrument (Reissue) | Nov. 18, 1879 | 901 | 251 | 16 | 954 |
| 213,443 | Same same | Mar. 18, 1879 | 773 | 218 | 15 | 414 |
| 215,831 | Same same | May 27, 1879 | 992 | 289 | 15 | 852 |
| 219,297 | Same Music-sheet for mechanical musical instruments | Sept. 2, 1879 | 277 | 78 | 16 | 447 |
| 221,343 | Same Mechanical musical instrument | Nov. 4, 1879 | 231 | 63 | 16 | 844 |
| 220,251 | Needham, Hiram K., Denison City, Tex. Post-hole digger | Oct. 7, 1879 | 47 | 12 | 16 | 641 |
| 214,945 | Needham, John S., Lawrence, Mass. Mechanism for scouring and cleaning worsted goods | Apr. 29, 1879 | 1429 | 397 | 15 | 687 |
| 220,939 | Needham, John W., Neoga, Ill. Swinging gate | Oct. 28, 1879 | 858 | 230 | 16 | 774 |
| 213,442 | Needham, Orwell H., New York, N. Y. Mechanical musical instrument | Mar. 18, 1879 | 772 | 217 | 15 | 414 |
| 215,284 | Needham, Orwell H. and C. A., New York, N. Y. Mechanical musical instrument | May 13, 1879 | 369 | 107 | 15 | 752 |
| | Needham & Son, Elias P. (*See* Van Dusen, George W., assignor) (Reissue.) | | | | | |
| | Needham & Son, E. P. (*See* Pain, Robert W., assignor.) | | | | | |
| 213,236 | Needham, William, J. and J. Kite, 2d, Vauxhall, England. Apparatus for filtering semi-fluids under pressure | Mar. 11, 1879 | 549 | 152, 153 | 15 | 375 |
| | Neely, Thaddeus A. (*See* Cornelius, Wilber F., assignor.) | | | | | |
| 214,944 | Neely, Thaddeus A., Muncie, Ind. Electric fire-alarm box | Apr. 29, 1879 | 1428 | 397 | 15 | 687 |
| 219,973 | Neely, William, jr., Sewickley, Pa. Weight for horseshoes | Sept. 23, 1879 | 1051 | 291 | 16 | 576 |
| | Neff, Abram, *et al.* (*See* Dyer, James M., assignor.) | | | | | |
| | Neff, Daniel. (*See* Falck & Neff.) | | | | | |
| 217,952 | Neff, Jonathan, Humberstone, Ontario, Canada. Steam-drill | July 29, 1879 | 1174 | 337 | 16 | 192 |
| 221,417 | Neff, Peter, Gambier, Ohio. Apparatus for the manufacture of lamp-black | Nov. 11, 1879 | 326 | 89 | 16 | 866 |
| | Neidhart, Joseph F. (*See* Morgan & Neidhart.) | | | | | |
| | Neiff & Co., G. (*See* Christian, Johann F., assignor.) | | | | | |
| 214,836 | Neill, George W., Boston, Mass. Piano-hammer butt | Apr. 29, 1879 | 1319 | 368 | 15 | 673 |
| 223,061 | Same Pedal | Dec. 30, 1879 | 1109 | 315 | 16 | 1203 |
| 223,060 | Same Upright-piano-forte action | Dec. 30, 1879 | 1107 | 314, 315 | 16 | 1203 |
| | Neilson, Alexander. (*See* Young & Neilson.) | | | | | |
| | Neilson, Charles, *et al.* (*See* Leyburn, Edward J., assignor.) | | | | | |
| 219,824 | Neimeister, Charles C., and W. Amerson, Chicago, Ill. Car-wheel | Sept. 23, 1879 | 894 | 246 | 16 | 554 |
| 213,237 | Neimeyer, Jacob, Atlantic, Iowa. Machine for cutting fence-barbs from wire | Mar. 11, 1879 | 550 | 153 | 15 | 376 |
| | Neimeyer, John. (*See* Augspurger & Neimeyer.) | | | | | |
| 219,006 | Nellis, Aaron J., Pittsburg, Pa. Plow-beam | Aug. 26, 1879 | 1059 | 299 | 16 | 393 |
| 217,128 | Nelsen, Benqt. C., De Kalb, Ill. Draft-equalizer for wagons | July 1, 1879 | 235 | 68 | 16 | 33 |
| 213,772 | Nelson, Benjamin W., Madison, Wis. Egg-lifter | Apr. 1, 1879 | 45 | 15 | 15 | 478 |
| 216,880 | Nelson, Horatio, New York, N. Y. Enameled screw-propeller | June 24, 1879 | 1001 | 284 | 15 | 1039 |
| 213,926 | Nelson, Horatio J., Pentwater, Mich. Heating-pot | Apr. 1, 1879 | 208 | 61 | 15 | 499 |
| 217,137 | Nelson, Hugh, Philadelphia, Pa. Adjustable model for shoe-patterns | July 1, 1879 | 233 | 67, 68 | 16 | 32 |
| 219,870 | Nelson, James S., assignor of one-half interest to W. C. Peel and J. V. Elster, Springfield, Ohio. Neck-yoke | Sept. 23, 1879 | 935 | 258 | 16 | 500 |
| 214,308 | Nelson, John, Rockford, Ill. Knitting-machine | Apr. 15, 1879 | 692 | 194, 195, 196, 197 | 15 | 578 |
| 214,309 | Nelson, John, assignor of one-third interest to R. Emerson and W. A. Talcott, Rockford, Ill. Knitting-machine | Apr. 15, 1879 | 702 | 197 | 15 | 579 |
| 212,565 | Nelson, John R., Burlington, Iowa. Burial-casket | Feb. 25, 1879 | 893 | 247 | 15 | 253 |
| 221,090 | Nelson, William, Green Point, N. Y. Provision-cabinet | Oct. 28, 1879 | 1039 | 275 | 16 | 798 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 222, 836 | Neracher, William, Cleveland, Ohio. Hose-reel | Dec. 23, 1879 | 846 | 242, 243 | 16 | 1156 |
| 223, 159 | Neracher, William, assignor of one-half interest to H. B. Piper, Cleveland, Ohio. Fire-extinguisher | Dec. 30, 1879 | 1222 | 346 | 16 | 1218 |
| 218, 638 | Nerney, Peter, Attleborough, Mass. Button and stud | Aug. 19, 1879 | 628 | 177 | 16 | 324 |
| 212, 970 | Nesbitt, Moses T., Colora, Md. Butter-mold | Mar. 4, 1879 | 236 | 65 | 15 | 327 |
| 219, 825 | Nette, August, San Antonio, Tex. Tape-worm medicine | Sept. 23, 1879 | 895 | ..... | 16 | 554 |
| 215, 655 | Nettleton, William A., Bridgeport, Conn. Bone-pocket for corsets | May 20, 1879 | 791 | 232 | 15 | 818 |
| 216, 341 | Same.....Combined spring and dead bolt | June 10, 1879 | 388 | 110 | 15 | 940 |
| 219, 172 | Same.....Folder for sewing-machines | Sept. 2, 1879 | 127 | 38 | 16 | 429 |
| 218, 054 | Neuhoff, Frank. San Francisco, Cal. Lock | July 29, 1879 | 1284 | 367 | 16 | 206 |
| | Neumann, Gustav H. (*See* Roscher, Carl A., assignor.) | | | | | |
| 222, 300 | Neumann, John, New York, N. Y. Apparatus for drawing and preserving malt liquors | Dec. 2, 1879 | 206 | 54 | 16 | 1037 |
| | Nevergold, George. (*See* Gearing, Charles M., assignor.) | | | | | |
| 218, 766 | Nevers, Jean L., Pass Christian, Miss. Vibrating propeller | Aug. 19, 1879 | 762 | 216 | 16 | 343 |
| | Nevin, Joseph T. (*See* Moore, Frank O. C., assignor.) | | | | | |
| 222, 199 | Nevinger, Michael, Attica, and R. Seldon, Stafford, N. Y. Machine for digging potatoes | Dec. 2, 1879 | 93 | 23 | 16 | 1021 |
| 8, 546 | New, Tobias, New York, N. Y. Roofing material (Reissue) | Jan. 21, 1879 | 632 | ..... | 15 | 84 |
| 8, 671 | Same.....same (Reissue) | Apr. 15, 1879 | 886 | ..... | 15 | 603 |
| 217, 396 | Newbill, Patrick H., Los Angeles, Cal. Coin-roller | July 8, 1879 | 522 | 151 | 16 | 78 |
| 222, 301 | Newbold, J. Pemberton, Philadelphia, Pa. Ball-target | Dec. 2, 1879 | 206 | 54 | 16 | 1037 |
| 221, 697 | Newcomb, Jacob C., North Scituate, Mass. Attachment for pully-blocks | Nov. 18, 1879 | 646 | 181 | 16 | 919 |
| 222, 937 | Newcomb, James W., assignor to D. R. Whitehead, Rye, N. Y. Toy knitting-machine | Dec. 23, 1879 | 962 | 276 | 16 | 1173 |
| 218, 639 | Newcomb, Wilson, Baltimore, Md. Pipe-wrench | Aug. 19, 1879 | 629 | 177 | 16 | 324 |
| | Newcomer, William H. (*See* Brainerd, Charles E., assignor.) | | | | | |
| 220, 543 | Newell, Andrew F., and H. L. Van Gorder, Warren, Ohio. Fruit-package | Oct. 14, 1879 | 383 | 99 | 16 | 694 |
| 211, 175 | Newell, Daniel P., Chicago, Ill. Chair | Jan. 7, 1879 | 103 | 32, 33 | 15 | 14 |
| | New England Organ Company. (*See* Crockett, Samuel J., assignor.) | | | | | |
| | Same..... (*See* Hoymann & Burt, assignors.) | | | | | |
| | Same..... (*See* McLaughlin, James J., assignor.) | | | | | |
| 220, 860 | Newhall, Benjamin L., Lynn, Mass. Button-hole for boots and shoes | Oct. 21, 1879 | 753 | 201 | 16 | 751 |
| 218, 395 | Newhall, John F., assignor of two-thirds interest to G. N. Johnson, Lynn, and S. P. Bancroft, Swampscott, Mass. Automatic gate for elevators | Aug. 12, 1879 | 331 | 91 | 16 | 276 |
| | New Haven Clock Company. (*See* Camp, Hiram, assignor.) | | | | | |
| | Same.....(*See* Harmount, George A., assignor.) | | | | | |
| | New Haven Folding Chair Company. (*See* Dann, Isaac N., assignor.) | | | | | |
| | New Haven Manufacturing Company. (*See* Bean, Albert B., assignor.) | | | | | |
| 217, 397 | Newhoff, Frank, San Francisco, Cal. Electrical circuit-closer for hotel-annunciators | July 8, 1879 | 523 | 151 | 16 | 78 |
| | New Jersey Manufacturing Company. (*See* Radcliffe, Charles, assignor.) | | | | | |
| 217, 236 | Newkirk, James W., assignor of one-half interest to J. Kennedy, Chicago, Ill. Cutting-gage | July 8, 1879 | 357 | 105 | 16 | 57 |
| 220, 643 | Newlin, William, Attica, Ind. Wheel-plow | Oct. 14, 1879 | 499 | 131 | 16 | 710 |
| 216, 441 | Newlon, William B., Fremont, Nebr. Device for moving cars | June 10, 1879 | 499 | 142 | 15 | 955 |
| 216, 881 | Newman, Charles, assignor of one-half interest to A. N. Houghton, Alton, Ill. Paper bag | June 24, 1879 | 1002 | 285 | 15 | 1040 |
| 219, 754 | Newman, Charles E., Fort Worth, Tex. Double-acting force-pump | Sept. 16, 1879 | 793 | 219 | 16 | 531 |
| 218, 558 | Newsom, Asa, Valdosta, Ga. Plow | Aug. 12, 1879 | 524 | 147 | 16 | 302 |
| 212, 731 | Newton, Abner N., Richmond, Ind. Inclined seed-dropper | Feb. 25, 1879 | 1063 | 295 | 15 | 279 |
| 216, 442 | Newton, Edwin W., Franklin Grove, Ill. Sulky-plow | June 10, 1879 | 500 | 142 | 15 | 956 |
| 212, 866 | Newton, Moses, Holyoke, Mass. Paper | Mar. 4, 1879 | 99 | 29 | 15 | 310 |
| | Newton, Robert. (*See* Davenport, Frederick S., assignor) (Reissue.) | | | | | |
| 219, 007 | Newton, Stephen S., Binghamton, N. Y. Slate-washer | Aug. 26, 1879 | 1060 | 299 | 16 | 393 |
| 220, 410 | Same.....Package for powdered articles | Oct. 7, 1879 | 222 | 60 | 16 | 665 |
| 221, 091 | Same.....Bottle-stopper | Oct. 28, 1879 | 1040 | 276 | 16 | 798 |
| 215, 832 | Newton, William A., Osage Township, Bates County, Mo. Post-driver | May 27, 1879 | 993 | 289, 290 | 15 | 852 |
| | New York Belting and Packing Company. (*See* Woffenden, George, assignor.) | | | | | |
| | New York Edge Trimmer Company. (*See* Helms, Charles H., assignor.) | | | | | |
| | New York Gas Controller Company. (*See* Gilbert & Wilder, assignors.) | | | | | |
| | Same.....(*See* Wilder, Moses G., assignor.) | | | | | |
| | Same..... (*See* Whaley, Thomas, assignor.) | | | | | |
| | New York Silk Manufacturing Company. (*See* Faulkner, Alfred, assignor.) | | | | | |
| | Same.....(*See* Kane, Charles L., assignor.) | | | | | |
| 222, 638 | Ney, Jacob, North Industry, Ohio. Elevator | Dec. 16, 1879 | 623 | 178 | 16 | 1113 |
| 211, 770 | Neynaber, Adolphus F. W., New York, N. Y. Drying-closet for pills | Jan. 28, 1879 | 821 | 231 | 15 | 112 |
| 213, 296 | Neynaber, Adolphus F. W. and W. F. A., New York, N. Y. Pill feeder and counter | Mar. 18, 1879 | 630 | 177 | 15 | 394 |
| | Neynaber, William F. A. (*See* Neynaber, Adolphus F. W. and W. F. A.) | | | | | |
| 223, 004 | Nicholls, George W., and T. H. Bilyen, Litchfield, Ill. Composition for fumigating purposes | Dec. 30, 1879 | 1046 | ..... | 16 | 1195 |
| 218, 559 | Nicholls, Silas, St. Clement Danes, Middlesex County, England. Permanent way for tramways | Aug. 12, 1879 | 525 | 147, 148 | 16 | 302 |
| 222, 302 | Nicholls, Silas, Westminster, England. Railway-rail | Dec. 2, 1879 | 207 | 55 | 16 | 1037 |
| | Nichols, Albert. (*See* Potter, Thomas O., assignor) (Reissue.) | | | | | |
| 223, 062 | Nichols, Albert A. and J. H., Corry, Pa. Sleigh-shoe | Dec. 30, 1879 | 1110 | 315 | 16 | 1203 |
| 212, 732 | Nichols, Clarence W., Chicago, Ill. Feather-duster | Feb. 25, 1879 | 1064 | 295 | 15 | 279 |
| | Nichols, Edward A. (*See* Smith, Leroy T., assignor.) | | | | | |
| | Nichols, Ellen A., administratrix. (*See* Nichols, Francis.) | | | | | |
| 217, 896 | Nichols, Francis, deceased (E. A. Nichols, administratrix), assignor to Acid Pump and Siphon Company, New London, Conn. Carboy | July 29, 1879 | 1114 | 319 | 16 | 184 |
| 214, 437 | Nichols, George W., Dupont, Ind. Washing-machine | Apr. 15, 1879 | 842 | 237 | 15 | 597 |
| 212, 619 | Nichols, Jacob J., and H. C. Alexander, New York, N. Y. Cap for lamp-globes | Feb. 25, 1879 | 953 | 263 | 15 | 264 |
| | Nichols, James H. (*See* Nichols, Albert A. and J. H.) | | | | | |
| 220, 411 | Nichols, John H., White House Station, N. J. Churn-motor | Oct. 7, 1879 | 223 | 60 | 16 | 665 |
| 214, 178 | Nichols, Joseph H., Phillipsburg, N. J., assignor to J. C. Brooke, Cincinnati, Ohio. School desk and settee | Apr. 8, 1879 | 520 | 148 | 15 | 546 |
| | Nichols, Joshua W. (*See* Cagle & Nichols.) | | | | | |
| 212, 319 | Nichols, Paul H., Squaw Grove, Ill. Hay binder and elevator | Feb. 18, 1879 | 577 | 161 | 15 | 206 |
| 222, 200 | Nichols, Robert C., Boston, Mass. Inkstand | Dec. 2, 1879 | 96 | 24 | 16 | 1022 |
| 214, 689 | Nichols, Thomas V., Olena, Ill. Hedge-trimming machine | Apr. 22, 1879 | 1135 | 319 | 15 | 642 |
| 215, 656 | Nicholson, Michael, Baltimore, Md. Signal head-light | May 20, 1879 | 792 | 232 | 15 | 818 |
| | Nicholson, Milford P. (*See* Hart & Nicholson.) | | | | | |
| | Nicholson, William H., *et al.* (*See* Atwater, Richard M., assignor.) | | | | | |
| 215, 833 | Nickerson, Samuel S., West Derby, Vt. Producing autographic stencils | May 27, 1879 | 996 | 290 | 15 | 852 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 211, 666 | Nickerson, William E., Somerville, Mass. Bark-reducing machine | Jan. 28, 1879 | 708 | 198 | 15 | 97 |
| 215, 960 | Nickum, Sylvanis B., Jalapa, Ind. Railway-switch | May 27, 1879 | 1132 | 328 | 15 | 869 |
| 212, 491 | Niemann, Franz H., assignor of two-thirds interest to F. C. and C. H. Albrecht, Cincinnati, Ohio. Carriage-bow | Feb. 18, 1879 | 784 | 217 | 15 | 233 |
| 220, 491 | Niles, Gardner H., assignor to C. E. Smith, Attleborough, Mass. Shirt-stud | Oct. 14, 1879 | 321 | 85 | 16 | 687 |
| 217, 705 | Niles, William F., Jersey City, N. J. Manufacture of ornamental buttons from blood and other materials | July 22, 1879 | 899 | ..... | 16 | 149 |
| 8, 887 | Same.....Manufacture of ornamental buttons from blood, &c .....(Reissue) | Sept. 9, 1879 | 572 | ..... | 16 | 494 |
| 221, 852 | Same.....Manufacturing buttons, &c | Nov. 18, 1879 | 832 | ..... | 16 | 943 |
| 217, 635 | Ningard, Frederick W., assignor of one-half interest to C. W. Lutz, Baltimore, Md. Bath-tub | July 15, 1879 | 796 | 226 | 16 | 126 |
| 219, 110 | Nissley, Amos R., Marietta, Pa. Window-shade fixture | Sept. 2, 1879 | 56 | 18 | 16 | 420 |
| 218, 055 | Nitze, Maximilian C. F., Dresden, Saxony, assignor to J. Leiter, Vienna, Austria. Application of electric light to a speculum | July 29, 1879 | 1284 | 368 | 16 | 206 |
| 222, 561 | Nixon, Francis M., assignor of one-half interest to G. Breon, Lena, Ill. Gate | Dec. 9, 1879 | 511 | 144 | 16 | 1087 |
| 218, 056 | Nixon, Martin, Philadelphia, Pa. Apparatus for evaporating and calcining alkaline solutions | July 29, 1879 | 1287 | 368, 369 | 16 | 206 |
| | Nixon, William R. (*See* Shoesmith, Alfred, assignor.) | | | | | |
| 215, 285 | Nixon, William R., Dayton, Ohio. Furnace for recovering soda-ash | May 13, 1879 | 373 | 108 | 15 | 753 |
| 215, 286 | Noack, Friedrich, Allegheny, Pa. Shoe-fastener | May 13, 1879 | 374 | 108 | 15 | 753 |
| 214, 519 | Noble, Henry T., Dixon, Ill. Caster-colter | Apr. 22, 1879 | 960 | 269 | 15 | 619 |
| 211, 105 | Noble, John W. and W., Rome Ga. Manufacture of car-wheels | Jan. 7, 1879 | 27 | 9 | 15 | 4 |
| | Noble, Joseph M., *et al.* (*See* Bradford, William A., assignor.) | | | | | |
| | Noble, Lewis H., *et al.* (*See* Bradford, William A., assignor.) | | | | | |
| | Noble, William. (*See* Noble, John W. and W.) | | | | | |
| 217, 742 | Noe, Homer A., Republic, Mo. Cream and milk trap for churns | July 22, 1879 | 935 | 268 | 16 | 154 |
| 214, 786 | Noechel, Frank J., Rochester, N. Y. Machine for dressing eyeglass-frames | Apr. 29, 1879 | 1260 | 352 | 15 | 665 |
| 219, 298 | Same.....Machine for grinding spectacle-glasses, &c | Sept. 2, 1879 | 278 | 78, 79 | 16 | 447 |
| | Noelting, B. H. (*See* Rottmann, Friedrich W., assignor.) | | | | | |
| 221, 344 | Nogar, Russell H., Carleton, Mich. Hoop-machine | Nov. 4, 1879 | 233 | 63 | 16 | 844 |
| 213, 832 | Nolte, Jurgen B. H., Cincinnati, Ohio. Catch-basin | Apr. 1, 1879 | 109 | 33 | 15 | 487 |
| | Noon, John A., *et al.* (*See* Sibert, Lorenzo, assignor.) | | | | | |
| 214, 690 | Noonan, John, Pawtucket, R. I. Spinning-mule | Apr. 22, 1879 | 1136 | 319, 320 | 15 | 642 |
| 8, 582 | Norcross, Alvin C., Boston, assignor to H. D. Trask, Brookfield, Mass. Automatic heat-regulator for furnaces .....(Reissue) | Feb. 18, 1879 | 840 | 233 | 15 | 241 |
| 219, 111 | Norcross, Alvin C., Boston, Mass. Stove-pipe damper and case | Sept. 2, 1879 | 57 | 19 | 16 | 420 |
| 211, 421 | Norcross, Joseph W., Boston, Mass. Tackle-block | Jan. 14, 1879 | 406 | 116 | 15 | 52 |
| 212, 566 | Same.....same | Feb. 25, 1879 | 893 | 247 | 15 | 256 |
| 220, 644 | Same.....same | Oct. 14, 1879 | 501 | 131 | 16 | 710 |
| 220, 645 | Same.....same | Oct. 14, 1879 | 502 | 132 | 16 | 710 |
| 221, 469 | Same.....Axle-bearing for tackle-blocks | Nov. 11, 1879 | 388 | 106 | 16 | 874 |
| | Nordenfelt, Thorsten. (*See* Palmcrantz, Helge, assignor.) | | | | | |
| | Nordyke & Marmon Company. (*See* Marmon, Daniel W., assignor.) | | | | | |
| 214, 179 | Norling, August and C. A., Stanton, Iowa. Corn-planter | Apr. 8, 1879 | 521 | 148 | 15 | 546 |
| 220, 985 | Same.....Cultivator | Oct. 28, 1879 | 920 | 245 | 16 | 782 |
| | Norling, Charles A. (*See* Norling, August and C. A.) | | | | | |
| 221, 601 | Norman, Andrew A., assignor of one-half interest to J. Kees, Corning, Iowa. Artificial limb | Nov. 11, 1879 | 538 | 148 | 16 | 896 |
| | Norman, William, *et al.* (*See* Schaefer, John A., assignor.) | | | | | |
| 220, 940 | Norman, William B., and H. R. Leonard, San Francisco, Cal.; said Leonard assignor to said Norman. Process and apparatus for ventilating and cooling mines | Oct. 28, 1879 | 859 | 231 | 16 | 774 |
| | Norrington, Henry H. (*See* Tavener, Robert W., assignor.) | | | | | |
| 8, 657 | Norrington, Henry H., West Bay City, Mich. Perforating-stamp .....(Reissue) | Apr. 8, 1879 | 578 | 163 | 15 | 553 |
| 219, 299 | Same.....Bank-check book | Sept. 2, 1879 | 280 | 79 | 16 | 447 |
| 220, 412 | Same.....Perforating-stamp | Oct. 7, 1879 | 224 | 60 | 16 | 665 |
| 223, 161 | Same.....same | Dec. 30, 1879 | 1223 | 346 | 16 | 1219 |
| 218, 826 | Norris, Baron S., Ripley, Ohio. Gate | Aug. 26, 1879 | 855 | 241 | 16 | 366 |
| 213, 681 | Norris, Charles H., Detroit, Mich. Envelope-case | Mar. 25, 1879 | 1042 | 296 | 15 | 456 |
| 8, 658 | Norris, Daniel W., Elgin, Ill. Incased glass vessel .....(Reissue) | Apr. 8, 1879 | 580 | 164 | 15 | 553 |
| 211, 253 | Norris, Thaddeus, jr., Philadelphia, Pa. Lewis | Jan. 7, 1879 | 189 | 55 | 15 | 25 |
| 212, 257 | Same.....Device for securing coupling-blocks, wheels, &c., to shafts | Feb. 11, 1879 | 498 | 138 | 15 | 192 |
| | North & Co., O. B. (*See* Hubbard, George M., assignor.) | | | | | |
| | Same.....(*See* North & Hubbard, assignors.) | | | | | |
| | Same.....(*See* North, Oliver B., assignor.) | | | | | |
| | Same .....(*See* Smith, Charles H., assignor.) | | | | | |
| 217, 294 | North, George F., Augusta, Me., assignor of one-half interest to J. T. Salter and J. M. Leighton, New York, N. Y., and G. W. Dyer, Washington, D. C. Gas scrubber and purifier | July 8, 1879 | 413 | 122 | 16 | 65 |
| | North, Henry. (*See* Sawdon & North.) | | | | | |
| 221, 853 | North, John, assignor of one-half interest to H. S. and L. C. White and G. M. Pratt, Middletown, Conn. Type-setting machine | Nov. 18, 1879 | 833 | 233, 234 | 16 | 944 |
| 211, 861 | North, Oliver B., and G. M. Hubbard, assignors to O. B. North & Co., New Haven, Conn. Adjustable carriage-top | Feb. 4, 1879 | 46 | 14 | 15 | 132 |
| 213, 238 | North, Oliver B., assignor to O. B. North & Co., New Haven, Conn. Whip-socket | Mar. 11, 1879 | 551 | 153 | 15 | 376 |
| 216, 054 | Norton, Arthur R., assignor to W. Andrews and C. T. Ballou, Marshalltown, Iowa. Adjustable broom-protector | June 3, 1879 | 53 | 14 | 15 | 891 |
| 215, 766 | Norton, Edwin, Chicago, Ill. Seam for sheet-metal cans | May 27, 1879 | 911 | 267 | 15 | 842 |
| 211, 106 | Norton, Elijah, Dover, Me. Seed-dropper | Jan. 7, 1879 | 29 | 10 | 15 | 4 |
| 216, 804 | Norton, Francis L., New York, N. Y. Ventilating buildings, vessels, &c | June 24, 1879 | 921 | 262, 263 | 15 | 1029 |
| 215, 474 | Norton, George, assignor of three-fourths interest to W. H. Van Vlear, T. J. Kennedy, and E. F. Avery, Stockton, Cal. Single-propeller pump | May 20, 1879 | 590 | 173 | 15 | 791 |
| 220, 168 | Norton, Hart Z., New York, N. Y. Hydraulic engine | Sept. 30, 1879 | 1287 | 354 | 16 | 616 |
| 218, 683 | Norton, Hatley J., and J. Edgar, Sacramento, Cal. Feeder for thrashing-machines | Aug. 19, 1879 | 675 | 192 | 16 | 331 |
| 216, 691 | Norton, Henry A., Ward City, Nev. Railway-switch | June 17, 1879 | 773 | 221 | 15 | 1001 |
| 220, 984 | Norton, James P., Portland, and J. Ramsey, jr., West Meriden, Conn. Perforating-stamp | Oct. 28, 1879 | 918 | 245 | 16 | 782 |
| 219, 755 | Norton, Mason S., Bangor, Me. Shingle-sawing machine | Sept. 16, 1879 | 794 | 219 | 16 | 532 |
| 214, 180 | Norton, Richard D., New Sharon, N. J. Pulverizing disk-harrow | Apr. 8, 1879 | 522 | 149 | 15 | 546 |
| | Norwalk Lock Company. (*See* Elwell, Henry H., assignor) .....(Reissue.) | | | | | |
| 216, 342 | Noteman, Alonzo, Toledo, Ohio. Rotary engine | June 10, 1879 | 389 | 110, 111 | 15 | 941 |
| 214, 837 | Noteman, Darius, Wauseon, Ohio. Vehicle-wheel | Apr. 29, 1879 | 1320 | 368 | 15 | 673 |
| 212, 044 | Nott, Aaron B., Fairhaven, Mass. Combined fork and spoon, &c | Feb. 4, 1879 | 256 | 69 | 15 | 158 |
| 212, 258 | Same.....House-ventilator | Feb. 11, 1879 | 499 | 139 | 15 | 192 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Nottingham, William, *et al.* (*See* Lyman, Fordyce A., assignor.) | | | | | |
| | Nourse, Benjamin F., jr. (*See* Matthes, Henry, assignor.) | | | | | |
| | Nourse, James K. P. (*See* Adams & Nourse.) | | | | | |
| | Nourse, Joel. (*See* Holbrook, Howe & Nourse) ..... (Reissue.) | | | | | |
| 216,443 | Nourse, Joel, Boston, and J. A. Howe, Ayer, Mass. Swivel-plow ..... | June 10, 1879 | 502 | 143 | 15 | 956 |
| 211,771 | Novinger, Jonathan A., New Bedford, Ohio. Animal-trap ..... | Jan. 28, 1879 | 822 | 231 | 15 | 112 |
| 221,249 | Nowlan, Henry J., United States Army. Projectile for small-arms ..... | Nov. 4, 1879 | 120 | 32 | 16 | 829 |
| | Noyes, Benjamin. (*See* Mayo & Noyes.) | | | | | |
| 218,307 | Noyes, David F., Lewiston, Me. Machine for making veneer-boxes ..... | Aug. 5, 1879 | 222 | 60 | 16 | 250 |
| 216,882 | Noyes, Ernest W., Bay City, Mich. Horse-clipper and sheep-shearer ..... | June 24, 1879 | 1002 | 285 | 15 | 1040 |
| 220,646 | Noyes, Ernest W., assignor to W. A. Young, Bay City, Mich. Toe-weight for horses.. | Oct. 14, 1879 | 502 | 132 | 16 | 710 |
| 216,883 | Noyes, Joseph S., assignor to self and F. O. Hill, Ransom Center, Mich. Gate ..... | June 24, 1879 | 1004 | 285 | 15 | 1040 |
| 213,060 | Nugent, Edward, and J. Burns, Brooklyn, N. Y. Triangular paper-bag machine ..... | Mar. 11, 1879 | 346 | 97, 98 | 15 | 350 |
| 213,773 | Same ..... Manufacture of paper bags ..... | Apr. 1, 1879 | 46 | 15 | 15 | 479 |
| 213,585 | Nugent, Richard C., Dayton, Ohio, assignor to Phillips, Nimick & Co., Pittsburg, Pa. Machine for flanging boiler-heads ..... | Mar. 25, 1879 | 935 | 266 | 15 | 441 |
| 214,181 | Nugent, Richard C., assignor of one-half interest to McIlvain & Spiegel, Cincinnati, Ohio. Machine for flanging metal plates ..... | Apr. 8, 1879 | 523 | 149 | 15 | 546 |
| 220,861 | Nurnberger, Joseph, Saint Albans, W. Va. Grain-meter ..... | Oct. 21, 1879 | 754 | 201 | 16 | 751 |
| | Nute, Alonzo. (*See* Allen, Lester H., assignor.) | | | | | |
| 216,967 | Nuttall, Joshua, assignor to self and J. Rhodes, Allegheny, Pa. Machine for straightening and smoothing rods and tubes ..... | July 1, 1879 | 45 | 15 | 16 | 8 |
| 219,974 | Nuttall, William, assignor to National Stop Motion Company, Westerly, R. I. Weft-stop motion for looms ..... | Sept. 23, 1879 | 1052 | 292 | 16 | 576 |
| 223,162 | Nuubson, Ole C., Mount Horeb, Wis. Milk-cooler ..... | Dec. 30, 1879 | 1224 | 346 | 16 | 1219 |
| | Nyce & Co., Dewitt. (*See* Nyce, John M., assignor.) | | | | | |
| 211,924 | Nyce, John M., assignor to D. Nyce & Co., Belvidere, N. J. Vehicle-spring ..... | Feb. 4, 1879 | 117 | 34 | 15 | 141 |
| 213,927 | Nye, Charles H., assignor to H. Wronkow, New York, N. Y. Trunk-catch ..... | Apr. 1, 1879 | 209 | 61 | 15 | 500 |
| 214,691 | Nye, Charles H., assignor, by mesne assignments, to H. P. Hildreth and E. Durlach, New York, N. Y. Bottle-stopper and stopper-fastener ..... | Apr. 22, 1879 | 1138 | 320 | 15 | 642 |
| 221,092 | Nye, Charles H., assignor to A. Cotting and J. T. Worthington, New York, N. Y. Trunk-catch ..... | Oct. 28, 1879 | 1041 | 276 | 16 | 798 |
| 217,897 | Nye, Sherman R., Winchendon, Mass., assignor of one-half interest to W. Aldrich, Dayton, Ohio. Horse hay-rake ..... | July 29, 1879 | 1115 | 320 | 16 | 184 |
| 8,566 | Nysewander, Daniel, Springfield, Ohio. Wind-engine ..... (Reissue).. | Feb. 4, 1879 | 298 | 81, 82 | 15 | 163 |
| 220,544 | Oakes, Oliver, Southbridge, Mass. Wagon-seat fastener ..... | Oct. 14, 1879 | 384 | 100 | 16 | 695 |
| 215,961 | Oakes, Revilo H., Joppa, Ill. Horse-detacher ..... | May 27, 1879 | 1133 | 328 | 15 | 870 |
| | Oakley, Gilbert P. (*See* Forbes, Edwin J., assignor.) | | | | | |
| 222,938 | Oakley, James L., Greensborough, N. C. Skylight ..... | Dec. 23, 1879 | 963 | 276 | 16 | 1173 |
| 220,169 | Oakley, William H., Manistee, Mich. Sound-collector ..... | Sept. 30, 1879 | 1288 | 354 | 16 | 616 |
| 222,303 | Oatman, Charles D., Providence, R. I. Signal-light ..... | Dec. 2, 1879 | 208 | 55 | 16 | 1037 |
| 215,237 | Obenchain, Albert, Springfield, Ohio. Horse hay-rake ..... | May 13, 1879 | 306 | 90 | 15 | 744 |
| 215,658 | Obenchain, John T., Logansport, Ind. Grinding-mill ..... | May 20, 1879 | 794 | 232 | 15 | 818 |
| 215,018 | Ober, Henry, Newark, N. J. Composition for water-proofing and lubricating soles of shoes, &c ..... | May 6, 1879 | 40 | ..... | 15 | 707 |
| | Ober, Joseph A. (*See* Piersons, Charles S., assignor.) | | | | | |
| 221,250 | Oberdorff, George S., Lower Windsor Township (Long Level Post-Office), York County, Pa. Meat-mincing machine ..... | Nov. 4, 1879 | 121 | 32 | 16 | 829 |
| | Oberly, John H., trustee. (*See* Schuckers, Jacobs W., assignor.) | | | | | |
| 214,692 | Obetz, Henry L., Paris, Ill. Coffin-case ..... | Apr. 22, 1879 | 1139 | 320 | 15 | 642 |
| 215,019 | O'Brien, Garret, Westfield, Mass. Freight-car door ..... | May 6, 1879 | 41 | 12 | 15 | 707 |
| 215,657 | O'Brien, John, Turner's Falls, Mass. Wash-boiler ..... | May 20, 1879 | 793 | 232 | 15 | 818 |
| | O'Brien, Michael. (*See* Hughes, James E., assignor.) | | | | | |
| 219,008 | Obrig, John, Newark, N. J. Manufacture of jewelry ..... | Aug. 26, 1879 | 1061 | 299 | 16 | 393 |
| 219,504 | Obrist, Jacob, Au Sable Forks, N. Y. Pinchers ..... | Sept. 9, 1879 | 513 | 143 | 16 | 486 |
| 214,838 | O'Callaghan, William A., Saltillo, Miss. Cotton and hay press ..... | Apr. 29, 1879 | 1321 | 369 | 15 | 673 |
| | O'Conner, E. J. (*See* Stewart, Robert G., assignor.) | | | | | |
| 222,639 | O'Connor, James A., Rochester, N. Y. Apparatus for forcing beer from casks ..... | Dec. 16, 1879 | 625 | 178 | 16 | 1114 |
| 218,560 | O'Connor, James H., Helena, Ark. Sprinkler ..... | Aug. 12, 1879 | 526 | 148 | 16 | 303 |
| 212,259 | O'Connor, William D., Washington, D. C. Revenue-stamp for cigars ..... | Feb. 11, 1879 | 500 | 139 | 15 | 192 |
| | Ocumpaugh, Edmund. (*See* Emrich, Edward, assignor.) | | | | | |
| 213,129 | Odell, Charles F., Pittsburg, Pa., assignor to J. Walters, New York, N. Y. Top-prop for vehicles ..... | Mar. 11, 1879 | 434 | 121 | 15 | 360 |
| 216,343 | Odell, Charles F., Pittsburg, Pa. Brace for carriage-tops ..... | June 10, 1879 | 390 | 111 | 15 | 941 |
| 221,345 | O'Donnell, James B., and W. J. Dever, Hazleton, Pa. Automatic car-brake ..... | Nov. 4, 1879 | 234 | 63 | 16 | 845 |
| 221,346 | O'Donnell, Rosa, San Francisco, Cal. Attachment for invalid-beds ..... | Nov. 4, 1879 | 255 | 64 | 16 | 845 |
| 221,933 | Oechsli, Franz, Castleton, N. Y. Visiting-card ..... | Nov. 25, 1879 | 944 | 264, 265 | 16 | 968 |
| 211,476 | Oehrlein, Casper, Little Canada, Minn. Combined potato digger and hiller ..... | Jan. 21, 1879 | 470 | 133 | 15 | 63 |
| | Oelrichs & Co. (*See* Ernst, George, assignor.) | | | | | |
| 214,579 | Oester, Charles, San Francisco, Cal. Vehicle running-gear ..... | Apr. 22, 1879 | 1021 | 287 | 15 | 627 |
| 212,152 | O'Farrell, Joseph, Morrison, Ill. Side-bar wagon ..... | Feb. 11, 1879 | 383 | 104 | 15 | 177 |
| 211,176 | Ofeldt, Frank W., Newark, N. J. Carbureter ..... | Jan. 7, 1879 | 104 | 33 | 15 | 15 |
| 221,854 | Ogden, James H., assignor to C. C. Paul and C. J. Young, Philadelphia, Pa. Process and apparatus for curing tobacco ..... | Nov. 18, 1879 | 839 | 234 | 16 | 944 |
| | Ogden, Joseph W. (*See* Budd & Ogden.) | | | | | |
| 212,733 | Ogden, Joseph W., Chatham, N. J. Lamp ..... | Feb. 25, 1879 | 1064 | 295 | 15 | 279 |
| 215,962 | Ogden, Richard T., Philadelphia, Pa. Sled ..... | May 27, 1879 | 1134 | 329 | 15 | 870 |
| | O'Hair, Peter. (*See* Greer & O'Hair.) | | | | | |
| 211,772 | O'Harra, David J., Reno, Nev., assignor of one-half interest to J. F. Ferguson. Apparatus for washing chloridized ores ..... | Jan. 28, 1879 | 823 | 231 | 15 | 112 |
| 211,177 | O'Harra, John T., Dodge City, Kans. Car-coupling ..... | Jan. 7, 1879 | 105 | 33 | 15 | 15 |
| | Ohio Manufacturing Company. (*See* Ferris, Hiram R., assignor.) | | | | | |
| | Ohlen, James. (*See* Osgood, Richard H., assignor.) | | | | | |
| 221,602 | Ohlen, James, Columbus, Ohio. Insertible saw-tooth ..... | Nov. 11, 1879 | 539 | 149 | 16 | 896 |
| 220,647 | Ohlenschlager, J. Charles E., assignor to self and I. Schneer, New York, N. Y. Electric train-signaling apparatus ..... | Oct. 14, 1879 | 503 | 132 | 16 | 710 |
| 220,650 | Oldendorph, Henry and J., Duquoin, Ill. Colter attachment for plows ..... | Oct. 14, 1879 | 509 | 134 | 16 | 711 |
| | Oldendorph, John. (*See* Oldendorph, Henry and J.) | | | | | |
| 213,444 | Older, Edson B., and F. E. R. Megow, Independence, Iowa. Churn ..... | Mar. 18, 1879 | 774 | 218 | 15 | 414 |
| 213,445 | Oldershaw, John B., Baltimore, Md. Fire-place heater ..... | Mar. 18, 1879 | 776 | 218 | 15 | 414 |
| 214,693 | Same ..... Grate and fire-pot for stoves ..... | Apr. 22, 1879 | 1140 | 321 | 15 | 642 |
| | Olds, Charles W. (*See* De Turk & Olds.) | | | | | |
| 215,154 | Olin, Edwin D., Indianapolis, Ind. Automatic idle-wheel-supporting device ..... | May 6, 1879 | 201 | 58 | 15 | 727 |
| 211,862 | Olin, William F., assignor to self and W. Deering, Chicago, Ill. Harvesting-machine. | Feb. 4, 1879 | 47 | 15 | 15 | 132 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 219, 871 | Olin, William F., assignor to self and W. Deering, Chicago, Ill. Harvesting-machine | Sept. 23, 1879 | 935 | 258 | 16 | 560 |
| 217, 815 | Oliver, James, South Bend, Ind. Chill-mold | July 22, 1879 | 1009 | 289, 290 | 16 | 163 |
| 217, 898 | Same.....Chilled plow-point | July 29, 1879 | 1116 | 320 | 16 | 184 |
| 220, 086 | Same.....Chill for chilling mold-boards for plows | Sept. 30, 1879 | 1196 | 330, 331 | 16 | 603 |
| 220, 648 | Same.....Chill for chilling plow-points | Oct. 14, 1879 | 504 | 132, 133 | 16 | 710 |
| 220, 649 | Same.....Plow-point | Oct. 14, 1879 | 506 | 133, 134 | 16 | 710 |
| | Oliver, M. W. (*See* Gessert, Charles F., assignor.) | | | | | |
| 214, 694 | Oliver, Robert W., assignor of one-half interest to J. E. Robinson, Richmond, Va. Sign | Apr. 22, 1879 | 1141 | 321 | 15 | 642 |
| 215, 475 | Olmsted, Edmund, Chicago, Ill. Spring-cot and bed-bottom | May 20, 1879 | 590 | 174 | 15 | 791 |
| 212, 867 | Olmsted, Leverett H., Brooklyn, N. Y. Coin-holder | Mar. 4, 1879 | 100 | 30 | 15 | 311 |
| 220, 770 | Same.....same | Oct. 21, 1879 | 660 | 175 | 16 | 739 |
| 212, 107 | Olsen, Tinius, Philadelphia, Pa. Testing-machine | Feb. 11, 1879 | 331 | 91 | 15 | 170 |
| 212, 734 | Same.....same | Feb. 25, 1879 | 1065 | 296 | 15 | 279 |
| 213, 525 | Same.....same | Mar. 25, 1879 | 864 | 246 | 15 | 433 |
| 213, 586 | Same.....same | Mar. 25, 1879 | 936 | 266 | 15 | 442 |
| 213, 998 | Same.....same | Apr. 8, 1879 | 302 | 88 | 15 | 520 |
| 215, 067 | Same.....Hydraulic testing-machine | May 6, 1879 | 91 | 28 | 15 | 714 |
| 216, 752 | Same.....Hydraulic pump for testing-machines | June 24, 1879 | 861 | 244 | 15 | 1022 |
| 218, 561 | Olson, Olof, assignor of one-half interest to L. W. Joseph, Red Oak Junction, Iowa. Cultivator | Aug. 12, 1879 | 527 | 148 | 16 | 303 |
| | Olwin, Jacob, *et al.* (*See* Woods, Frank M., assignor.) | | | | | |
| 213, 239 | O'Meara, Jeremiah, New York, N. Y. Stuffing-box for valves, &c | Mar. 11, 1879 | 552 | 153 | 15 | 376 |
| 211, 422 | Onderdonk, Lansing, New Brunswick, N. J. Gathering and plaiting attachment for sewing-machines | Jan. 14, 1879 | 406 | 116, 117 | 15 | 52 |
| 223, 163 | O'Neil, James, New York, N. Y. Game-bat | Dec. 30, 1879 | 1225 | 346 | 16 | 1219 |
| 221, 347 | Oneil, John K., Hudson, N. Y. Horseshoe | Nov. 4, 1879 | 236 | 64 | 16 | 845 |
| 220, 252 | O'Neill, Charles Z., Boston, Mass. Street-sweeping machine | Oct. 7, 1879 | 48 | 12, 13 | 16 | 641 |
| 215, 155 | O'Neill, Edward F., Storm Lake, Iowa. Self-playing attachment for key-board instruments | May 6, 1879 | 202 | 58 | 15 | 727 |
| | O'Neill, Thomas. (*See* Wilson, John J. W., assignor.) | | | | | |
| 219, 505 | O'Neill, Thomas, Kalamazoo, Mich. Hose-nozzle | Sept. 9, 1879 | 514 | 143 | 16 | 486 |
| 219, 009 | Onslow, Adolphe, Jersey City, N. J. Car-axle box | Aug. 26, 1879 | 1063 | 299 | 16 | 393 |
| 216, 101 | Oppenheimer, August, assignor to Oppenheimer Brothers & Veith, New York, N. Y. Neck-chain slide | June 3, 1879 | 98 | 29 | 15 | 897 |
| 221, 855 | Oppenheimer, Benjamin B., Trenton, Tenn. Fire-escape | Nov. 18, 1879 | 840 | 235 | 16 | 945 |
| | Oppenheimer Brothers & Veith. (*See* Oppenheimer, August, assignor.) | | | | | |
| 221, 348 | Oppenheimer, Lewis and O., Philadelphia, Pa. Suspenders | Nov. 4, 1879 | 237 | 64 | 16 | 845 |
| | Oppenheimer, Oscar. (*See* Oppenheimer, Lewis and O.) | | | | | |
| 213, 833 | Oppliger, Ulrich, Chaux de Fonds, Switzerland, assignor to J. Bauer, Petaluma, Cal. Stem winding and setting watch | Apr. 1, 1879 | 110 | 33 | 15 | 487 |
| 214, 580 | Orcutt, Charles H., Leominster, Mass. Button-lathe | Apr. 22, 1879 | 1022 | 288 | 15 | 627 |
| 212, 971 | Orcutt, William D., Boston, Mass. Rotary cutter for trimming shoe-soles | Mar. 4, 1879 | 237 | 65 | 15 | 327 |
| 216, 753 | Ordway, Albert H., Groveland, assignor of one-half interest to L. E. Hastings, Haverhill, Mass. Oscillating chair | June 24, 1879 | 862 | 244 | 15 | 1022 |
| 214, 636 | O'Reilly, Owen, Westerly, R. I. Shuttle-operating mechanism for looms | Apr. 22, 1879 | 1142 | 321, 322 | 15 | 643 |
| | Orendorff, Quintus. (*See* Hardy, Dexter D., assignor.) | | | | | |
| 215, 834 | O'Rielley, Michael J., Buffalo, N. Y. Steam-generator | May 27, 1879 | 997 | 290 | 15 | 852 |
| 211, 637 | Ormsby, David G., Milwaukee, Wis. Lime-kiln | Jan. 28, 1879 | 675 | 189 | 15 | 93 |
| 215, 963 | Ormsby, William D., Waltham, Mass. Knocking-over bit for knitting-machines | May 27, 1879 | 1135 | 329 | 15 | 870 |
| 218, 827 | Orne, Emma S., Cambridgeport, Mass. Heater for curling-irons | Aug. 26, 1879 | 856 | 241 | 16 | 366 |
| | O'Rourke, John H. (*See* Blanchard, Dudley, assignor.) | | | | | |
| 213, 682 | Orphy, John W., assignor to C. T. Ham and F. D. W. Clarke, Rochester, N. Y. Lantern | Mar. 25, 1879 | 1042 | 296 | 15 | 456 |
| 218, 828 | Orput, James M., Malta, Ill. Wagon | Aug. 26, 1879 | 857 | 241 | 16 | 366 |
| | Orr, James W., *et al.* (*See* Benton, John C., assignor.) | | | | | |
| 8, 538 | Orr, Jesse, Reading, Pa., assignor to Orr, Painter & Co. Heating-stove..(Reissue.) | Jan. 7, 1879 | 246 | 71, 72 | 15 | 32 |
| | Orr, Painter & Co. (*See* Orr, Jesse, assignor) .....(Reissue.) | | | | | |
| | Orr, Wilbur. (*See* Collins, B. Frank, assignor.) | | | | | |
| 213, 928 | Orr, William J., Rock Hill, S. C. Car-coupling | Apr. 1, 1879 | 210 | 61 | 15 | 506 |
| 214, 695 | Same.....Dust-excluding and car-ventilating window | Apr. 22, 1879 | 1141 | 321 | 15 | 642 |
| | Orris, William W. (*See* Clark & Orris.) | | | | | |
| 215, 659 | Orrman, Hjalmar L., Berlin Falls, N. H. Apparatus for evaporating and calcining alkaline solutions | May 20, 1879 | 796 | 233 | 15 | 818 |
| 214, 520 | Orton, Thomas, assignor to W. A. Amberg, Chicago, Ill. Temporary binder for indexing and preserving files | Apr. 22, 1879 | 961 | 270 | 15 | 619 |
| | Orwig, Thomas G., *et al.* (*See* Doty, Milo L., assignor.) | | | | | |
| | Osborn, George K. (*See* Aikman & Osborn.) | | | | | |
| 220, 725 | Osborn, George K., Brooklyn, assignor to United States Illuminating Company, New York, N. Y. Lamp-burner | Oct. 21, 1879 | 602 | 161 | 16 | 732 |
| 220, 726 | Same.....Hydraulic air-pump | Oct. 21, 1879 | 603 | 161 | 16 | 732 |
| | Osborn, Thomas J. (*See* McCarthy & Osborn.) | | | | | |
| | Osborne, D. M. (*See* Hall, Henry W., assignor.) | | | | | |
| | Same.....(*See* Vickers, George, assignor.) | | | | | |
| 212, 320 | Osborne, Eugene F., Saint Paul, Minn. Steam-piping for heating, cooking, &c | Feb. 18, 1879 | 579 | 161, 162 | 15 | 206 |
| 214, 182 | Osborne, George P., New York, N. Y. Safety-plate for securing rail-spikes | Apr. 8, 1879 | 525 | 149 | 15 | 546 |
| 218, 895 | Same.....Sound-deadening device for elevated railways | Aug. 26, 1879 | 944 | 265 | 16 | 378 |
| 219, 364 | Osborne, John W., Washington, D. C. Salve | Sept. 9, 1879 | 364 | ..... | 16 | 466 |
| 217, 190 | Osborne, Thomas D., and F. E. Hemig, Louisville, Ky. Paper box | July 1, 1879 | 291 | 86 | 16 | 40 |
| 217, 953 | Osborne, Wilbur F., Ansonia, Conn. Suspender-buckle | July 29, 1879 | 1176 | 337 | 16 | 192 |
| 219, 300 | Osborne, Wilbur F., and S. H. Baldwin, Ansonia, Conn. Suspender button-end | Sept. 2, 1879 | 281 | 79 | 16 | 447 |
| 221, 856 | Osborne, Wilbur F., Ansonia, Conn. Strap-pulley support for suspender-buckles | Nov. 18, 1879 | 840 | 235 | 16 | 945 |
| 222, 725 | Osborne, Wilbur F., Ansonia, Conn., assignor to C. A. Vinal, Cambridge, and A. W. Pope, Boston, Mass. Shoe-fastening | Dec. 16, 1879 | 713 | 205 | 16 | 1127 |
| 216, 214 | Osburn, Joseph W., Youngsville, Ohio. Vehicle-shaft supporter | June 3, 1879 | 215 | 64 | 15 | 912 |
| 223, 164 | Osgood, Alfred G., Springfield, assignor to W. B. Kimball, Enfield, Mass. Stone-sawing machine | Dec. 30, 1879 | 1226 | 347 | 16 | 1219 |
| 213, 240 | Osgood, Charles M., Amherst, Mass. Hat of straw, palm-leaf, or other similar material | Mar. 11, 1879 | 553 | 154 | 15 | 376 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 212, 396 | Osgood, Elijah R., Columbus, Ohio. Saw-handle | Feb. 18, 1879 | 667 | 186 | 15 | 218 |
| 221, 418 | Osgood, Elijah R., Columbus, Ohio, assignor to Hubbard, Bakewell & Co., Pittsburg, Pa. Handle for crosscut-saws | Nov. 11, 1879 | 327 | 89 | 16 | 866 |
| 216, 290 | Osgood, Enoch, Boston, Mass. Compound for preventing the destruction or rotting of bags, &c | June 10, 1879 | 323 | ..... | 15 | 932 |
| 8, 813 | Osgood, Galen N., Boston, Mass. Steam bell-ringer (Reissue) | July 15, 1879 | 854 | 243 | 16 | 134 |
| 212, 972 | Osgood, Henry H. and T. C., assignors of one-third interest to W. Smith, Adrian, Mich. Relief-valve for air-brakes | Mar. 4, 1879 | 238 | 65 | 15 | 327 |
| | Osgood, Hermon D. (*See* Osgood, James M., assignor.) | | | | | |
| | Osgood, Isaac. (*See* Jones & Osgood.) | | | | | |
| 216, 692 | Osgood, James M., assignor of one-half interest to H. D. Osgood, Somerville, Mass. Balance curtain-fixture | June 17, 1879 | 775 | 221 | 15 | 1001 |
| | Osgood, James R. (*See* Edwards, Ernest, assignor) (Reissue.) | | | | | |
| 214, 310 | Osgood, Josiah, and J. E. Morse, Chelsea, Mass. Snow-plow | Apr. 15, 1879 | 705 | 198 | 15 | 579 |
| | Osgood, Richard H. (*See* Gregg, Romeo, assignor.) | | | | | |
| 222, 304 | Osgood, Richard H., assignor to J. Ohlen, Columbus, Ohio. Inserted saw-tooth | Dec. 2, 1879 | 209 | 55 | 16 | 1037 |
| | Osgood, Tunis C. (*See* Osgood, Henry H. and T. C.) | | | | | |
| 214, 521 | Osmer, Sydney T., Sterling, Ill. Thill-coupling | Apr. 22, 1879 | 962 | 270 | 15 | 619 |
| 222, 526 | Osmond, William, New York, N. Y. Barbed top for fences | Dec. 9, 1879 | 467 | 133 | 16 | 1081 |
| | Ostrander, William. (*See* Hodgetts & Ostrander.) | | | | | |
| | Ostrom, Charles. (*See* Loriot, Henry, assignor.) | | | | | |
| 213, 999 | Ostrom, Charles, Newark, N. J., assignor to E. & H. T. Anthony & Co., New York, N. Y. Clock | Apr. 8, 1879 | 303 | 88 | 15 | 520 |
| 213, 683 | O'Thayne, Patrick, New York, N. Y. Neck-band stretcher | Mar. 25, 1879 | 1043 | 297 | 15 | 456 |
| 216, 693 | Otis, Elbridge L., Rochelle, Ill. Governor for pumping-engines | June 17, 1879 | 776 | 222 | 15 | 1001 |
| 213, 587 | Otis, James K., Cambridgeport, Mass. School desk or settee | Mar. 25, 1879 | 937 | 267 | 15 | 442 |
| 218, 189 | Otis, Samuel A., and E. Parker; said Parker assignor to C. E. Powers, Boston, Mass. Street-car draw-bar | Aug. 5, 1879 | 95 | 26 | 16 | 233 |
| 213, 526 | Otis, Samuel G., Springfield, Mass. Combination measuring-tool | Mar. 25, 1879 | 866 | 247 | 15 | 433 |
| 221, 093 | Otis, Samuel L., assignor to A. H. and C. B. Alling, Birmingham, Conn. Machine for embroidering the tops of stockings, &c | Oct. 28, 1879 | 1042 | 276 | 16 | 798 |
| 222, 837 | Otis, Samuel L., Birmingham, Conn. Machinery for securing buttons to cards | Dec. 23, 1879 | 847 | 243 / 244 | 16 | 1156 |
| 216, 754 | Otis, William R., Boston, Mass. Mower | June 24, 1879 | 863 | 245 | 15 | 1022 |
| 219, 173 | O'Toole, Edward F., Saint Louis, Mo. Sieve | Sept. 2, 1879 | 127 | 39 | 16 | 429 |
| 219, 010 | Ott, Louis W., Indianapolis, Ind. Bed-lounge | Aug. 26, 1879 | 1064 | 300 | 16 | 393 |
| | Otterbein, J. D. (*See* Maris, Thomas C., assignor.) | | | | | |
| 213, 297 | Ottinger, Douglass, Erie, Pa. Wheel for vehicles | Mar. 18, 1879 | 632 | 177 | 15 | 394 |
| 212, 492 | Otto, Edouard C. F., Albany Street, Middlesex County, England. Velocipede | Feb. 18, 1879 | 785 | 217 | 15 | 233 |
| 217, 848 | Otto, Ferdinand, Springfield, Ohio. Eave-trough | July 22, 1879 | 1049 | 300 | 16 | 168 |
| 217, 899 | Ough, Benjamin F., assignor of one-half interest to R. A. Ough, Buffalo, N. Y. Extension-chisel | July 29, 1879 | 1118 | 320 | 16 | 184 |
| | Ough, Richard A. (*See* Ough, Benjamin F., assignor.) | | | | | |
| 223, 063 | Oulson, John G., Upper Alton, Ill. Vehicle | Dec. 30, 1879 | 1110 | 315 | 16 | 1203 |
| 219, 648 | Outten, George F., Norfolk, Va. Horse-detacher | Sept. 16, 1879 | 685 | 190 | 16 | 516 |
| | Outterson, James T. (*See* Taylor, James, assignor) (Reissue.) | | | | | |
| | Same (*See* Taylor & Outterson) (Reissue.) | | | | | |
| | Over, Ewald. (*See* Dawson, George W., assignor.) | | | | | |
| 214, 438 | Overmyer, John B., New Lexington, Ohio. Time-lock | Apr. 15, 1879 | 843 | 237 | 15 | 597 |
| | Overton, Jesse. (*See* Christie & Overton.) | | | | | |
| 212, 493 | Owen, Edward H., Los Angeles, Cal. Bill-file | Feb. 18, 1879 | 787 | 218 | 15 | 233 |
| 212, 045 | Owen, George B., Winsted, Conn. Pendulum-adjustment for clocks | Feb. 4, 1879 | 257 | 69 | 15 | 158 |
| 216, 215 | Same Lock-work for clock-movements | June 3, 1879 | 216 | 64 | 15 | 912 |
| 217, 636 | Owen, Philip A., Nashville, Tenn. Thill-coupling | July 15, 1879 | 797 | 227 | 16 | 126 |
| 218, 132 | Owen, Richard W., Chicago, Ill. Leather box | Aug. 5, 1879 | 29 | 9 | 16 | 224 |
| | Owen, Silas R., *et al.* (*See* Mahan, Frank M., assignor.) | | | | | |
| 215, 020 | Owen, Walter J., Cleveland, Ohio. Check-hook | May 6, 1879 | 42 | 13 | 15 | 708 |
| | Owens, Frederick. (*See* Shaw, George W., assignor.) | | | | | |
| 8, 998 | Owens, John L., Cambria, Wis., assignor to J. Harris. Harvester-rake (Reissue) | Dec. 16, 1879 | 760 | 218 | 16 | 1133 |
| 222, 419 | Owens, John L., Cambria, Wis. Harvester | Dec. 9, 1879 | 342 | 96 | 16 | 1066 |
| 214, 183 | Owens, Samuel T., Allegheny, Pa. Regenerator for reverberatory furnaces | Apr. 8, 1879 | 526 | 150 | 15 | 546 |
| 221, 934 | Ozmann, Philipp, assignor of one-half interest to F. E. Frey, D. J. Sheckler, and W. Hoover, Bucyrus, Ohio. Attachment to file-machines | Nov. 25, 1879 | 944 | 265 | 16 | 968 |
| 217, 547 | Packard, Adoniram J., and C. P. Harris, Hill's Ferry, Cal. Toe-weight for horse-shoes | July 15, 1879 | 697 | 199 | 16 | 113 |
| 211, 254 | Packer, Clinton M., Cambridgeport, Mass. Weather-strip | Jan. 7, 1879 | 190 | 55 | 15 | 25 |
| 214, 581 | Packham, Frank R., Mechanicsburg, Ohio. Machine for crimping and tapering stove-pipes | Apr. 22, 1879 | 1023 | 288 | 15 | 627 |
| 218, 896 | Paddock, John H., Saint Johnsbury, Vt. Ore-separator | Aug. 26, 1879 | 946 | 265 | 16 | 378 |
| 211, 583 | Paddock, Miner H., Clarkson, N. Y. Combined calendar and time-piece | Jan. 21, 1879 | 593 | 168 | 15 | 79 |
| 212, 494 | Paddock, William S., assignor to J. C. Butler, Albany, N. Y. Bottle-filler | Feb. 18, 1879 | 788 | 218 | 15 | 233 |
| 221, 182 | Padgett, George H., Edwards, N. Y. Window-sash | Nov. 4, 1879 | 49 | 13 | 16 | 819 |
| 220, 862 | Padgitt, Tom, Waco, Tex. Strap-protector and buckle | Oct. 21, 1879 | 755 | 201 | 16 | 751 |
| 220, 651 | Pagan, Orestes, Philadelphia, Pa. Tube expander and beader | Oct. 14, 1879 | 510 | 134 | 16 | 711 |
| 216, 528 | Page, Carlos L., Hebron, N. H. Belt safety attachment for elevators | June 17, 1879 | 600 | 170 | 15 | 977 |
| 219, 649 | Page, Carlos L., Cambridgeport, Mass. Box-fastener | Sept. 16, 1879 | 685 | 190 | 16 | 516 |
| 218, 396 | Page, Charles E., Biddeford, Me. Hand-mirror | Aug. 12, 1879 | 332 | 92 | 16 | 276 |
| 219, 011 | Page, Eugenia C., New York, N. Y. Brace | Aug. 26, 1879 | 1064 | 300 | 16 | 394 |
| 213, 241 | Page, Samuel, Pardee, Kans. Corn-planter | Mar. 11, 1879 | 554 | 154 | 15 | 376 |
| 220, 941 | Page, T. Nicholas, Boston, Mass. Collar and cuff | Oct. 28, 1879 | 861 | 231 | 16 | 775 |
| 219, 756 | Page, Truman E., Genoa, assignor of one-half interest to C. C. Fletcher, La Crosse, Wis. Cutting apparatus for harvesters | Sept. 16, 1879 | 797 | 220 | 16 | 532 |
| 220, 652 | Page, William F., Boston, Mass. Self-closing faucet | Oct. 14, 1879 | 511 | 135 | 16 | 711 |
| 217, 139 | Pagin, Joel, Washington Prairie, Iowa. Grain-binder | July 1, 1879 | 236 | 68 | 16 | 33 |
| | Pahl, George. (*See* Drake, Cornelius E., assignor.) | | | | | |
| 220, 087 | Paillard, Aimé V. L., Paris, France. Gas-generator | Sept. 30, 1879 | 1200 | 331 | 16 | 604 |
| 212, 108 | Paillard, Amedée, Ste. Croix, Switzerland, assignor to M. J. Paillard & Co., New York, N. Y. Music-box | Feb. 11, 1879 | 333 | 91 | 15 | 170 |
| | Paillard & Co., M. J. (*See* Métérf, Henri J. A., assignor.) | | | | | |
| | Same (*See* Paillard, Amedée, assignor.) | | | | | |
| 218, 308 | Pain, Robert W., assignor to E. P. Needham & Son, New York, N. Y. Mechanical musical instrument | Aug. 5, 1879 | 224 | 60 | 16 | 251 |
| 216, 968 | Paine, Barrett C., assignor to self and C. B. Poyntz, Indianapolis, Ind. Car-coupling | July 1, 1879 | 47 | 15 | 16 | 9 |
| 215, 660 | Paine, Daniel D., W. Brighty, and A. E. Pulner, Moline, Mich. Water-elevator | May 20, 1879 | 797 | 233 | 15 | 819 |
| 216, 055 | Paine, Edwin L., Newark, N. J. Electric dental plugger | June 3, 1879 | 54 | 15 | 15 | 891 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 217,475 | Paine, George C., assignor of one-half interest to E. H. Mahoney, Boston, Mass. Folding rocking-chair | July 15, 1879 | 623 | 178 | 16 | 103 |
| 217,476 | Same.....same | July 15, 1879 | 624 | 178 | 16 | 103 |
| | Paine, Hollis C. (*See* Henderson & Paine.) | | | | | |
| 220,253 | Paine, Reuben B., Knowlesville, N. Y. Lamp-burner | Oct. 7, 1879 | 49 | 13 | 16 | 641 |
| | Pairan, Theodore. (*See* Luallen & Pairan.) | | | | | |
| 216,444 | Palacios, Daniel, New York, N. Y. Oscillating pump | June 10, 1879 | 504 | 143 | 15 | 956 |
| 216,884 | Pallausch, Franz, Vienna, Austria. Apparatus for refrigerating air for cooling beer, &c | June 24, 1879 | 1004 | 285 | 15 | 1040 |
| 221,419 | Palliser, William, Earl's Court Square, Kensington, Middlesex County, England. Breech-loading ordnance | Nov. 11, 1879 | 327 | 89, 90 | 16 | 866 |
| 218,562 | Palm, Andrew, assignor of one-half interest to J. H. Wilder, Lawrence, Kans. Rub-iron for vehicles | Aug. 12, 1879 | 528 | 148 | 16 | 303 |
| 219,301 | Palm, Theodore A., Dickinson Township, Cumberland County, Pa. Car-coupling | Sept. 2, 1879 | 281 | 79 | 16 | 447 |
| | Palmatier, Francis. (*See* Palmatier, Stanton, assignor.) | | | | | |
| 218,309 | Palmatier, Stanton, assignor of one-half interest to F. Palmatier, Leeds, N. Y. Whiffle-tree | Aug. 5, 1879 | 226 | 61 | 16 | 251 |
| 218,190 | Palmcrantz, Helge, Stockholm, Sweden, assignor to T. Nordenfelt, London, England. Machine-gun | Aug. 5, 1879 | 96 | 26, 27 | 16 | 234 |
| 220,545 | Same.....same | Oct. 14, 1879 | 385 | 100, 101 | 16 | 695 |
| 214,439 | Palmer, Aaron, assignor of three-fourths interest to E. Holmes, Rochester, N. Y. Elevator for tanners' vats | Apr. 15, 1879 | 844 | 237 | 15 | 597 |
| 213,588 | Palmer, Anna L., Chariton, Iowa. Combined aspirator, concealed uterine cauterizer, and vaginal syringe | Mar. 25, 1879 | 938 | 267 | 15 | 442 |
| 220,727 | Palmer, Augustus C. and A. H., Utica, N. Y., assignors to Utica Fire Alarm Telegraph Company. Telegraph and fire-alarm signal apparatus | Oct. 21, 1879 | 605 | 161 | 16 | 732 |
| | Palmer, Augustus H. (*See* Palmer, Augustus C. and A. H.) | | | | | |
| 220,088 | Palmer, Augustus H., assignor of two-thirds interest to A. D. Barber, jr., Utica, and J. E. Jones, Addison, N. Y. Non-interfering fire-alarm box | Sept. 30, 1879 | 1202 | 331 | 16 | 604 |
| 222,364 | Palmer, Benjamin, Danville, assignor to L. Guinnip, Chicago, Ill. Horse-collar | Dec. 9, 1879 | 283 | 79 | 16 | 1058 |
| 212,397 | Palmer, Charles H., jr., Merrimac, Mass. Carriage | Feb. 18, 1879 | 668 | 187 | 15 | 218 |
| | Palmer, Eugene P. (*See* Palmer, Norman W., assignor.) | | | | | |
| | Palmer, Francis E. (*See* Adair & Palmer.) | | | | | |
| 220,089 | Palmer, Frank H., Brooklyn, N. Y., assignor to F. O. Pierce & Co. Sheet-metal can | Sept. 30, 1879 | 1204 | 332 | 16 | 605 |
| 216,102 | Palmer, George, Littlestown, Pa. Bone-mill | June 3, 1879 | 99 | 29 | 15 | 897 |
| 221,349 | Palmer, George C., Rochester, N. H. Adjustable nozzle for hose | Nov. 4, 1879 | 238 | 64 | 16 | 845 |
| 212,868 | Palmer, Harmon S., Owasso, Mich. Fence-post | Mar. 4, 1879 | 101 | 30 | 15 | 311 |
| 8,697 | Palmer, Henry L., Brooklyn, N. Y., assignor of one-half interest to C. C. Skilton. Design for non-conducting platforms (Reissue) | May 6, 1879 | 255 | ..... | 15 | 735 |
| 8,883 | Palmer, Henry L., Brooklyn, N. Y., assignor, by mesne assignments, to B. C. Faurot, trustee. Apparatus for lining paper-board (Reissue) | Sept. 2, 1879 | 331 | 93 | 16 | 454 |
| 216,573 | Palmer, Henry L., Brooklyn, N. Y. Platform or mat | June 17, 1879 | 646 | 184 | 15 | 984 |
| 216,574 | Same.....Stove-board and table-mat | June 17, 1879 | 649 | 184 | 15 | 984 |
| 8,978 | Palmer, Isaac E., Middletown, Conn., assignor, by mesne assignments, to self and V. S. Allien, New York, N. Y. Apparatus for stretching and dressing mosquito-net and other fabrics (Reissue) | Nov. 25, 1879 | 1150 | 324 | 16 | 997 |
| 222,527 | Palmer, Isaac E., Middletown, Conn. Process and machinery for starch-clearing, &c., woven fabrics | Dec. 9, 1879 | 468 | 133 | 16 | 1082 |
| 214,184 | Palmer, Isaac H., Lodi, Wis. Windmill | Apr. 8, 1879 | 528 | 150 | 15 | 547 |
| 212,046 | Palmer, James T., Buffalo, N. Y. Syringe | Feb. 4, 1879 | 258 | 70 | 15 | 158 |
| 211,342 | Palmer, John S., Providence, R. I. Plunger for drawing tubular articles | Jan. 14, 1879 | 321 | 95 | 15 | 42 |
| 215,536 | Same.....Tool for drawing sheet-metal shells | May 20, 1879 | 658 | 191 | 15 | 800 |
| 217,398 | Same.....Manufacture of stock-plate for jewelry | July 8, 1879 | 524 | 151 | 16 | 79 |
| 215,661 | Palmer, Merritt W., Schoolcraft, Mich. Windmill | May 20, 1879 | 797 | 233 | 15 | 819 |
| 211,638 | Palmer, Nelson, New York, N. Y. Rotary mold-board plow | Jan. 28, 1879 | 676 | 190 | 15 | 93 |
| 213,242 | Same.....Rotary gang-plow | Mar. 11, 1879 | 555 | 154, 155 | 15 | 376 |
| 216,445 | Palmer, Norman W., New York, N. Y., assignor of one-half interest to E. P. Palmer, Chicago, Ill. Seal-lock | June 10, 1879 | 504 | 143 | 15 | 956 |
| 8,636 | Palmer, Theodore J., New York, N. Y. Design for sofa and chair frames (Reissue) | Mar. 25, 1879 | 1094 | ..... | 15 | 463 |
| 214,787 | Panse, Friedrich, assignor of one-half interest to D. Kisch and L. M. Simson, New York, N. Y. Plaiting-machine | Apr. 29, 1879 | 1261 | 353 | 15 | 665 |
| 214,788 | Same.....same | Apr. 29, 1879 | 1263 | 353, 354 | 15 | 665 |
| | Paper Novelty Company. (*See* Ingersoll, Chalmers, assignor.) | | | | | |
| 222,939 | Pardessus, Semon J., Brooklyn, N. Y. Ventilator-cap | Dec. 23, 1879 | 963 | 276 | 16 | 1173 |
| 213,929 | Paris, Adolph, and J. P. Lange, Hamburg, Germany. Signaling apparatus for telephones | Apr. 1, 1879 | 210 | 62 | 15 | 500 |
| 219,975 | Parisette, Joseph, assignor to self and R. L. McOuat, Indianapolis, Ind. Refrigerating apparatus | Sept. 23, 1879 | 1053 | 292 | 16 | 576 |
| | Park, Collins. (*See* Black, Josiah, assignor.) | | | | | |
| 216,805 | Park, Hiram A. S., Indianapolis, Ind. Detergent compound | June 24, 1879 | 923 | ..... | 15 | 1030 |
| 219,597 | Park, Horton, Mount Victory, Ohio. Lubricating device | Sept. 9, 1879 | 516 | 144 | 16 | 486 |
| | Park, Pliny H., *et al.* (*See* Ross, Andrew J., assignor.) | | | | | |
| | Park, Selinda. (*See* Park & Gleason, assignors.) | | | | | |
| 211,343 | Park, William H., and E. C. Gleason, assignors to S. Park, Boston, Mass. Curtain roller and bracket | Jan. 14, 1879 | 322 | 95 | 15 | 42 |
| 8,734 | Park, William R., assignor to Hancock Inspirator Company, Boston, Mass. Inspirator (Reissue) | June 3, 1879 | 261 | 77 | 15 | 917 |
| 212,620 | Same.....Inspirator | Feb. 25, 1879 | 954 | 264 | 15 | 264 |
| 218,563 | Parker, Barzillai K., New York, N. Y. Truck for moving oil-cloths, &c | Aug. 12, 1879 | 529 | 149 | 16 | 303 |
| 211,773 | Parker, Charles A., Worcester, Mass. Automatic feeding apparatus for stables | Jan. 28, 1879 | 825 | 231 | 15 | 113 |
| 215,835 | Parker, Charles M., Kalamazoo, Mich. Moth-proof fur-case | May 27, 1879 | 998 | 290 | 15 | 853 |
| 211,863 | Parker, Charles P., Joliet, Ill. Barb for wire fences | Feb. 4, 1879 | 49 | 15 | 15 | 132 |
| 213,930 | Parker, Columbus M. and E. R., Mission Centre, Kans. Rein-holder | Apr. 1, 1879 | 212 | 62 | 15 | 500 |
| | Parker Company, Charles. (*See* Perkins, James M., assignor.) | | | | | |
| | Parker, Edmond R. (*See* Parker, Columbus M. and E. R.) | | | | | |
| 213,130 | Parker, Edward H., Poughkeepsie, N. Y. Catafalque | Mar. 11, 1879 | 435 | 121 | 15 | 360 |
| 219,650 | Parker, Edwin R., Scranton, Pa. Saw-clamp and filing-guide | Sept. 16, 1879 | 686 | 190, 191 | 16 | 516 |
| | Parker, Ephraim. (*See* Otis & Parker.) | | | | | |
| 221,183 | Parker, Ephraim J., Carpentersville, Ind. Horseshoe-calk-welding anvil | Nov. 4, 1879 | 50 | 14 | 16 | 819 |
| | Parker, F. M. (*See* Foulger, George W., assignor.) | | | | | |
| 215,767 | Parker, Frank F., assignor to P. Derby, Gardner, Mass. Machine for tenoning chair-legs | May 27, 1879 | 912 | 267, 268 | 15 | 842 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Parker, G. N., *et al.* (*See* Woods, Frank M., assignor.) | | | | | |
| | Parker, Harvey B. (*See* Parker, Jeremiah M. and H. B.) | | | | | |
| 216, 694 | Parker, Henry, assignor to self and J. Lindsey, Claiborne, Miss. Baling-press | June 17, 1879 | 778 | 222 | 15 | 1002 |
| 212, 047 | Parker, Jeremiah M. and H. B., Farmer City, Ill. Honey-box for bee-hives | Feb. 4, 1879 | 258 | 70 | 15 | 158 |
| 219, 509 | Parker, Joseph A. J. W., Whiteville, Tenn. Plow | Sept. 9, 1879 | 518 | 144 | 16 | 487 |
| 217, 637 | Parker, Joseph M., Titusville, N. J. Churn | July 15, 1879 | 798 | 227 | 16 | 126 |
| | Parker, Knight. (*See* Burgner & Parker.) | | | | | |
| 211, 584 | Parker, Samuel G., Dyersburg, Tenn. Regulator attachment for watch dust-caps | Jan. 21, 1879 | 597 | 168 | 15 | 79 |
| | Parker, Samuel J. (*See* Ross & Parker.) | | | | | |
| | Parker, Thomas. (*See* Tainter & Parker.) | | | | | |
| 219, 302 | Parkhurst, Amos F., Algonquin, assignor of one-half interest to A. Mette, Chicago, Ill. Bottle-stopper | Sept. 2, 1879 | 283 | 80 | 16 | 447 |
| | Parkhurst, Emily R. (*See* Parkhurst, Stephen R., assignor.) | | | | | |
| 216, 103 | Parkhurst, Stephen R., assignor to E. R. Parkhurst, Mont Clair, N. J. Mechanism for forming caps for combing and carding machines | June 3, 1879 | 100 | 29, 30 | 15 | 897 |
| 219, 508 | Parkhurst, William A., Valley Falls, R. I. Momentum-brake for spinning-mules | Sept. 9, 1879 | 517 | 144 | 16 | 486 |
| 212, 398 | Parkin, William H., Good Hope, Ill. End-gate for wagons | Feb. 18, 1879 | 669 | 187 | 15 | 218 |
| 221, 857 | Parkinson, Charles, Cold Water, Mich. Fruit-ladder | Nov. 18, 1879 | 841 | 235 | 16 | 945 |
| 218, 310 | Parkman, Albion B., Saint Albans, Me. Hame-fastener | Aug. 5, 1879 | 226 | 61 | 16 | 251 |
| 219, 976 | Parks, Edwin R., Delaware Mine, Mich. Privy-seat | Sept. 23, 1879 | 1055 | 292 | 16 | 576 |
| | Parks, John H., *et al.* (*See* Morton, Ephraim S., assignor.) | | | | | |
| | Parks, John R. (*See* Parks, Robert B. and J. R.) | | | | | |
| 216, 970 | Parks, Marshall, Norfolk, Va. Guide-pile | July 1, 1879 | 49 | 15, 16 | 16 | 9 |
| 214, 000 | Parks, Robert B. and J. R., Princeton, Ill. Tire-setting machine | Apr. 8, 1879 | 304 | 88, 89 | 15 | 520 |
| 214, 001 | Same.....Machine for measuring tires for wheels | Apr. 8, 1879 | 307 | 89 | 15 | 521 |
| | Parks, Samuel T. (*See* Huntington, Henry C., assignor.) | | | | | |
| | Parmelee, David H., *et al.* (*See* Specs, David F., assignor.) | | | | | |
| 218, 564 | Parmelee, Henry S., New Haven, Conn. Automatic fire-extinguisher | Aug. 12, 1879 | 529, | 149 | 16 | 303 |
| 218, 640 | Parmelee, Wellington L., Killingworth, Conn. Machine for making checkers and buttons | Aug. 19, 1879 | 630 | 177 | 16 | 325 |
| 8, 767 | Parmenter, Charles O., Amherst, Mass. Sewing-machine (Reissue) | June 24, 1879 | 1063 | 301 | 15 | 1048 |
| 212, 495 | Same.....same | Feb. 18, 1879 | 788 | 218 | 15 | 233 |
| 221, 603 | Parmenter, John E., Fort Pembina, Dak. Skate | Nov. 11, 1879 | 539 | 149 | 16 | 896 |
| 216, 969 | Parr, George, assignor to S. M. Parr, Buffalo, N. Y. Machine for rolling chisels | July 1, 1879 | 48 | 15 | 16 | 9 |
| 213, 298 | Parr, James A., New Britain, Conn. Stockinet-seaming machine | Mar. 18, 1879 | 632 | 178 | 15 | 394 |
| 213, 299 | Same.....Knitting-machine | Mar. 18, 1879 | 633 | 178 | 15 | 394 |
| | Parr, Sarah M. (*See* Parr, George, assignor.) | | | | | |
| 215, 768 | Parré, Louis S., Batavia, assignor of one-half interest to A. Hofmann, Chicago, Ill. Machine for forging horseshoe-nails | May 27, 1879 | 913 | 268, 269 | 15 | 842 |
| 220, 863 | Parrish, Fred B., Wilkesbarre, Pa. Mining-drill | Oct. 21, 1879 | 756 | 202 | 16 | 752 |
| | Parrish, Homer A. (*See* Parrish, Marcus F., M. W., and H. A.) | | | | | |
| 221, 699 | Parrish, Marcus F., Kalamazoo, M. W. Parrish, Jackson, and H. A. Parrish, Kalamazoo, Mich. Stump-extractor | Nov. 18, 1879 | 648 | 181 | 16 | 919 |
| | Parrish, Myron W. (*See* Parrish, Marcus F., M. W., and H. A.) | | | | | |
| 215, 476 | Parry, Felix D., Amesbury, Mass. Carriage-bow | May 20, 1879 | 592 | 174 | 15 | 791 |
| 221, 858 | Parry, John, Sale, Chester County, Great Britain. Swinging mirror | Nov. 18, 1879 | 842 | 235 | 16 | 945 |
| 213, 589 | Parshall, Charles H., Detroit, Mich. Lubricator | Mar. 25, 1879 | 939 | 267 | 15 | 442 |
| 214, 311 | Same.....same | Apr. 15, 1879 | 705 | 198 | 15 | 579 |
| 218, 191 | Same.....same | Aug. 5, 1879 | 100 | 27 | 16 | 234 |
| | Parson, Arvid. (*See* Potts & Parson.) | | | | | |
| 214, 946 | Parson, Henry E., New York, N. Y. Apparatus for utilizing waste gases of distillation in refining petroleum | Apr. 29, 1879 | 1430 | 397 | 15 | 687 |
| | Parsons, George W., *et al.* (*See* Holmes, Nelson, assignor.) | | | | | |
| | Parsons, Joseph H. (*See* Richardson, Fred W., assignor.) | | | | | |
| 218, 767 | Parsons, Plummer H., Sacramento, assignor to C. Waterhouse, San Francisco, Cal. Hub-mortising-machine attachment | Aug. 19, 1879 | 764 | 216 | 16 | 343 |
| | Parsons, Samuel W., *et al.* (*See* Holmes, Nelson, assignor.) | | | | | |
| | Parsons, Seth E. (*See* McDonald & Parsons.) | | | | | |
| | Partin, James C. (*See* Whitaker & Partin.) | | | | | |
| 219, 409 | Partlow, David T., assignor of one-half interest to A. S. Hand, Catawba River, S. C. Mechanical movement | Sept. 9, 1879 | 416 | 116 | 16 | 473 |
| | Parton, John. (*See* Birchall & Parton.) | | | | | |
| | Partrick, Alfred W. (*See* Graves & Partrick.) | | | | | |
| 219, 303 | Partrick, Hawley, assignor of one-half interest to A. Solmans, South Norwalk, Conn. Stiffening hats | Sept. 2, 1879 | 283 | ..... | 16 | 447 |
| | Partridge, Horace. (*See* Johnson, Charles C., assignor.) | | | | | |
| 8, 893 | Partz, August F. W., Philadelphia, Pa, assignor, by mesne assignments, to Blake Crusher Company, New Haven, Conn. Ore-crusher (Reissue) | Sept. 16, 1879 | 841 | 232 | 16 | 538 |
| 219, 506 | Parvin, Thomas H., Chicago, Ill. Grain-binder for harvesters | Sept. 9, 1879 | 515 | 143, 144 | 16 | 486 |
| 221, 604 | Passage, George E., Nunda Station, N. Y. Grain-separator | Nov. 11, 1879 | 540 | 149 | 16 | 896 |
| 219, 651 | Passel, George W., and W. H. Doane, assignors to J. A. Fay & Co., Cincinnati, Ohio. Planing and matching machine | Sept. 16, 1879 | 688 | 191 | 16 | 517 |
| 8, 560 | Passmore, Everett G., Philadelphia, Pa. Lawn-mower (Reissue) | Jan. 28, 1879 | 904 | 255 | 15 | 123 |
| 216, 056 | Same.....same | June 3, 1879 | 55 | 15 | 15 | 891 |
| | Pate, John R. (*See* Witherington, Willis F., assignor.) | | | | | |
| | Patent Composite Fire Light Company. (*See* Duffy & Davids, assignors.) | | | | | |
| | Pates, Thomas. (*See* Black & Pates.) | | | | | |
| 213, 061 | Pates, Thomas, Alton, Ill., assignor to Hapgood & Co., Saint Louis, Mo. Wheel-colter | Mar. 11, 1879 | 348 | 98 | 15 | 350 |
| 212, 621 | Patric, Charles E., Rochester, N. Y. Mechanical movement | Feb. 25, 1879 | 955 | 264 | 15 | 264 |
| | Pattberg & Brothers, Lewis. (*See* Gaertner, Adolph, assignor.) | | | | | |
| | Same.....(*See* Ried, Joseph, assignor.) | | | | | |
| 213, 344 | Pattberg, Hilarius, Jersey City Heights, N. J. Picture-frame | Mar. 18, 1879 | 681 | 191 | 15 | 401 |
| 214, 789 | Same.....Graphoscope | Apr. 29, 1879 | 1266 | 354 | 15 | 666 |
| 220, 546 | Patten, Charles W., Salisbury, Mass. Vehicle-spring clip | Oct. 14, 1879 | 390 | 101 | 16 | 695 |
| 218, 829 | Patten, George M., Yonkers, N. Y., assignor to Thompson, Perley & Waite, Baldwinsville, Mass. Chair | Aug. 26, 1879 | 858 | 241 | 16 | 366 |
| 211, 774 | Patten, John, Spruce Mountain, Nev. Compressed-air water-elevator | Jan. 28, 1879 | 826 | 232 | 15 | 113 |
| 215, 068 | Patterson, Chester R., Pittston, Pa. Horse-rake | May 6, 1879 | 93 | 28 | 15 | 714 |
| 222, 838 | Patterson, Henry C., Lawrence, Kans. Steam-cooker | Dec. 23, 1879 | 850 | 244 | 16 | 1156 |
| 222, 528 | Patterson, Jacob M., Woodbury, N. J. Air-heating attachment | Dec. 9, 1879 | 470 | 133 | 16 | 1082 |
| 216, 755 | Patterson, James A., Rock Falls, Ill. Corn-planter | June 24, 1879 | 863 | 245 | 15 | 1022 |
| 211, 520 | Patterson, John, Belfast, Ireland. Machine for stamping or beetling textile fabrics | Jan. 21, 1879 | 523 | 147 | 15 | 70 |
| 221, 350 | Patterson, John, Inverness Terrace, Middlesex County, England. Apparatus for concentrating and amalgamating gold, &c | Nov. 4, 1879 | 238 | 65 | 16 | 845 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Patterson, John M. (*See* Jackson, Oliver P., assignor.) | | | | | |
| | Patterson, John M., *et al.* (*See* Arbogast, Philip, assignor.) | | | | | |
| | Same.....(*See* Jackson & McTighe, assignors.) | | | | | |
| | Patterson, John S. (*See* Griffith & Patterson.) | | | | | |
| 212, 496 | Patterson, John W., assignor of one-half interest to S. A. Prather, Slaughterville, Ky. Washing-machine | Feb. 18, 1879 | 790 | 219 | 15 | 234 |
| | Patterson, Thomas L. (*See* Walker & Patterson.) | | | | | |
| 211, 775 | Patterson, William, Constantine, Mich. Steam-brake | Jan. 28, 1879 | 829 | 233 | 15 | 113 |
| 215, 662 | Same.....Millstone-driver | May 20, 1879 | 798 | 234 | 15 | 819 |
| 222, 073 | Pattillo, Robert M., assignor of one-half interest to J. A. Stover, Cartersville, Ga. Bale-tie | Nov. 25, 1879 | 1096 | 308 | 16 | 989 |
| 219, 510 | Pattin, Richard, Harmar, H. L. Sibley, Marietta, and T. M. Beagle, Harmar, Ohio. Breast-collar for harness | Sept. 9, 1879 | 519 | 145 | 16 | 487 |
| 220, 304 | Pattison, John, Nevada City, Cal. Explosive compound | Oct. 7, 1879 | 107 | ..... | 16 | 649 |
| | Pattison, Juan. (*See* Garfield & Pattison.) | | | | | |
| 217, 477 | Pattison, Juan, New York, assignor to C. L. Garfield, Albany, N. Y. Fire-extinguishing engine | July 15, 1879 | 625 | 178 | 16 | 103 |
| 217, 743 | Pattison, Robert R., Terre Haute, Ind. Extension stove-pipe | July 22, 1879 | 936 | 268 | 16 | 154 |
| 213, 684 | Patton, Alexander S., Pittsburg, Pa. Water indicator and alarm | Mar. 25, 1879 | 1044 | 297 | 15 | 456 |
| 222, 726 | Patton, Charles W., Louisville, Ky. Churn-power and table | Dec. 16, 1879 | 714 | 205 | 16 | 1127 |
| 214, 185 | Patton, George W., and J. H. Knowles, Philadelphia, Pa. Rag-clipping machine | Apr. 8, 1879 | 529 | 150 | 15 | 547 |
| | Patton, John J. (*See* Woodson, Patton, Early & Woodson.) | | | | | |
| 213, 527 | Paul, Almarin B., San Francisco, Cal. Amalgamating quartz-mill | Mar. 25, 1879 | 867 | 247 | 15 | 433 |
| | Paul, Charles C., *et al.* (*See* Ogden, James H., assignor.) | | | | | |
| 213, 528 | Paul, George D., Brick Church Station, N. J., assignor to P. P. Paul and T. A. Wilson, New York, N. Y. Last for boots and shoes | Mar. 25, 1879 | 868 | 247 | 15 | 434 |
| | Paul, Harry B. (*See* Doble & Paul.) | | | | | |
| | Paul, Parker P., *et al.* (*See* Paul, George D., assignor.) | | | | | |
| | Paull, Archibald W. (*See* Stamp, John H., assignor.) | | | | | |
| 221, 698 | Paull, Archibald W., Wheeling, W. Va., assignor of one-half interest to C. S. S. Baron, Bellaire, Ohio. Lantern-guard | Nov. 18, 1879 | 647 | 181 | 16 | 919 |
| | Paxson, Thomas P. (*See* Bramble, James, assignor.) | | | | | |
| 212, 048 | Paxton, William D., Fredericksburg, Ohio. Mower | Feb. 4, 1879 | 259 | 70, 71 | 15 | 158 |
| 213, 062 | Payn, Frank D., Albany, N. Y. Weighing-scales | Mar. 11, 1879 | 349 | 98 | 15 | 350 |
| | Payne, Addis E. (*See* George & Payne.) | | | | | |
| 213, 243 | Payne, George, Rome, N. Y. Vacuum-pump base | Mar. 11, 1879 | 557 | 155 | 15 | 377 |
| 212, 321 | Payne, George F., Rome, N. Y. Sprinkling-can | Feb. 18, 1879 | 582 | 162 | 15 | 206 |
| 214, 440 | Payne, Joseph M., Boonville, Mo. Sulky-plow | Apr. 15, 1879 | 846 | 237, 238 | 15 | 597 |
| | Payne, Mary E. H., *et al.* (*See* Gilchrist, Jerome E., assignor.) | | | | | |
| 221, 094 | Payne, Rosseel, Ox Bow, N. Y. Snow-plow | Oct. 28, 1879 | 1043 | 277 | 16 | 798 |
| 220, 653 | Payne, Rowland T., and O. P. Richards, Eureka, Ill. Funnel attachment to spouts | Oct. 14, 1879 | 512 | 135 | 16 | 711 |
| | Payne, Thomas B. (*See* Barnhill & Payne.) | | | | | |
| 214, 790 | Payne, William H., Sandwich, Ill. Grain-binder | Apr. 29, 1879 | 1267 | 354 | 15 | 666 |
| 219, 304 | Same.....same | Sept. 2, 1879 | 284 | 80 | 16 | 448 |
| | Paynter, Edwin R. (*See* Bennum & Powers, assignors.) | | | | | |
| 216, 695 | Payson, Joseph R., Chicago, Ill. Bolt for doors | June 17, 1879 | 778 | 222 | 15 | 1002 |
| 217, 140 | Same.....Latch | July 1, 1879 | 238 | 69 | 16 | 33 |
| 219, 977 | Same.....same | Sept. 23, 1879 | 1055 | 292 | 16 | 576 |
| 220, 654 | Payton, Gains R., Munfordville, Ky. Tobacco-press | Oct. 14, 1879 | 512 | 135 | 16 | 711 |
| | Payton, Henry. (*See* Dackus, William S., assignor.) | | | | | |
| 215, 390 | Peabody, Albion P., Holden, Mo. Animal-trap | May 13, 1879 | 475 | 142 | 15 | 767 |
| 215, 769 | Peacock, Elijah P., assignor to Thorn Wire Hedge Company, Chicago, Ill. Machine for barbing fence-wires | May 27, 1879 | 915 | 269 | 15 | 843 |
| 216, 446 | Peacock, George, Selma, Ala. Seaming-tongs | June 10, 1879 | 506 | 143 | 15 | 956 |
| | Pearce, Frank T., *et al.* (*See* Appleton, William, assignor.) | | | | | |
| | Pearce, Jacob A. (*See* Clark & Pearce.) | | | | | |
| 212, 109 | Pearce, James M., Parker City, Pa. Pump for oil-wells | Feb. 11, 1879 | 334 | 92 | 15 | 170 |
| 221, 351 | Pearson, Enoch H., Epping, N. H. Manufacturing knit mittens | Nov. 4, 1879 | 240 | 65 | 16 | 845 |
| 215, 663 | Pearson, Jacob L., assignor of one-half interest to J. Hueston, Chester, Pa. Punching-machine | May 20, 1879 | 800 | 234 | 15 | 819 |
| | Pearson, William. (*See* Sibley, Harvey H., assignor.) | | | | | |
| | Pearson, William H. (*See* Bradley, John, assignor.) | | | | | |
| 211, 178 | Pease, Edwin R., Poughkeepsie, N. Y. Boot and shoe heel | Jan. 7, 1879 | 106 | 34 | 15 | 15 |
| 223, 065 | Pease, George H., Westfield, Mass. Combined fertilizer-dropper and hill-marker | Dec. 30, 1879 | 1113 | 316 | 16 | 1204 |
| 213, 131 | Peaslee, Hiram A., Salem, Mass. Picture-frame attachment | Mar. 11, 1879 | 436 | 121 | 15 | 361 |
| 216, 696 | Peaslee, Jacob, Ashland, N. H. Felt-guide for paper-making machines | June 17, 1879 | 779 | 222 | 15 | 1002 |
| 219, 012 | Peberdy, Samuel, assignor of one-third interest to H. Howson, Philadelphia, Pa. Knitting-machine needle | Aug. 26, 1879 | 1065 | 300 | 16 | 394 |
| 218, 768 | Pechmann, Julius, Chattanooga, Tenn. Conversion of cinders into building material | Aug. 19, 1879 | 765 | 217 | 16 | 343 |
| | Peck, Adelia L., *et al.* (*See* Welch, Henry J., assignor.) | | | | | |
| 213, 590 | Peck, Albert E., assignor of one-half interest to C. H. Peck, Providence, R. I. Key-fastener | Mar. 25, 1879 | 941 | 267 | 15 | 442 |
| | Peck Brothers & Co. (*See* Moore, Aquila, assignor.) | | | | | |
| | Peck, Charles. (*See* Waite & Peck.) | | | | | |
| | Peck, Charles C. (*See* Holton & Abbey, assignors.) | | | | | |
| | Peck, Charles H. (*See* Peck, Albert E., assignor.) | | | | | |
| 216, 057 | Peck, Daniel B., Jackson, Mich. Spring bed-bottom | June 3, 1879 | 56 | 15 | 15 | 892 |
| 221, 859 | Peck, George W., Omaha, Nebr. Fastening for egg-carriers | Nov. 18, 1879 | 843 | 236 | 16 | 945 |
| 214, 947 | Peck, John B., assignor to H. F. Barrows, North Attleborough, Mass. Watch-chain | Apr. 29, 1879 | 1431 | 398 | 15 | 688 |
| 215, 964 | Peck, Louis W., Minneapolis, Minn. Lamp attachment | May 27, 1879 | 1135 | 329 | 15 | 870 |
| 212, 110 | Peck, Obed, Rowe, and D. Powers, Shelburne, Mass.; said Powers assignor to said Peck. Bit-stock | Feb. 11, 1879 | 336 | 92 | 15 | 170 |
| 219, 872 | Peck, Obed, Rowe, Mass. Bit-stock | Sept. 23, 1879 | 927 | 259 | 16 | 560 |
| 212, 973 | Peck, Orrin C., Beatrice, Nebr. Blind-slat adjuster | Mar. 4, 1879 | 239 | 65 | 15 | 327 |
| 222, 727 | Peck, Richard W., assignor to self, J. Lynch, New York, N. Y., and L. Howard, Essex, Conn. Valve | Dec. 16, 1879 | 715 | 205 | 16 | 1127 |
| 222, 728 | Peck, Richard W., assignor to self, J. Lynch, Brooklyn, N. Y., and L. Howard, Essex, Conn. Piston-packing | Dec. 16, 1879 | 716 | 205 | 16 | 1127 |
| | Peck, Stow & Wilcox Company. (*See* Ellrich, Robert C., assignor.) | | | | | |
| | Same.....(*See* Shepard, Amos, assignor).....(Reissue.) | | | | | |
| | Same.....(*See* Stow, Orson W., assignor.) | | | | | |
| 212, 049 | Peck, Walter, Rockford, Ill. Grinding-mill | Feb. 4, 1879 | 261 | 71, 72 | 15 | 158 |
| 211, 585 | Peck, Wilber, Macomb, Ill. Hanging for farm-gates | Jan. 21, 1879 | 508 | 168 | 15 | 79 |
| 218, 830 | Peckham, John, New Haven, Conn. Cleaning and lacquering brass | Aug. 26, 1879 | 859 | ..... | 16 | 366 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Peckham, John A. (*See* Morris, Eli, assignor.) | | | | | |
| | Peckinpaugh, Sebastian S. (*See* Bachman & Peckinpaugh.) | | | | | |
| 218, 565 | Pederson, Ole, Joliet, Ill. Furniture-caster | Aug. 12, 1879 | 530 | 149 | 16 | 303 |
| 223, 165 | Same.....same | Dec. 30, 1879 | 1228 | 347 | 16 | 1219 |
| 217, 816 | Pedlar, Charles B., Nailsworth, Gloucester County, assignor to D. P. Wright and C. Butler, Birmingham, England. Lamp-extinguisher | July 22, 1879 | 1012 | 290 | 16 | 164 |
| 221, 095 | Pedrick, Richard R., Richmond, Ind. Plow | Oct. 28, 1879 | 1044 | 277 | 16 | 798 |
| 218, 566 | Peek, James A., Beloit, Kans. Scraper | Aug. 12, 1879 | 531 | 149 | 16 | 303 |
| | Peel, William C., *et al.* (*See* Nelson, James S., assignor.) | | | | | |
| 215, 156 | Peer, Perry A., Comstock, Mich. Waste-valve for pumps | May 6, 1879 | 203 | 58 | 15 | 727 |
| | Peet, John T. (*See* Burton, Peet & Caven.) | | | | | |
| 220, 655 | Peightal, John, Philipsburgh, Pa. Breech-loading fire-arm | Oct. 14, 1879 | 513 | 135 | 16 | 711 |
| 213, 685 | Peirce, Cyrus E., McPherson, Kans. Compound for artificial stone | Mar. 25, 1879 | 1045 | ..... | 15 | 456 |
| 215, 537 | Peirce, George, Bart Township, Lancaster County, Pa. Stay for spring-vehicles | May 20, 1879 | 659 | 192 | 15 | 800 |
| 216, 806 | Peirce, Horatio L., Providence, R. I. Traveler for spinning-rings | June 24, 1879 | 923 | 263 | 15 | 1030 |
| 8, 823 | Peirce, William H., Worcester, Mass., assignor, by mesne assignments, to R. A. Cook. Mincing-machine (Reissue) | July 29, 1879 | 1345 | 385 | 16 | 213 |
| | Pellerin, Hector. (*See* Pellerin, Joseph I., H., and J. H.) | | | | | |
| | Pellerin, J. Hormidas. (*See* Pellerin, Joseph I., H., and J. H.) | | | | | |
| 221, 420 | Pellerin, Joseph I., H., and J. H., Montreal, Quebec, Canada. Trimming attachment for sewing-machines | Nov. 11, 1879 | 329 | 91 | 16 | 867 |
| 221 '096 | Pelletier, Antonio, Washington, D. C. Concrete pavement | Oct. 28, 1879 | 1047 | ..... | 16 | 799 |
| | Pelphrey, Elder J. (*See* Pelphrey, John A. and S. E., assignors.) | | | | | |
| 214, 186 | Pelphrey, John A. and S. E., assignors of one-third interest to E. J. Pelphrey, Flat Gap, Ky. Alarm-whistle for steam-engines | Apr. 8, 1879 | 530 | 151 | 15 | 547 |
| | Pelphrey, Samuel E. (*See* Pelphrey, John A. and S. E.) | | | | | |
| 212, 735 | Pelstring, Henry J., Philadelphia, Pa. Draft apparatus and weather-cap for chimneys, &c | Feb. 25, 1879 | 1067 | 296 | 15 | 279 |
| 215, 391 | Pelton, Leander, Perry, Iowa. Corn-harvester | May 13, 1879 | 475 | 142 | 15 | 767 |
| 223, 005 | Pelzer, Friedrich, Dortmund, Germany. Centrifugal and screw ventilator | Dec. 30, 1879 | 1047 | 300 | 16 | 1195 |
| 220, 728 | Pendleton, Douglas, San Francisco, Cal. Electric lamp | Oct. 21, 1879 | 606 | 162 | 16 | 732 |
| | Pendleton, Frank P., *et al.* (*See* Cunningham, Herman E., assignor.) | | | | | |
| | Same.....(*See* Forrester, Isaac N., assignor.) | | | | | |
| | Same.....(*See* Hartmann, Ernest L., assignor.) | | | | | |
| | Same.....(*See* Howard, James S., assignor.) | | | | | |
| | Same.....(*See* Kershaw, Thomas, assignor.) | | | | | |
| | Same.....(*See* Stamour, John B., assignor.) | | | | | |
| 217, 399 | Pendleton, John H., Brooklyn, assignor to self, A. H. and C. Tiers, New York, N. Y. Coffee polishing and separating machine | July 8, 1879 | 526 | 151 | 16 | 79 |
| 222, 940 | Pendley, William, Ludville, Ga. Cultivator | Dec. 23, 1879 | 964 | 277 | 16 | 1173 |
| 218, 397 | Pendred, Vaughan, London, England, assignor to G. H. Christy, Pittsburg, Pa. Vertical steam-boiler | Aug. 12, 1879 | 333 | 92 | 16 | 276 |
| | Penfield, Elmore, *et al.* (*See* Alexander, Thomas S., assignor.) | | | | | |
| 218, 567 | Penn, Martin A., Washington, D. C. Water-way for street-washers and houses | Aug. 12, 1879 | 532 | 150 | 16 | 303 |
| 217, 021 | Pennell, Oscar J., assignor to self and A. Phillips, Williamsport, Pa. Crozing-machine | July 1, 1879 | 101 | 30 | 16 | 16 |
| 214, 839 | Pennington, Aaron S., Paterson, N. J. Differential gearing for toys | Apr. 29, 1879 | 1322 | 369 | 15 | 673 |
| 211, 344 | Pennington, Charles, Chicago, Ill. Mop-wringer | Jan. 14, 1879 | 323 | 95 | 15 | 42 |
| 215, 287 | Pennington, John C., Paterson, N. J. Obtaining pure yeast and producing specific fermentation | May 13, 1879 | 374 | ..... | 15 | 753 |
| 216, 885 | Pennock, Morris C., Alliance, Ohio. Churn | June 24, 1879 | 1005 | 286 | 15 | 1040 |
| 216, 344 | Penny, Benjamin F., Dedham, assignor of one-half interest to Hinckley & Egery Iron Company, Bangor, Me. Shingle-sawing machine | June 10, 1879 | 391 | 111 | 15 | 941 |
| 215, 288 | Pentlarge, Frederick, Brooklyn, N. Y. Vent-bung | May 13, 1879 | 376 | 108 | 15 | 753 |
| | Pentreath, John. (*See* Brown & Pentreath.) | | | | | |
| 221, 184 | Pentz, Levi, Canton, Ohio. Clip king-bolt | Nov. 4, 1879 | 50 | 14 | 16 | 819 |
| | Peoples, James A. (*See* Preble & Peoples.) | | | | | |
| 221, 605 | Pepper, John H., Tunbridge Wells, Kent County, and J. J. Walker, No. 27 Francis street, Middlesex County, England. Apparatus for producing optical illusions | Nov. 11, 1879 | 541 | 149 | 16 | 896 |
| 214, 948 | Pepper, Leander C., assignor of two-thirds interest to W. L. Albert and O. P. Whittier, Red Oak, Iowa. Harness-saddle | Apr. 29, 1879 | 1431 | 398 | 15 | 688 |
| 214, 522 | Pepper, William H., Lake Village, N. H. Knitting-machine | Apr. 22, 1879 | 963 | 270, 271 | 15 | 619 |
| 214, 697 | Peppler, Peter, Salem, N. J. Pipe-wrench attachment | Apr. 22, 1879 | 1143 | 322 | 15 | 643 |
| 211, 255 | Pepson, Thomas, La Salle, Ill. Corn-planter | Jan. 7, 1879 | 190 | 56 | 15 | 25 |
| 211, 423 | Percival, John W., Pittsburg, Pa. Railway-signal | Jan. 14, 1879 | 411 | 117 | 15 | 52 |
| 222, 941 | Perez de la Tega, Félipe, Havana, Cuba. Furnace | Dec. 23, 1879 | 967 | 277 | 16 | 1174 |
| 222, 942 | Same.....Evaporating-pan | Dec. 23, 1879 | 968 | 277 | 16 | 1174 |
| 217, 900 | Perkes, Charles, Philadelphia, Pa. Washing-machine | July 29, 1879 | 1119 | 320 | 16 | 184 |
| 211, 864 | Perkins, Charles H., Providence, R. I. Horseshoer's rasp | Feb. 4, 1879 | 49 | 15 | 15 | 132 |
| 212, 975 | Perkins, Daniel C., and J. Davol, Providence, R. I.; said D. C. Perkins assignor to said J. Davol. Syringe | Mar. 4, 1879 | 241 | 66 | 15 | 327 |
| 212, 322 | Perkins, Duane T., Springfield, Mass. Fire-extinguisher | Feb. 18, 1879 | 583 | 162 | 15 | 207 |
| 217, 954 | Same.....Water-gate | July 29, 1879 | 1177 | 337 | 16 | 192 |
| 215, 538 | Perkins, Edwin D., Hallsport, N. Y. Machine for reducing the height of cheese-boxes | May 20, 1879 | 659 | 192 | 15 | 800 |
| | Perkins, George H. (*See* Perkins, James H. and S. A. J., assignors.....(Reissue). | | | | | |
| 8, 738 | Perkins, George H., and G. Brown, Philadelphia, Pa., assignors to Hannibal Meat Company (limited). Case for supporting cans (Reissue) | June 3, 1879 | 268 | 79, 80 | 15 | 918 |
| 8, 744 | Perkins, George H., Philadelphia, Pa., and J. H. Perkins, deceased; said J. H. Perkins assignor, by mesne assignments, to said G. H. Perkins. Metallic can ....(Reissue) | June 10, 1879 | 551 | 158 | 15 | 962 |
| 214, 441 | Perkins, George H., Philadelphia, Pa. Soldering-machine | Apr. 15, 1879 | 846 | 238 | 15 | 597 |
| 214, 582 | Same.....Metallic can | Apr. 22, 1879 | 1024 | 289 | 15 | 627 |
| 214, 698 | Perkins, George H., and G. Brown, Philadelphia, Pa., assignors to Hannibal Meat Company (limited), Philadelphia, Pa., and Hannibal, Mo. Metallic can | Apr. 22, 1879 | 1143 | 322 | 15 | 643 |
| 218, 398 | Perkins, George H., and G. Brown, Philadelphia, Pa. Can guard or jacket | Aug. 12, 1879 | 334 | 92 | 16 | 276 |
| 212, 260 | Perkins, Gustavus S., Hartford, Conn. Door-check | Feb. 11, 1879 | 501 | 139 | 15 | 193 |
| | Perkins, James B., administrator. (*See* Waddell & Sample.) | | | | | |
| | Perkins, James H., deceased. (*See* Perkins, George H. and J. H.).....(Reissue.) | | | | | |
| 8, 659 | Perkins, James H., and S. A. J. Perkins (administratrix of J. H. Perkins, deceased), assignors, by mesne assignments, to G. H. Perkins, Philadelphia, Pa. Metallic can. (Reissue) | Apr. 8, 1879 | 582 | 164 | 15 | 554 |
| 222, 729 | Perkins, James M., assignor to C. Parker & Co., Meriden, Conn. Manufacture of spoons | Dec. 16, 1879 | 717 | 206 | 16 | 1127 |
| | Perkins, John D. (*See* Bernard & Perkins.) | | | | | |
| 212, 736 | Perkins, John M., Racine, Wis. Folding seat | Feb. 25, 1879 | 1067 | 296 | 15 | 280 |
| 221, 097 | Same.....Wagon-body | Oct. 28, 1879 | 1048 | 277 | 16 | 799 |
| 212, 974 | Perkins, Joseph L., and G. O. Baker, Selma, Ala. Oil-press mat | Mar. 4, 1879 | 240 | 66 | 15 | 327 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 213,132 | Perkins, Michael R., assignor of one-half interest to N. F. Mathes, Portsmouth, N. H. Railway-rail | Mar. 11, 1879 | 437 | 121 | 15 | 361 |
| | Perkins, N. S., *et al.* (*See* Bouscay, Elvi, assignor.) | | | | | |
| | Perkins Palmer Co. (*See* Philow & Perkins.) | | | | | |
| 218,057 | Perkins, Paul B., Geneseo, Ill. Water-works | July 29, 1879 | 1289 | 369 | 16 | 206 |
| | Perkins, Sarah A. J., administratrix, (*See* Perkins, James H., and S. A. J.) (Reissue.) | | | | | |
| | Perkins, William H. (*See* Byrd & Perkins.) | | | | | |
| 219,365 | Pernot, François, Gray, France. Rotary engine | Sept. 9, 1879 | 365 | 103 | 16 | 466 |
| 222,420 | Peroni, Luigi, assignor to J. J. Hicks, Hatton Garden, Middlesex County, England. Thermometer | Dec. 9, 1879 | 343 | 97 | 16 | 1066 |
| | Perrenot, George F. (*See* Belcher & Perrenot.) | | | | | |
| 212,976 | Perrigo, Morgan A., Groton, N. Y. Fluting bed and roller | Mar. 4, 1879 | 242 | 66 | 15 | 327 |
| 213,345 | Same.....Tail-piece for violins | Mar. 18, 1879 | 681 | 191 | 15 | 401 |
| 220,864 | Perrin, Franklin, Cambridge, Mass. Nose-clamp for eyeglasses | Oct. 21, 1879 | 756 | 202 | 16 | 752 |
| 214,312 | Perry, Allen T., Cleveland, Ohio. Paving and roofing compound | Apr. 15, 1879 | 708 | ..... | 15 | 579 |
| 212,497 | Perry, Edward L., Paterson, N. J. Rubber mat | Feb. 18, 1879 | 791 | 219 | 15 | 234 |
| 219,596 | Same.....Hose or tubing | Sept. 16, 1879 | 616 | 172 | 16 | 507 |
| 212,737 | Perry, Elton, assignor of one-half interest to F. Sterzing, Austin, Tex. Device for ringing bells | Feb. 25, 1879 | 1068 | 297 | 15 | 280 |
| 221,185 | Perry, Francis A., Keene, N. H. Cone for smoke-stacks of locomotives, &c | Nov. 4, 1879 | 51 | 14 | 16 | 819 |
| | Perry, George W. (*See* Van Patten & Perry.) | | | | | |
| 211,667 | Perry, Henry C., Wilkesbarre, Pa. Washing-machine | Jan. 28, 1879 | 708 | 198 | 15 | 98 |
| 216,529 | Perry, Samuel M., Plainfield, N. J. Dust-pan | June 17, 1879 | 600 | 170 | 15 | 978 |
| 211,639 | Perry, Silas, Troy, N. Y. Hoof-moistener holder | Jan. 28, 1879 | 677 | 190 | 15 | 93 |
| | Perry, Stephen. (*See* Howe & Perry.) | | | | | |
| | Perry, Stuart, *et al.* (*See* Benson, Edward, assignor.) | | | | | |
| 213,063 | Persels, Henry, Binghamton, N. Y. Trace-buckle | Mar. 11, 1879 | 350 | 98 | 15 | 350 |
| | Pertz, John W. (*See* Moore & Pertz.) | | | | | |
| 215,770 | Pesant, Manuel, New York, N. Y. Portable railway-track | May 27, 1879 | 919 | 270 | 15 | 843 |
| 213,529 | Peters, George M., Columbus, Ohio. Vehicle-dash | Mar. 25, 1879 | 869 | 247 | 15 | 434 |
| 215,539 | Same.....Machine for splitting the ends of rods | May 20, 1879 | 660 | 192 | 15 | 800 |
| 211,179 | Peters, John, and A. Gardiner, Brooklyn, N. Y. Crushing-roll | Jan. 7, 1879 | 107 | 34 | 15 | 15 |
| | Peters, Reuben H., *et al.* (*See* Lespinasse, John B. R., assignor.) | | | | | |
| 218,769 | Petersen, Charles J., Port Chester, N. Y. Adjustable brace for reclining-chairs | Aug. 19, 1879 | 766 | 217 | 16 | 343 |
| 222,730 | Peterson, Adolphus, Brooklyn, assignor of one-half interest to S. C. Croft, New York, N. Y. Carpet-exhibitor | Dec. 16, 1879 | 718 | 206 | 16 | 1128 |
| 211,640 | Peterson, Albert H., assignor of one-half interest to W. J. Cunningham, Philadelphia, Pa. Filtering apparatus | Jan. 28, 1879 | 679 | 190 | 15 | 93 |
| 222,731 | Peterson, Albert H., Philadelphia, Pa. Water-filter | Dec. 16, 1879 | 718 | 206 | 16 | 1128 |
| 216,448 | Peterson, George W., Oxford, Ala. Hillside-plow | June 10, 1879 | 507 | 144 | 15 | 957 |
| 216,449 | Same .... Cultivator | June 10, 1879 | 508 | 144 | 15 | 957 |
| 217,490 | Peterson, John M., Michigamme, Mich. Device for cutting railway-rails | July 8, 1879 | 527 | 152 | 16 | 79 |
| | Peterson, Robert E., *et al.* (*See* Frost, Edward J., assignor.) | | | | | |
| 221,935 | Petit, Gaston, New York, assignor to N. Cheney, Brooklyn, N. Y. Sad-iron | Nov. 25, 1879 | 946 | 266 | 16 | 968 |
| 217,295 | Peto, Samuel A., London, England. Manufacture of plumbago crucibles and other vessels in plumbago suitable for chemical and metallurgical purposes | July 8, 1879 | 414 | ..... | 16 | 65 |
| 222,152 | Petraeus, Carl V., Philadelphia, Pa. Manufacturing alumina and carbonate of soda | Dec. 2, 1879 | 41 | ..... | 16 | 1015 |
| 222,153 | Same.....same | Dec. 2, 1879 | 42 | ..... | 16 | 1015 |
| 222,154 | Same.....same | Dec. 2, 1879 | 43 | ..... | 16 | 1015 |
| | Petrasch, Theodore F. C. (*See* Quintavalle, Robert, assignor.) | | | | | |
| 215,664 | Petre, Nicolas, Geneva, Ohio. Lock | May 20, 1879 | 801 | 234 | 15 | 819 |
| 215,965 | Petree, William H., Forsyth County, N. C. Horse-detacher | May 27, 1879 | 1136 | 330 | 15 | 870 |
| | Petrie, James R. (*See* Sills, Thomas, assignor.) | | | | | |
| 211,776 | Petrie, James R., and T. Hall, assignors of one-third interest to F. D. Stow, Buffalo, N. Y. Car-door | Jan. 28, 1879 | 832 | 233 | 15 | 114 |
| 218,770 | Petrie, John, jr., Rochdale, Lancaster County, England. Machine for washing wool, &c. | Aug. 19, 1879 | 766 | 217 | 16 | 343 |
| 216,447 | Petry, Henry, Red Oak, Ohio. Gate | June 10, 1879 | 507 | 144 | 15 | 956 |
| 221,700 | Pettee, Simon E., assignor to self and N. W. Taylor, Cleveland, Ohio. Paper bag | Nov. 18, 1879 | 649 | 182 | 16 | 919 |
| 219,511 | Petterson, John L., Brooklyn, N. Y. Fire-escape | Sept. 9, 1879 | 519 | 145 | 16 | 487 |
| 220,865 | Petteys, Charles V., United States Army, Fort Robinson, Nebr. Horse-litter | Oct. 21, 1879 | 757 | 202 | 16 | 752 |
| 213,244 | Pettibone, Chauncey V., Fond du Lac, Wis. Wooden liquid measure and funnel | Mar. 11, 1879 | 557 | 155 | 15 | 377 |
| 212,498 | Pettibone, Philo F., Chicago, Ill. Tax-calculator | Feb. 18, 1879 | 791 | 219 | 15 | 234 |
| | Pettibone, Stoughton. (*See* Hartnett, John, assignor.) | | | | | |
| 222,943 | Pettis, Ames, deceased (S. A. Randles, administrator), Waukesha, Wis. Loom | Dec. 23, 1879 | 969 | 278, 279 | 16 | 1174 |
| 221,740 | Pettit, George, jr., Brooklyn, N. Y. Cuspadore | Nov. 18, 1879 | 696 | 195 | 16 | 926 |
| | Pettit, James H., *et al.* (*See* Boles & Hall, assignors.) | | | | | |
| | Pettit, Silas W. (*See* Alberger, Morris H., assignor.) | | | | | |
| 219,410 | Pettitt, Edwin, Cheltenham, England. Manufacture of iron | Sept. 9, 1879 | 417 | 116 | 16 | 473 |
| | Petty, James F. (*See* Thompson, Petty & Cohee.) | | | | | |
| 221,186 | Petty, Solomon, Volcano, Cal. Mechanical calculator | Nov. 4, 1879 | 52 | 14 | 16 | 819 |
| 221,470 | Same.....Saw-clamp | Nov. 11, 1879 | 389 | 107 | 16 | 874 |
| 213,931 | Pew, Edward A. C., Welland, Ontario, Canada. Carbureting apparatus for air and gas. | Apr. 1, 1879 | 212 | 62 | 15 | 500 |
| 214,442 | Pew, Edward A. C., Welland, Ontario, Canada, assignor of one-half interest to G. W. Weart, Philadelphia, Pa. Air-forcing apparatus for carbureters | Apr. 15, 1879 | 847 | 238, 239 | 15 | 507 |
| 217,141 | Peyton, Edward, and T. Bourne, Bordesley, Warwick County, England. Machinery for the manufacture of metal tubes | July 1, 1879 | 239 | 69, 70 | 16 | 33 |
| 222,529 | Peyton, Joseph I., Washington, D. C. Ore-separator | Dec. 9, 1879 | 470 | 134 | 16 | 1082 |
| 219,512 | Peyton, William E., Stockton, Cal. Car-truck | Sept. 9, 1879 | 520 | 145 | 16 | 487 |
| | Pfaender, William, jr. (*See* Fjellman, Robert, assignor.) | | | | | |
| 216,450 | Pfanne, Charles, assignor of one-half interest to H. Stiebeling, Washington, D. C. Apparatus for measuring and saving liquids | June 10, 1879 | 509 | 144 | 15 | 957 |
| 217,142 | Pfefferle, Charles, Sidney, Ohio. Fire-escape | July 1, 1879 | 240 | 70 | 16 | 33 |
| 8,946 | Pfeifer, John, Philadelphia, Pa. Handle (Reissue) | Oct. 28, 1879 | 1087 | 287 | 16 | 804 |
| 216,530 | Pfitzenmeier, John, Shaler Township, Allegheny County, Pa. Measuring-funnel | June 17, 1879 | 601 | 170 | 15 | 978 |
| 220,305 | Same.....Mechanical movement | Oct. 7, 1879 | 108 | 29 | 16 | 649 |
| 212,738 | Pfleiderer, Paul, Norwood, England. Device for transmitting and reversing motion | Feb. 25, 1879 | 1070 | 297 | 15 | 280 |
| 214,002 | Phelps, Ebenezer W., assignor to W. Haight and M. F. Phelps, Chicago, Ill. Saw-sharpening machine | Apr. 8, 1879 | 310 | 89 | 15 | 521 |
| 214,187 | Phelps, Edward P., Scranton, Iowa. Car-pusher | Apr. 8, 1879 | 531 | 151 | 15 | 541 |
| | Phelps, George H., *et al.* (*See* Gray, Robert W., assignor.) | | | | | |
| 214,840 | Phelps, George M., Brooklyn, N. Y. Electric-speaking telephone | Apr. 29, 1879 | 1322 | 369 | 15 | 673 |
| 218,684 | Same.....Magneto-electric speaking-telephone | Aug. 19, 1879 | 676 | 192 | 16 | 332 |
| 220,209 | Same.....Speaking-telephone | Sept. 30, 1879 | 1336 | 368 | 16 | 624 |
| 220,729 | Same.....Telephone-case | Oct. 21, 1879 | 607 | 162 | 16 | 732 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 222, 201 | Phelps, George M., Brooklyn, N. Y. Switch for electric speaking-telephones | Dec. 2, 1879 | 96 | 24 | 16 | 1022 |
| 222, 202 | Same.....Carbon-telephone | Dec. 2, 1879 | 97 | 24 | 16 | 1022 |
| 215, 966 | Phelps, Ira M., Philadelphia, Pa., assignor of one-half interest to J. Shillito, jr., Cincinnati, Ohio. Ore-pulverizer | May 27, 1879 | 1136 | 330 | 15 | 870 |
| 215, 967 | Same .....same | May 27, 1879 | 1137 | 330 | 15 | 870 |
| 215, 968 | Same .....Quartz-crusher | May 27, 1879 | 1138 | 330 | 15 | 871 |
| 215, 969 | Same.....Sublimating apparatus | May 27, 1879 | 1139 | 331 | 15 | 871 |
| 215, 970 | Same .....Amalgamator | May 27, 1879 | 1140 | 331 | 15 | 871 |
| 215, 971 | Same.....Desulphurizer | May 27, 1879 | 1141 | 331 | 15 | 871 |
| | Phelps, Mary F., *et al.* (*See* Phelps, Ebenezer W., assignor.) | | | | | |
| | Phelps, William H. (*See* Seely, Obadiah, assignor.) | | | | | |
| | Phenix, Harmon, *et al.* (*See* Curtiss, Marshall S., assignor.) | | | | | |
| 222, 530 | Philips, Charles S., Brooklyn, N. Y. Treating tobacco | Dec. 9, 1879 | 475 | ..... | 16 | 1082 |
| | Phillips, Alfred. (*See* Pennell, Oscar J., assignor.) | | | | | |
| | Phillips, Charles T. (*See* Best, Charles E., assignor.) | | | | | |
| 222, 944 | Phillips, Edwin W., Waverly, N. Y. Finishing leather | Dec. 23, 1879 | 971 | ..... | 16 | 1174 |
| | Phillips, Eugene F. (*See* Taylor, James, assignor.) | | | | | |
| 217, 548 | Phillips, Francis J., Providence, R. I. Liquid-measuring can | July 15, 1879 | 699 | 199 | 16 | 113 |
| 212, 739 | Phillips, George C., Silver City, assignor to self and W. D. Bray, Gold Hill, Nev. Packing for stuffing-boxes | Feb. 25, 1879 | 1071 | 297 | 15 | 280 |
| 216, 451 | Same .....Steam-packing | June 10, 1879 | 510 | 145 | 15 | 957 |
| 222, 074 | Phillips, George C., Silver City, Nev. Steam-packing | Nov. 25, 1879 | 1097 | 308 | 16 | 989 |
| 219, 013 | Phillips, George H., Oelwein, Iowa. Desk | Aug. 26, 1879 | 1066 | 300 | 16 | 394 |
| 216, 697 | Phillips, James L., Lowville, N. Y. Road-wagon | June 17, 1879 | 780 | 223 | 15 | 1002 |
| 215, 665 | Phillips, John E., Central Square, N. Y. Advertising-tablet | May 20, 1879 | 801 | 234 | 15 | 819 |
| 215, 477 | Phillips, Josiah S., San Francisco, Cal. Assayer's self-calculating sample and button weigher | May 20, 1879 | 593 | 174 | 15 | 791 |
| | Phillips, Nimick & Co. (*See* Nugent, Richard C., assignor.) | | | | | |
| 218, 058 | Phillips, Simeon G., Perth Amboy, N. J. Clay-press | July 29, 1879 | 1289 | 369 | 16 | 207 |
| 219, 873 | Phillips, Thomas S., Buffalo, N. Y. Hand-piece for dental engines | Sept. 23, 1879 | 938 | 259 | 16 | 560 |
| 213, 446 | Phillips, William, Mumford, N. Y. Stuffing for upholstery | Mar. 18, 1879 | 777 | 219 | 15 | 414 |
| 212, 050 | Phillips, William C., South Norwalk, assignor to self and A. W. Merwin, Wilton, Conn. Combination-ladder | Feb. 4, 1879 | 263 | 72 | 15 | 159 |
| 213, 686 | Phillips, William H., Bridgeton, N. J. Combined nursery-gate and clothes-drier | Mar. 25, 1879 | 1045 | 297 | 15 | 456 |
| 217, 401 | Phillips, William L., Ottawa, Ill. Check-rower attachment for corn-planters | July 8, 1879 | 528 | 152 | 16 | 79 |
| 216, 531 | Phillips, William P., Boston, Mass. Lubricator | June 17, 1879 | 602 | 171 | 15 | 978 |
| 215, 238 | Philow, Joseph F., Warsaw, and P. C. Perkins, Mishawaka, Ind. Bored and driven well | May 13, 1879 | 308 | 91 | 15 | 744 |
| 216, 216 | Philpott, Augustine J., and G. W. Horton, Owensborough, Ky. Hoop-shaving machine | June 3, 1879 | 217 | 64 | 15 | 912 |
| 214, 699 | Phinney, James B., and J. B. Robertson, Kingston, N. Y. Rotary pump and blower | Apr. 22, 1879 | 1144 | 322 | 15 | 643 |
| 217, 901 | Phinney, James P., Boston, Mass. Pegging-jack | July 29, 1879 | 1120 | 321 | 16 | 185 |
| 216, 575 | Phipps, Joseph H., Fenton, Mich. Shingle-cutting machine | June 17, 1879 | 651 | 184 | 15 | 984 |
| 222, 365 | Phipps, William, Milwaukee, Wis. Stove-grate | Dec. 9, 1879 | 284 | 79 | 16 | 1058 |
| | Phœnix Metallic Cartridge Company. (*See* Mason, Henry W., assignor.) | | | | | |
| 219, 874 | Piccard, Paul, Lausanne, Switzerland. Process and apparatus for evaporating saline solutions | Sept. 23, 1879 | 940 | 259, 260 | 16 | 560 |
| 212, 622 | Pickens, Roman, Saint Albans, W. Va. Rotary engine | Feb. 25, 1879 | 957 | 264 | 15 | 264 |
| 212, 499 | Pickhardt, Wilhelm, New York, N. Y. Air-heater | Feb. 18, 1879 | 795 | 220 | 15 | 234 |
| 213, 245 | Same.....Ventilating and sewer connection for houses | Mar. 11, 1879 | 558 | 155 | 15 | 377 |
| 214, 443 | Same.....Air heating and cooking apparatus | Apr. 15, 1879 | 849 | 239 | 15 | 598 |
| 216, 452 | Same.....Air heating and cooling apparatus for ventilating buildings | June 10, 1879 | 511 | 145 | 15 | 957 |
| | Pickrel, Booker, *et al.* (*See* Holyoke, Samuel G., assignor.) | | | | | |
| | Pierce & Co., F. O. (*See* Palmer, Frank H., assignor.) | | | | | |
| 211, 305 | Pierce, Denison C., Chicago, Ill., assignor of one-fourth interest to F. W. Merrell, Morristown, N. J. Thill-coupling | Jan. 14, 1879 | 278 | 82 | 15 | 36 |
| 211, 777 | Pierce, Ebenezer, New Bedford, Mass. Combined bomb-gun and harpoon | Jan. 28, 1879 | 833 | 233, 234 | 15 | 114 |
| 211, 778 | Same.....Bomb-lance | Jan. 28, 1879 | 835 | 234 | 15 | 114 |
| 218, 133 | Pierce, Ezekiel P., Cambridge, Mass. Hinge for awning-blinds | Aug. 5, 1879 | 30 | 9 | 16 | 225 |
| | Pierce, Fanny L. (*See* Hutty, George, assignor.) | | | | | |
| 217, 143 | Pierce, Henry M., Grand Rapids, Mich. Steam-boiler furnace | July 1, 1879 | 241 | 71 | 16 | 33 |
| 216, 345 | Pierce, Horatio L., Providence, R. I. Spinning-ring | June 10, 1879 | 392 | 112 | 15 | 941 |
| 215, 666 | Pierce, James D., assignor to W. M. Hewett, Milwaukee, Wis. Soaking-boot for horses | May 20, 1879 | 802 | 235 | 15 | 819 |
| 215, 771 | Pierce, James D., Milwaukee, Wis. Can for oils and other liquids | May 27, 1879 | 920 | 270 | 15 | 843 |
| 214, 583 | Pierce, John A., Statesville, N. C. Wall pendant and bracket | Apr. 22, 1879 | 1025 | 289 | 15 | 627 |
| 221, 860 | Pierce, John B., Buffalo, N. Y. Steam-heater | Nov. 18, 1879 | 844 | 236 | 16 | 945 |
| 211, 306 | Pierce, William, Boston, Mass. Thermostat for carbureters | Jan. 14, 1879 | 278 | 82 | 15 | 36 |
| 217, 237 | Pierson, Abram B., Montgomery, Ala. Seed-planter | July 8, 1879 | 357 | 105 | 16 | 57 |
| 217, 479 | Pierson, James S., Brooklyn, N. Y. Underground-telegraph line | July 15, 1879 | 629 | 179 | 16 | 104 |
| 220, 492 | Same.....Elevated safety-ropeway | Oct. 14, 1879 | 322 | 85 | 16 | 687 |
| 223, 006 | Pierson, Thomas B., and O. J. Burnett, Morristown, N. J. House-ventilation | Dec. 30, 1879 | 1048 | 300 | 16 | 1195 |
| 213, 246 | Piersons, Charles S., assignor to self and J. A. Ober, Sandy Hill, N. Y. Harness | Mar. 11, 1879 | 559 | 156 | 15 | 377 |
| 219, 757 | Pike, Charles W., Readsborough, Vt. Mower and reaper | Sept. 16, 1879 | 798 | 220 | 16 | 532 |
| 218, 311 | Pike, Emery M., McDonough, N. Y. Button-worker | Aug. 5, 1879 | 227 | 61 | 16 | 251 |
| 222, 945 | Pike, Paphro D., Stowe, Vt. Machine for cutting locks in hoops | Dec. 23, 1879 | 972 | 279 | 16 | 1174 |
| 217, 480 | Pike, Robinson D., Bayfield, Wis. Circular sawing machine | July 15, 1879 | 629 | 179 | 16 | 104 |
| | Pillard, Oliver E. (*See* Andrews, Edward N., assignor.) | | | | | |
| 220, 656 | Pilliner, William H., Elko, Nev. Gold-washer | Oct. 14, 1879 | 514 | 136 | 16 | 712 |
| 213, 834 | Pilout, Camille, Richmond, Va. Bell annunciator | Apr. 1, 1879 | 112 | 34 | 15 | 487 |
| | Pim, Richard P. (*See* Henderer, Edmond, assignor.) | | | | | |
| 217, 481 | Pinckard, Thomas C., Opelika, Ala. Manufacture of plow-standards | July 15, 1879 | 631 | 180 | 16 | 104 |
| 221, 421 | Pinckney, Thomas D., Carmel, N. Y. Kerosene-oil tester | Nov. 11, 1879 | 331 | 91 | 16 | 867 |
| 215, 157 | Pine, James K. P., Troy, N. Y. Check-rein guide | May 6, 1879 | 204 | 58 | 15 | 727 |
| 215, 069 | Pingree, Charles A., assignor to A. Morrill and A. F. Allen, Cambridgeport, Mass. Switch mechanism for street-railways | May 6, 1879 | 94 | 28 | 15 | 714 |
| 215, 021 | Pinney, David, assignor to G. L. Kelty, Brooklyn, N. Y. Car-axle box | May 6, 1879 | 42 | 13 | 15 | 708 |
| 220, 170 | Pintsch, Richard J., Schülke, and R. Gattheil, Berlin, Germany. Gas-regulator | Sept. 30, 1879 | 1288 | 354 | 16 | 616 |
| 214, 003 | Piper, Francis M., Walpole, Mass. Pin and needle case | Apr. 8, 1879 | 311 | 90 | 15 | 521 |
| | Piper, Henry B. (*See* Neracher, William, assignor.) | | | | | |
| 219, 758 | Piper, Royal R., East Saginaw, Mich. Pipe-wrench | Sept. 16, 1879 | 799 | 220 | 16 | 532 |
| 221, 098 | Piper, Truman, assignor to Howe Manufacturing Company, Birmingham, Conn. Pin-package | Oct. 28, 1879 | 1049 | 278 | 16 | 799 |
| 218, 568 | Pirkle, William J., Cumming, Ga. Plow | Aug. 12, 1879 | 534 | 150 | 16 | 304 |
| 218, 569 | Same.....Pump | Aug. 12, 1879 | 535 | 150 | 16 | 304 |
| 215, 158 | Pirrung, George, Ravenswood, Ill. Window-washer | May 6, 1879 | 204 | 59 | 15 | 727 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 212,740 | Pirtle, Robert H., Lowe's, Ky. Cotton-harvester | Feb. 25, 1879 | 1071 | 297, 298 | 15 | 280 |
| 216,453 | Pitcher, George H., and L. Young, Lewiston, Me. Thill-support for vehicles | June 10, 1879 | 512 | 145 | 15 | 957 |
| 215,540 | Pitchford, John B., Gold Hill, Nev. Air-compressor | May 20, 1879 | 661 | 192 | 15 | 801 |
| 216,104 | Pitt, Thomas, New Orleans, La., assignor to F. E. De Wolf and R. M. Powell, Quebec, Canada. Valve | June 3, 1879 | 101 | 30 | 15 | 897 |
| 211,925 | Pittman, George T., Louisville, Ky. Bale-tie | Feb. 4, 1879 | 118 | 34 | 15 | 141 |
| 220,413 | Pittman, Reddin G., Rocky Mount, N. C. Sweeper | Oct. 7, 1879 | 225 | 60 | 16 | 666 |
| | Pittman, William. (*See* Greer, Joseph A., assignor.) | | | | | |
| 216,971 | Pitts, George, Providence, R. I. Separable button | July 1, 1879 | 51 | 16 | 16 | 9 |
| 211,779 | Pitts, George B., Morley, Mich. Bee-hive | Jan. 28, 1879 | 836 | 234 | 15 | 114 |
| 215,972 | Pitts, William L., Cerro Gordo, Ill. Device for holding swine | May 27, 1879 | 1142 | 331 | 15 | 871 |
| 213,247 | Place, Wallace, assignor of one-half interest to S. A. Ferrin, Cambridgeport, Mass. Leather-buffing roll | Mar. 11, 1879 | 562 | 156 | 15 | 377 |
| 220,414 | Plaenker, Frederick, Baltimore, Md. Chimney-cowl | Oct. 7, 1879 | 226 | 61 | 16 | 666 |
| 212,051 | Plant, Paschal, Washington, D. C. Ore-separator | Feb. 4, 1879 | 264 | 72, 73 | 15 | 159 |
| 215,289 | Same.....same | May 13, 1879 | 377 | 108, 109, 110 | 15 | 753 |
| 215,290 | Same.....same | May 13, 1879 | 380 | 110, 111 | 15 | 753 |
| 215,291 | Same.....Process and apparatus for separating precious metals from their ores | May 13, 1879 | 381 | 111, 112, 113 | 15 | 753 |
| 215,292 | Same.....Apparatus for dry-separating precious metals from their ores | May 13, 1879 | 385 | 114, 115 | 15 | 754 |
| 220,171 | Same.....Amalgamator | Sept. 30, 1879 | 1290 | 354, 355 | 16 | 616 |
| 220,986 | Same.....Curry-comb | Oct. 28, 1879 | 922 | 246 | 16 | 782 |
| 222,732 | Plass, Reuben H., assignor to self and M. H. Chapin, New York, N. Y. Machinery for cutting pile-fabrics | Dec. 16, 1879 | 720 | 206 | 16 | 1128 |
| 221,606 | Platt, Aloys, New York, N. Y. Watch-regulator | Nov. 11, 1879 | 542 | 150 | 16 | 897 |
| 218,570 | Platt, George L., Waterbury, Conn. Button-hook | Aug. 12, 1879 | 535 | 151 | 16 | 304 |
| 212,741 | Platte, John, Brooklyn, N. Y. Refrigerator | Feb. 25, 1879 | 1073 | 298 | 15 | 280 |
| 212,977 | Plattenburg, Joseph, Allegheny, Pa. Motor | Mar. 4, 1879 | 243 | 66 | 15 | 328 |
| 219,513 | Plecker, David A., Mount Crawford, Va. Harrow | Sept. 9, 1879 | 521 | 145 | 16 | 487 |
| | Plimpton, Walter H. (*See* Campbell, Daniel E., assignor.) | | | | | |
| 221,352 | Pluemacher, Charles F., Norristown, Pa. Manufacture of razors | Nov. 4, 1879 | 240 | 65 | 16 | 846 |
| | Plumb, Burdick & Barnard. (*See* Worsley, Samuel L., assignor.) | | | | | |
| 219,515 | Plumb, Fawcett, Streator, Ill. Ditching-machine | Sept. 9, 1879 | 524 | 146 | 16 | 487 |
| 8,653 | Plumb, William, Paterson, N. J., assignor to J. A. Sterling, New York, N. Y. Jigger for separating ores (Reissue) | Apr. 1, 1879 | 256 | 74, 75 | 15 | 505 |
| 215,392 | Plumb, William H., Paterson, N. J. Percussion-ball trap | May 13, 1879 | 477 | 142 | 15 | 767 |
| 217,955 | Plumbly, Frederic K., Buffalo, N. Y. Storing-tank for petroleum | July 29, 1879 | 1178 | 337 | 16 | 192 |
| | Plume & Atwood Manufacturing Company. (*See* Adams, Benjamin F., assignor) (Reissue.) | | | | | |
| | Same.....(*See* Atwood, Lewis J., assignor.) | | | | | |
| 212,978 | Plumer, Eugene C., Columbia, S. C. Steam water-elevator | Mar. 4, 1879 | 244 | 67 | 15 | 328 |
| 214,444 | Same.....Water-elevator | Apr. 15, 1879 | 850 | 239 | 15 | 598 |
| 221,187 | Plumer, George, and C. P. Kerans, Peabody, Mass. Removing extractive matters from tanned leather | Nov. 4, 1879 | 53 | ..... | 16 | 819 |
| 219,514 | Plummer, Frank H., Epsom, N. H. Millstone-dressing machine | Sep. 9, 1879 | 522 | 146 | 16 | 487 |
| 215,239 | Plummer, Richard H., Norwich, Conn., assignor to Lowell Machine Shop, Lowell, Mass. Warper | May 13, 1879 | 309 | 91 | 15 | 744 |
| 211,780 | Plympton, Nathaniel, Boston, and C. H. Latham, Lowell, Mass. Table-caster | Jan. 28, 1879 | 837 | 234, 235 | 15 | 114 |
| 212,567 | Plympton, Nathaniel, Boston, Mass., assignor to self and J. E. Jeffords, Philadelphia, Pa. Cover attachment for earthenware pots and vessels | Feb. 25, 1879 | 894 | 247 | 15 | 256 |
| | Pneumatic Tramway Engine Company. (*See* Hardie & James, assignors.) | | | | | |
| 217,817 | Poage, John N., Cincinnati, Ohio. Watering-column for railway water-tanks | July 22, 1879 | 1012 | 290, 291 | 16 | 164 |
| 219,759 | Poe, Hamilton, Saint Louis, Mo. Gage-cock | Sept. 16, 1879 | 800 | 221 | 16 | 532 |
| 218,771 | Same.....Steam-boiler cleaner | Aug. 19, 1879 | 768 | 218 | 16 | 344 |
| 221,607 | Poff, Stephen M., Omaha, Nebr. Coffee-roaster | Nov. 11, 1879 | 543 | 150 | 16 | 897 |
| 213,447 | Pohl, Carl, Dresden, Saxony, Germany. Barrel and cask scrubbing machine | Mar. 18, 1879 | 778 | 219 | 15 | 414 |
| 213,835 | Pohley, Frederick, San Francisco, Cal. Water-closet | Apr. 1, 1879 | 113 | 34 | 15 | 487 |
| | Poiesz, William F. (*See* Gaunt & Poiesz.) | | | | | |
| 218,312 | Poirier, Henri L., Paris, France. Perforating-stamp | Aug. 5, 1879 | 228 | 61 | 16 | 251 |
| | Poirrier, Alcide F. (*See* Roussin & Poirrier.) | | | | | |
| 211,180 | Poirrier, Alcide F., D. A. Rosenstiehl, and Z. Roussin, Paris, France. Color for crude naphthylamine | Jan. 7, 1879 | 108 | ..... | 15 | 15 |
| 212,399 | Poladura, Alejandro P., New Orleans, La. Curing tobacco | Feb. 18, 1879 | 670 | 187 | 15 | 218 |
| 220,306 | Pole, Benjamin C., Philadelphia, Pa., assignor to Pole Register Company, Wilmington, Del. Ticket printing and recording device | Oct. 7, 1879 | 108 | 29 | 16 | 649 |
| | Pole Register Company. (*See* Pole, Benjamin C., assignor.) | | | | | |
| 215,667 | Pollard, Edward, Davenport, Iowa. Mode of placing designs upon glass for etching | May 20, 1879 | 803 | ..... | 15 | 819 |
| | Pollard, Henry M. (*See* Cook, Francis C., assignor.) | | | | | |
| 211,107 | Pollock, John, Beith, North Britain. Carving-machine | Jan. 7, 1879 | 30 | 10, 11, 12 | 15 | 4 |
| 213,687 | Pomeroy, Daniel W., Chicago, Ill. Egg-tester | Mar. 25, 1879 | 1045 | 297 | 15 | 456 |
| 221,251 | Pomroy, Myron, Lockport, N. Y. Bag-holder | Nov. 4, 1879 | 122 | 33 | 16 | 829 |
| 212,111 | Pond, Charles L., Buffalo, N. Y. Metallic seal | Feb. 11, 1879 | 337 | 92 | 15 | 171 |
| 221,936 | Same.....Brush | Nov. 25, 1879 | 947 | 266 | 16 | 969 |
| 212,818 | Pond, Chester H., and A. Tenney, New York, N. Y. Automatic fire-alarm box | Mar. 4, 1879 | 41 | 14 | 15 | 303 |
| 212,819 | Pond, Chester H., New York, N. Y. Fire-alarm telegraph | Mar. 4, 1879 | 43 | 14 | 15 | 303 |
| 212,869 | Same.....Non-interfering fire-alarm box | Mar. 4, 1879 | 101 | 30 | 15 | 311 |
| 213,064 | Same.....Lock for circuit-closers | Mar. 11, 1879 | 351 | 99 | 15 | 350 |
| 213,065 | Same.....Fire-alarm-telegraph instrument | Mar. 11, 1879 | 352 | 99 | 15 | 350 |
| | Pond, David W. (*See* Rasmussen, Knud, assignor.) | | | | | |
| 219,411 | Pond, Julius R., New Hartford, Conn. Process and apparatus for granulating and desiccating milk, sugar, &c | Sept. 9, 1879 | 418 | 116 | 16 | 473 |
| 211,424 | Pool, Cyrus, Ottawa, Ill. Hay-loader | Jan. 14, 1879 | 412 | 117 | 15 | 53 |
| 214,949 | Pool, Isaac A., Escanaba, Mich. Gate-shutter | Apr. 29, 1879 | 1432 | 398 | 15 | 688 |
| 211,781 | Pool, James, Friendsville, Ill. Feed-water heater and regulator for steam-boilers | Jan. 28, 1879 | 838 | 235 | 15 | 114 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216,972 | Peole, William H., assignor to Rand, McNally & Co., Chicago, Ill. Ticket-clasp | July 1, 1879 | 52 | 16 | 16 | 9 |
| | Peeler, Ruxton H. (*See* Holbrook & Peeler.) | | | | | |
| 8,624 | Peer, Chandler, Dubuque, Iowa, assignor to S. S. White, Philadelphia, Pa. Dental drill (Reissue) | Mar. 11, 1879 | 602 | 168 / 169 | 15 | 382 |
| | Pope, Arthur W., *et al.* (*See* Osborne, Wilbur F., assignor.) | | | | | |
| 215,393 | Pope, Lewis C., Paola, Kans. Farm-gate | May 13, 1879 | 478 | 143 | 15 | 767 |
| 216,886 | Pope, Lewis C., and O. N. Tincher, Paola, Kans. Railway-gate | June 24, 1879 | 1006 | 286 | 15 | 1040 |
| | Pope Manufacturing Company. (*See* Freeman, Frank A., assignor.) | | | | | |
| 214,950 | Pope, S. Henry, Parkville, N. Y. Rein-holder | Apr. 29, 1879 | 1432 | 398 | 15 | 688 |
| | Popp, Victor, *et al.* (*See* Mayrhofer, Charles A., assignor.) | | | | | |
| 222,305 | Popping, Joseph, New York, N. Y. Machine for splitting and shaving willow withes. | Dec. 2, 1879 | 209 | 55 | 16 | 1038 |
| | Port, Alexander. (*See* Wilkes & Port.) | | | | | |
| 8,656 | Porter, Alfred, and J. A. Clark, Manchester, N. H. Loom-temple (Reissue) | Apr. 1, 1879 | 261 | 75 | 15 | 506 |
| 215,668 | Porter, Ancel W., Wilkesbarre, Pa. Bottle-stopper fastening | May 20, 1879 | 804 | 235 | 15 | 819 |
| 212,742 | Porter, Benjamin S., assignor of one-half interest to A. Jordan, jr., Ottawa, Ill. Vehicle-spring | Feb. 25, 1879 | 1074 | 298 | 15 | 280 |
| 215,394 | Porter, Benjamin S., and J. F. Vette, Ottawa, Ill. Wagon end-gate | May 13, 1879 | 479 | 143 | 15 | 767 |
| 216,217 | Porter, Daniel R., Sharon, N. H. Trace or tug | June 3, 1879 | 218 | 65 | 15 | 912 |
| 211,256 | Porter, Frederick E., assignor of one-half interest to R. B. Smith, Baltimore, Md. Paper-bag machine | Jan. 7, 1879 | 191 | 56 | 15 | 25 |
| 211,927 | Porter, George A., Syracuse, N. Y. Bale-tie | Feb. 4, 1879 | 118 | 34 | 15 | 141 |
| | Porter, George W. (*See* Harrison, William H., assignor.) | | | | | |
| 214,261 | Porter, Henry B., Chicago, Ill. Electric annunciator | Apr. 15, 1879 | 637 | 279 | 15 | 571 |
| | Porter, Henry K. (*See* Porter, Thomas W. and H. K.) | | | | | |
| 216,291 | Porter, Henry K., Boston, Mass. Thill-coupling loop | June 10, 1879 | 323 | 95 | 15 | 932 |
| 216,454 | Same.....Centre-plate for whiffletrees | June 10, 1879 | 513 | 146 | 15 | 957 |
| 220,493 | Same.....Top-prop for carriages | Oct. 14, 1879 | 324 | 86 | 16 | 687 |
| 220,494 | Same.....Whiffletree-coupling | Oct. 14, 1879 | 325 | 86 | 16 | 687 |
| 220,495 | Same.....Clip king-bolt | Oct. 14, 1879 | 326 | 86 | 16 | 687 |
| 221,471 | Same.....Whiffletree-coupling | Nov. 11, 1879 | 390 | 107 | 16 | 874 |
| 222,531 | Same.....Top-prop for carriages | Dec. 9, 1879 | 476 | 135 | 16 | 1082 |
| | Porter, Horace. (*See* Sergeant & Porter.) | | | | | |
| 217,744 | Porter, John C., Saint Louis, Mo. Electric lamp | July 22, 1879 | 936 | 269 | 16 | 154 |
| | Porter, Joseph L. (*See* Simms & Porter.) | | | | | |
| | Porter, Major D. (*See* Zinn & Porter.) | | | | | |
| | Porter, Mark H., *et al.* (*See* Laflin, William G., assignor.) | | | | | |
| 216,756 | Porter, Thomas W., Chelsea, and H. K. Porter, Boston, Mass. Holdback for vehicles. | June 24, 1879 | 865 | 245 | 15 | 1022 |
| 221,188 | Same.....Thill-coupling | Nov. 4, 1879 | 54 | 15 | 16 | 819 |
| 211,926 | Porter, Timothy R., Syracuse, N. Y. Bale-tie | Feb. 4, 1879 | 118 | 34 | 15 | 141 |
| 221,861 | Portway, Charles, Halstead, Essex County, England. Stove | Nov. 18, 1879 | 845 | 236 | 16 | 945 |
| | Positive Motion Loom Company. (*See* Drummond, John W., assignor) (Reissue.) | | | | | |
| | Post, Charles W. (*See* Ide & Post.) | | | | | |
| | Post & Co. (*See* Anderson & Briggs, assignors.) | | | | | |
| | Same.....(*See* Briggs, Arthur E., assignor.) | | | | | |
| 218,399 | Post, Edward C., Monroe, Mich. Stop-valve | Aug. 12, 1879 | 334 | 92 | 16 | 276 |
| | Post, J. F., *et al.* (*See* Wells, Isaac, assignor.) | | | | | |
| 220,496 | Post, John W., New York, N. Y. Sewing-machine attachment for lathes | Oct. 14, 1879 | 327 | 86, 87 | 16 | 688 |
| 221,741 | Same.....Core for casting puppets | Nov. 18, 1879 | 696 | 195 | 16 | 926 |
| 216,757 | Poston, William G., W. M. Stevens, and W. A. Siders, La Fontaine, Ind. Portable fence | June 24, 1879 | 865 | 246 | 15 | 1022 |
| 212,979 | Posz, Michael, Shelbyville, Ind. Bill-file | Mar. 4, 1879 | 246 | 67 | 15 | 328 |
| | Pott, Young & Co. (*See* Young & Goeller, assignors.) | | | | | |
| 222,640 | Potter, Asa K., Providence, R. I. Cabinet for holding and exhibiting engravings | Dec. 16, 1879 | 626 | 178 | 16 | 1114 |
| | Potter, Benjamin F. (*See* Gates & Potter.) | | | | | |
| | Potter, Charles F. (*See* Steddard, Oscar, assignor.) | | | | | |
| 218,400 | Potter, George E., assignor of one-half interest to E. H. Barney, Springfield, Mass. Waste-pipe connection for wash-basins, &c | Aug. 12, 1879 | 336 | 93 | 16 | 276 |
| 216,292 | Potter, George W., Schuylerville, N. Y. Scaffold | June 10, 1879 | 324 | 95 | 15 | 933 |
| 218,450 | Potter, Henry H., Sterlingville, N. Y. Curd-cutter | Aug. 12, 1879 | 595 | 109 | 16 | 284 |
| 216,058 | Potter, Merritt F., Hinckley, Ill. Card-holding device | June 3, 1879 | 57 | 15 | 15 | 892 |
| 212,743 | Potter, Reuben B., Kansas City, Mo. Car-coupling | Feb. 25, 1879 | 1074 | 298 | 15 | 280 |
| | Potter, Sprague & Watson. (*See* Sprague, Watson N., assignor.) | | | | | |
| 217,144 | Potter, Thomas, Jersey City, N. J. Automatic railway-brake | July 1, 1879 | 242 | 71 | 16 | 34 |
| 212,400 | Potter, Thomas O., Boston, Mass., assignor to F. Armstrong, Bridgeport, Conn. Adjusting-strap for garments | Feb. 18, 1879 | 671 | 187 | 15 | 218 |
| 8,820 | Potter, Thomas O., Boston, assignor to A. Nichols, Reading, Mass. Suspenders. (Reissue) | July 22, 1879 | 1057 | 303 | 16 | 170 |
| 221,353 | Potter, Thomas O., Boston, Mass. Belt-fastener | Nov. 4, 1879 | 241 | 65 | 16 | 846 |
| 214,188 | Potter, William A., and G. A. Glahn, assignors of one-third interest to B. Graham, West Meriden, Conn. Ornamenting articles of glass, &c | Apr. 8, 1879 | 531 | 151 | 15 | 547 |
| 219,014 | Potter, William H., Leyden, N. Y. Apparatus for destroying insects | Aug. 26, 1879 | 1067 | 301 | 16 | 394 |
| 217,402 | Potter, William L., Mechanicsville, N. Y. Railway-switch | July 8, 1879 | 529 | 152 | 16 | 79 |
| 215,478 | Pottle, George F., Boston, Mass. Valve | May 20, 1879 | 595 | 175 | 15 | 792 |
| 222,946 | Same..... Governor for steam-engines | Dec. 23, 1879 | 973 | 279 | 16 | 1175 |
| | Potts, J. Lewis, *et al.* (*See* Benz, Gottlieb, assignor.) | | | | | |
| 8,925 | Potts, Mary F., assignor, by mesne assignments, to Enterprise Manufacturing Company of Pennsylvania and American Machine Company, Philadelphia, Pa. Sad-iron (Reissue) | Oct. 7, 1879 | 284 | 76 | 16 | 674 |
| 213,774 | Potts, Samuel, and A. Parson, Somerset, Wis. Apparatus for removing germs and fuzz from grain | Apr. 1, 1879 | 47 | 15 | 15 | 479 |
| 218,571 | Potts, Samuel, Minneapolis, Minn. Preparing grain for after-milling | Aug. 12, 1879 | 536 | 151 | 16 | 304 |
| | Pourcel, Alexandre. (*See* Valton, Euverte & Pourcel.) | | | | | |
| 213,932 | Powell, Abram G., Philadelphia, Pa. Fence | Apr. 1, 1879 | 213 | 63 | 15 | 500 |
| 220,307 | Powell, Edwin R., Winooski, assignor of one-half interest to L. F. Terrill, Underhill, Vt. Hermetically sealing cans | Oct. 7, 1879 | 110 | 29 | 16 | 650 |
| 222,947 | Powell, Hazael B., Napoleon, Ohio. Hand-hold for reins | Dec. 23, 1879 | 974 | 280 | 16 | 1175 |
| 218,313 | Powell, Isaac A., Elk Falls, Kans. Water-heater | Aug. 5, 1879 | 229 | 62 | 16 | 251 |
| 213,133 | Powell, James, Chicago, Ill. Ballot-box | Mar. 11, 1879 | 437 | 122 | 15 | 361 |
| 216,629 | Same.....Camp and hunting stool | June 17, 1879 | 708 | 202 | 15 | 992 |
| | Powell, John B., *et al.* (*See* Shive, David, assignor) (Reissue.) | | | | | |
| 214,445 | Powell, John B., assignor of one-half interest to J. C. Sherborne, Philadelphia, Pa. Automatic fan or fly-brush | Apr. 15, 1879 | 851 | 240 | 15 | 598 |
| 219,015 | Powell, John B., assignor of one-half interest to J. C. Sherborne; said Powell and Sherborne assignors of one-sixth interest to J. H. Harper, Philadelphia, Pa. Spring-motor | Aug. 26, 1879 | 1068 | 301 | 16 | 394 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Powell, John R. (*See* Thomas & Powell.) | | | | | |
| 215,395 | Powell, John R., Plymouth, Pa. Blasting-fuse | May 13, 1879 | 480 | 143 | 15 | 767 |
| | Powell, Rachael M., *et al.* (*See* Pitt, Thomas, assignor.) | | | | | |
| 216,758 | Powell, Thomas, Martinsville, Ind. Friction-clutch | June 24, 1879 | 866 | 246 | 15 | 1023 |
| 8,864 | Powell, Thomas, Milroy, Ind., assignor, by mesne assignments, to G. Frost, Boston, Mass. Garment-supporter (Reissue) | Aug. 19, 1879 | 829 | 233 | 16 | 353 |
| 222,948 | Powell, Thomas, assignor of one-half interest to C. D. Middleton, Philadelphia, Pa. Sash-fastener | Dec. 23, 1879 | 975 | 289 | 16 | 1175 |
| 222,949 | Same.....Burglar-alarm | Dec. 23, 1879 | 975 | 280 | 16 | 1175 |
| | Powers, Charles E. (*See* Otis & Parker, assignors.) | | | | | |
| | Powers, Charles M. (*See* Bennum & Powers.) | | | | | |
| | Powers, Daniel. (*See* Peck & Powers.) | | | | | |
| 222,733 | Powers, Luther A., assignor of one-half interest to P. A. Powers, West Meriden, Conn. Rake | Dec. 16, 1879 | 722 | 207 | 16 | 1128 |
| | Powers, Perley A. (*See* Powers, Luther A., assignor.) | | | | | |
| | Poyntz, Charles B. (*See* Paine, Barrett C., assignor.) | | | | | |
| 214,700 | Praechter, Philip, Heidelberg, Baden, Germany. Car-truck | Apr. 22, 1879 | 1145 | 323 | 15 | 643 |
| 211,586 | Prager, Myer W., New York, N. Y. Cigar-package | Jan. 21, 1879 | 599 | 169 | 15 | 79 |
| 215,973 | Same..... Package for cigars | May 27, 1879 | 1142 | 332 | 15 | 871 |
| 221,608 | Prairie, Joseph P., Raleigh, N. C. Combined cotton chopper and cultivator | Nov. 11, 1879 | 543 | 159 | 16 | 897 |
| | Prall, J. L. (*See* Prall, William E., assignor.) | | | | | |
| 217,956 | Prall, William E., assignor to J. L. Prall, New York, N. Y. Apparatus for propelling street-cars | July 29, 1879 | 1179 | 338 | 16 | 192 |
| 218,192 | Same.....Underground-telegraph | Aug. 5, 1879 | 102 | 27 | 16 | 234 |
| 218,685 | Same.....Heating and ventilating cars | Aug. 19, 1879 | 677 | 192 | 16 | 332 |
| | Prather, S. A. (*See* Patterson, John W., assignor.) | | | | | |
| | Prather, Washington. (*See* Clinton & Prather.) | | | | | |
| 211,782 | Pratt, Alfred W., Flushing, N. Y., assignor of one-half interest to H. S. Lambert, Orange, N. J. Liquid-drier for oils, paints, &c | Jan. 28, 1879 | 839 | ..... | 15 | 115 |
| 211,928 | Same.....Composition for drying paints and oils | Feb. 4, 1879 | 119 | ..... | 15 | 141 |
| 212,323 | Pratt, Barney, Mineral Point, Wis. Harvester-cutter | Feb. 18, 1879 | 584 | 163 | 15 | 297 |
| 222,075 | Pratt, Charles A., Clinton, Mass. Plow | Nov. 25, 1879 | 1098 | 308 | 16 | 989 |
| | Pratt, Charles W. (*See* Gridley & Pratt.) | | | | | |
| 8,970 | Pratt, Daniel R., Brooklyn, N. Y. Nut-lock (Reissue) | Nov. 18, 1879 | 892 | 250 | 16 | 953 |
| | Pratt, Edwin E., *et al.* (*See* Schock, James J., assignors.) | | | | | |
| | Pratt, George M., *et al.* (*See* North, John, assignor.) | | | | | |
| 8,793 | Pratt, George M., Middletown, Conn., assignor to Victor Sewing Machine Company. Chuck for metal-drills (Reissue) | July 8, 1879 | 579 | 166 | 16 | 85 |
| | Pratt, Leverett A. (*See* Williams, Edward J., assignor.) | | | | | |
| 214,951 | Pratt, Nathaniel W., New York, N. Y., assignor to G. H. Babcock, Plainfield, N. J., and S. Wilcox, Brooklyn, N. Y. Cleaning-door for furnaces | Apr. 29, 1879 | 1433 | 399 | 15 | 688 |
| 216,887 | Same.....Sectional boiler | June 24, 1879 | 1097 | 286 | 15 | 1040 |
| 216,888 | Same.....Dumping dead-plate for furnaces | June 24, 1879 | 1008 | 287 | 15 | 1041 |
| 215,479 | Pratt, Nelson R., Dover South Mills, Me. Carriage-wheel wrench | May 20, 1879 | 596 | 175 | 15 | 792 |
| 221,354 | Praul, John E. (United States Navy), assignor to self and J. Casey, Washington, D. C. Traction-engine | Nov. 14, 1879 | 242 | 66 | 16 | 846 |
| | Pray, Benjamin S. (*See* Kendall, Charles H., assignor.) | | | | | |
| 218,059 | Preater, James H., Brooklyn, N. Y. Canister for spices, &c | July 29, 1879 | 1291 | 369 | 16 | 297 |
| 218,193 | Same.....Shipping-drum | Aug. 5, 1879 | 103 | 27 | 16 | 234 |
| 217,238 | Preble, Eber C., and J. A. Peoples, Chicago, Ill.; said Peoples assignor to said Preble. Wood-planing machine | July 8, 1879 | 358 | 106 | 16 | 58 |
| 220,415 | Prendergast, Felix S., Savannah, Ga. Railway-track gage | Oct. 7, 1879 | 227 | 61 | 16 | 666 |
| 215,541 | Prentice, George W., Providence, R. I. Button-hole guard | May 20, 1879 | 663 | 193 | 15 | 801 |
| 218,897 | Preo, John, Greenwich, N. Y. Side-bar vehicle | Aug. 26, 1879 | 948 | 265 | 16 | 378 |
| 8,577 | Presbrey, Edward F., Providence, R. I., assignor to E. N. Foote, Northampton, Mass. Ornamentation of bracelets and other articles (Reissue) | Feb. 11, 1879 | 544 | 153 | 15 | 199 |
| 215,293 | Prescott, De Witt C., Marinette, Wis. Balanced valve for steam-engines | May 13, 1879 | 387 | 115 | 15 | 754 |
| | Prescott, George B. (*See* Edison, Thomas A., assignor) (Reissue.) | | | | | |
| 213,933 | Presko, Frederick A., New York, N. Y. Carriage-top | Apr. 1, 1879 | 214 | 63 | 15 | 500 |
| | Preston, Everett B. (*See* Johnson, John H., assignor) (Reissue.) | | | | | |
| 219,016 | Preston, Everett B., Chicago, Ill. India-rubber boot | Aug. 26, 1879 | 1070 | 301 | 16 | 394 |
| 216,889 | Preston, Harvey L., assignor to Iowa Automatic Car Coupling Company, Clinton City, Iowa. Car-coupling | June 24, 1879 | 1099 | 287 | 15 | 1041 |
| | Preston, James. (*See* Hunt & Preston.) | | | | | |
| 213,066 | Preston, John, C. W. Tennis, and J. B. Hamilton, Claysville, Ky. Seed-planter | Mar. 11, 1879 | 355 | 99 / 100 | 15 | 351 |
| | Preston, John W. (*See* Stanchfield, Charles S., assignor.) | | | | | |
| 212,153 | Preston, King H. C., Manlius, N. Y. Harvester-rake | Feb. 11, 1879 | 384 | 105 | 15 | 177 |
| 214,446 | Price, Charles D., Emmetsburg, Iowa. Harrow | Apr. 15, 1879 | 853 | 249 | 15 | 598 |
| 217,403 | Price, George L., Orleans, N. Y. Combined bag-holder and truck | July 8, 1879 | 530 | 152 | 16 | 79 |
| 216,698 | Price, Henry B., New York, N. Y. Plane | June 17, 1879 | 781 | 223 | 15 | 1002 |
| 211,345 | Price, Henry W., Rockford, Ill. Corn-husking implement | Jan. 14, 1879 | 324 | 95 | 15 | 42 |
| 217,818 | Same.....Husking-glove | July 22, 1879 | 1014 | 291 | 16 | 164 |
| 220,308 | Same.....Mitten | Oct. 7, 1879 | 111 | 29, 30 | 16 | 650 |
| 211,425 | Price, Jacob, San Leandro, Cal. Sulky-plow | Jan. 14, 1879 | 413 | 117 | 15 | 53 |
| | Price, John A. (*See* McClave, William, assignor.) | | | | | |
| 211,929 | Price, John A., Scranton, Pa. Stove-grate | Feb. 4, 1879 | 119 | 35 | 15 | 141 |
| | Price, Overton S., *et al.* (*See* Morgan, William J., assignor.) | | | | | |
| 219,174 | Price, Thomas E., Saint Louis, Mo. Sleigh-runner | Sept. 2, 1879 | 128 | 39 | 16 | 429 |
| | Price, V. Clarence, *et al.* (*See* Hoffman, Orville S., assignor.) | | | | | |
| | Same.....(*See* Wilson, Merrick F., assignor.) | | | | | |
| 215,772 | Price, Virgil, New York, N. Y. Mold for casting limbs | May 27, 1879 | 921 | 270 | 15 | 844 |
| 217,549 | Price, William, Cincinnati, Ohio. Washing-machine | July 15, 1879 | 699 | 200 | 16 | 114 |
| 218,572 | Price, William H., Gainesville, Ga., assignor to P. Hannay, Washington, D. C. Printer's composing-stick | Aug. 12, 1879 | 537 | 151 | 16 | 304 |
| | Pride, J. Warner. (*See* Sherman, Wardell B., assignor.) | | | | | |
| 212,154 | Pridmore, Henry E., Brockport, Ill. Knot-tier for grain-binders | Feb. 11, 1879 | 385 | 105 | 15 | 177 |
| 220,416 | Priest, Joseph K., assignor to American Shearer Manufacturing Company, Nashua, N. H. Instrument for clipping and cutting hair | Oct. 7, 1879 | 227 | 61 | 16 | 666 |
| 216,455 | Primbs, Charles, United States Army. Swimming-glove | June 10, 1879 | 513 | 146 | 15 | 958 |
| 212,568 | Prince, Charles, Mount Pleasant, Iowa. Machine for sharpening mower and reaper knives | Feb. 25, 1879 | 895 | 247 | 15 | 256 |
| 211,181 | Prince, Louis, Nashville, Ohio. Railway-car | Jan. 7, 1879 | 108 | 34 | 15 | 15 |
| 213,448 | Same.....Combined hay-rack and fence | Mar. 18, 1879 | 779 | 220 | 15 | 414 |
| 213,688 | Prindle, Franklin C., Philadelphia, Pa. Detachable cover for air-tight vessels | Mar. 25, 1879 | 1047 | 298 | 15 | 457 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214, 841 | Prindle, John A., Cleveland, Ohio. Packing for rods or tubes | Apr. 29, 1879 | 1324 | 369 | 15 | 674 |
| 217, 745 | Pringle, Robert M., and W. D. Robb, Elizabethtown, Ky. Safety-valve | July 22, 1879 | 937 | 269 | 16 | 154 |
| 216, 105 | Prior, Samuel, Trenton, N. J. Heel-stiffener for boots and shoes | June 3, 1879 | 101 | 30 | 15 | 898 |
| 213, 689 | Prioux, Théophile, Paris, France. Fountain-pen | Mar. 25, 1879 | 1048 | 298 | 15 | 457 |
| 221, 252 | Pritchett, Enoch W., Cataract, Ind. Wagon-brake | Nov. 4, 1879 | 123 | 33 | 16 | 829 |
| | Probert, Philip. (*See* Morrison & Probert.) | | | | | |
| | Procter, Robert W. (*See* Cziner, Matyas, assignor.) | | | | | |
| 213, 067 | Proctor, James, Burnley, England. Apparatus for supplying fuel to boiler and other furnaces | Mar. 11, 1879 | 356 | 100 | 15 | 351 |
| | Proctor, Josiah K., *et al.* (*See* Forrester, Isaac W., assignor.) | | | | | |
| 212, 820 | Proctor, Robert, Walnut, Ill. Car-starter | Mar. 4, 1879 | 44 | 14, 15 | 15 | 303 |
| | Proctor, William F. (*See* Stevens, William J., assignor.) | | | | | |
| | Proeger, Julius. (*See* Fulton & Proeger.) | | | | | |
| | Promis, Leopold M. (*See* Taylor, Oliver H., assignor.) | | | | | |
| 212, 052 | Prosens, Alfred, assignor of two-thirds interest to G. W. Burton and T. W. Matthews, Baltimore, Md. Combined lock and latch | Feb. 4, 1879 | 267 | 73 | 15 | 159 |
| | Prouty, Augustus B. (*See* Holmes, Nelson, assignor.) | | | | | |
| 216, 890 | Pronty, George W., Boston, Mass. Oscillating printing-machine | June 24, 1879 | 1010 | 287, 288 | 15 | 1041 |
| 220, 547 | Same.....Ink-fountain for printing-machines | Oct. 14, 1879 | 390 | 101 | 16 | 695 |
| | Prouty, Joel H., *et al.* (*See* Burns, William H., assignor).....(Reissue.) | | | | | |
| 214, 447 | Prouty, Joel H., and S. S. Sprague, Worcester, Mass. Burr-roll for loom-temples | Apr. 15, 1879 | 853 | 240 | 15 | 598 |
| | Providence Machine Company. (*See* Hazard, George J., assignor.) | | | | | |
| | Providence Steam and Gas Pipe Company. (*See* Brown & Foskett, assignors).(Reissue.) | | | | | |
| 214, 189 | Provost, Peter, Minneapolis, Minn. Grain-drier | Apr. 8, 1879 | 532 | 151 | 15 | 547 |
| 215, 240 | Prowse, George R., Montreal, Canada. Stove | May 13, 1879 | 311 | 92 | 15 | 745 |
| 221, 472 | Same.....Heat-transmitting apparatus | Nov. 11, 1879 | 390 | 107 | 16 | 874 |
| 218, 060 | Pruden, Arnold F., Chelsea, Mich. Combined wood and wire fence | July 29, 1879 | 1291 | 370 | 16 | 207 |
| 211, 930 | Pruessing, Richard, assignor of one-half interest to H. Thuenen, Davenport, Iowa. Horseshoe | Feb. 4, 1879 | 121 | 35 | 15 | 141 |
| 214, 004 | Prunty, John E., Waverly, Md. Steam fire-engine | Apr. 8, 1879 | 312 | 90 | 15 | 521 |
| | Prutzman, Asaph. (*See* Hemmich, Thomas F., assignor.) | | | | | |
| 212, 980 | Pruyn, Henry S., White Creek, N. Y. Drill-chuck | Mar. 4, 1879 | 247 | 67 | 15 | 328 |
| 214, 701 | Pruyn, Henry S., Centre White Creek, N. Y. Locomotive for single railways | Apr. 22, 1879 | 1146 | 323 | 15 | 643 |
| 215, 669 | Pruyn, Robert C., and C. M. Hyatt, Albany, N. Y., assignors to Embossing Company. Support for calendars | May 20, 1879 | 804 | 235 | 15 | 820 |
| 215, 974 | Same.....Calendar-support | May 27, 1879 | 1143 | 332 | 15 | 871 |
| 218, 061 | Same.....Toy building-block | July 29, 1879 | 1292 | 370 | 16 | 207 |
| 220, 417 | Pryor, Daniel R., assignor to self and T. D. Evans, Pittsburg, Pa. Reversing-gear for locomotives, &c | Oct. 7, 1879 | 229 | 61 | 16 | 666 |
| 212, 500 | Puckett, William S., Sumterville, Ala. Hydraulic motor | Feb. 18, 1879 | 796 | 220 | 15 | 235 |
| 219, 516 | Puffer, William E., New York, N. Y. Water-filter | Sept. 9, 1879 | 525 | 147 | 16 | 488 |
| 216, 059 | Pugh, James L., Hamburg, Ark. Corn and cotton scraper | June 3, 1879 | 57 | 16 | 15 | 892 |
| 212, 261 | Pugsley, John G., assignor to self and J. Ennis, Brooklyn, N. Y. Ankle-supporter | Feb. 11, 1879 | 502 | 139 | 15 | 193 |
| 216, 106 | Same.....same | June 3, 1879 | 102 | 30 | 15 | 898 |
| 218, 134 | Pulaski, Morris H., Philadelphia, Pa. Show-box for laces, &c | Aug. 5, 1879 | 30 | 9 | 16 | 225 |
| 222, 421 | Pulliam, Benjamin M., Tolono, Ill. Corn-planter | Dec. 9, 1879 | 344 | 97 | 16 | 1066 |
| 211, 668 | Pulliam, Luther, Knobnoster, assignor of one-half interest to T. R. E. Harvey, Fairville, Mo. Stirrup | Jan. 28, 1879 | 709 | 198 | 15 | 98 |
| 214, 584 | Pulliam, Luther, Miami, assignor of one-half interest to J. B. Austin, Saint Louis, Mo. Wagon-spring | Apr. 22, 1879 | 1026 | 289 | 15 | 627 |
| 218, 898 | Pulliam, Luther, Miami, Mo., assignor of one-half interest to C. H. Allen, Chicago, Ill. Running-gear for wagons | Aug. 26, 1879 | 948 | 266 | 16 | 378 |
| 222, 155 | Pulliam, Luther, assignor of one-half interest to G. G. Duggins, Miami, Mo. Stirrup | Dec. 2, 1879 | 43 | 11 | 16 | 1015 |
| 222, 306 | Pulliam, Luther, Miami, Mo., assignor of one-half interest to C. H. Allen, Chicago, Ill. Draft attachment for wagons | Dec. 2, 1879 | 212 | 56 | 16 | 1038 |
| | Pulling, James G., *et al.* (*See* Royce, Wesley, assignor.) | | | | | |
| 219 826 | Pullman, James B., Milan, Ill. Rotary pump | Sept. 23, 1879 | 896 | 246 | 16 | 554 |
| | Pulner, Almon E. (*See* Paine, Brighty & Pulner.) | | | | | |
| 220, 657 | Purdey, James, London, England. Breech-loading fire-arm | Oct. 14, 1879 | 515 | 136 | 16 | 712 |
| 212, 324 | Purdy, John H., Chicago, Ill. Passenger-ticket | Feb. 18, 1879 | 585 | 163 | 15 | 207 |
| 8, 828 | Purdy, Stacy D., Elyria, Ohio, assignor, by mesne assignments, to Washburn & Moen Manufacturing Company, Wooster, Mass. Bale-tying attachment to baling-presses.....(Reissue) | July 29, 1879 | 1354 | 388 | 16 | 214 |
| 215, 670 | Purington, Frank H., Brunswick, Me. Sectional steam-boiler | May 20, 1879 | 805 | 235 | 15 | 820 |
| | Purpus, Edward, *et al.* (*See* Albers, Henry, assignor.) | | | | | |
| | Putnam, Ann M. (*See* Putnam, Silas S., assignor.) | | | | | |
| | Putnam, Charles F. (*See* Davis, Jonathan D., assignor.) | | | | | |
| 221, 973 | Putnam, Ephraim, Plattsburg, N. Y. Hand corn-planter | Nov. 25, 1879 | 991 | 277 | 16 | 974 |
| 217, 145 | Putnam, George W., Glens Falls, assignor of one-half interest to W. Hammond and R. C. Blackall, Albany, N. Y. Car-coupling | July 1, 1879 | 244 | 71 | 16 | 34 |
| | Putnam, Henry W. (*See* Miles, Purches, assignor.) | | | | | |
| | Same.....(*See* Miller, Joel B., assignor).....(Reissue.) | | | | | |
| | Same.....(*See* Stevens, David E., assignor.) | | | | | |
| 212, 623 | Putnam, Henry W., Bennington, Vt. Bottle stopper and fastener | Feb. 25, 1879 | 958 | 265 | 15 | 264 |
| 221, 099 | Putnam, John, Pittsburg, Pa. Salt-cruet | Oct. 28, 1879 | 1050 | 278 | 16 | 799 |
| 221, 862 | Putnam, Salmon W., Fitchburg, Mass. Device for securing the tail-stocks of metal-turning lathes | Nov. 18, 1879 | 845 | 236 | 16 | 946 |
| 220, 987 | Putnam, Silas S., assignor, by mesne assignments, to A. M. Putnam, Boston, Mass. Spring curtain-fixture | Oct. 28, 1879 | 923 | 246 | 16 | 782 |
| 217, 482 | Putnam, Theodore A. B., New York, N. Y. Railway-signal | July 15, 1879 | 631 | 180 | 16 | 104 |
| 218, 194 | Putnam, William, and W. H. Scott, Saint Louis, Mo. Apparatus for reducing grain by cutting action | Aug. 5, 1879 | 104 | 28 | 16 | 234 |
| 215, 159 | Putnam, Zenas B., Thomaston, Me. Edging-tool for leather-working | May 6, 1879 | 205 | 59 | 15 | 727 |
| | Pye, William B. (*See* Bühler & Pye.) | | | | | |
| 212, 501 | Pyle, George W., Geneva, Ind. Gate | Feb. 18, 1879 | 797 | 220 | 15 | 235 |
| 214, 702 | Pyron, Tapley B., Springfield, Mo. Rotary engine | Apr. 22, 1879 | 1147 | 323 | 15 | 643 |
| 215, 396 | Quackenboss, Philip P., Philadelphia, Pa., assignor to Dutcher Temple Company, Hopedale, Mass. Loom-temple | May 13, 1879 | 481 | 143 | 15 | 767 |
| 217, 146 | Quackenbush, Henry M., Herkimer, N. Y. Clasp for box-covers | July 1, 1879 | 244 | 71 | 16 | 34 |
| | Quaker Mill Company. (*See* Butts, Samuel F., assignor.) | | | | | |
| 217, 404 | Quartley, Charles, Baltimore, Md. Manufacture of transparent pictures or signs | July 8, 1879 | 531 | ..... | 16 | 79 |
| | Quayle, John, *et al.* (*See* Severance, George W., assignor.) | | | | | |
| | Quick, George, *et al.* (*See* Hyatt, Edmun P., assignor.) | | | | | |
| 211, 783 | Quigley, Hugh J., New York, N. Y. Reversible spout | Jan. 28, 1879 | 840 | 265 | 15 | 115 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 213, 836 | Quigley, John B., and W. Grayson, assignors to Saint Louis Refrigerator and Wooden Gutter Company, Saint Louis, Mo. Water-cooler | Apr. 1, 1879 | 114 | 34 | 15 | 487 |
| 222, 734 | Quigley, William C., Galion, Ohio. Railway frog and crossing | Dec. 16, 1879 | 722 | 207 | 16 | 1128 |
| | Quimby, Edward E., trustee. (*See* Humphrey, Henry C., assignor.) | | | | | |
| | Same.....(*See* Behr & Humphrey, assignors.) | | | | | |
| | Quimby, Edward E. (*See* Krause, Otto H., assignor.) | | | | | |
| 221, 896 | Quimby, Edward E., Orange, assignor to F. O. Matthiessen & Wiechers Sugar Refining Company, Jersey City, N. J. Centrifugal liquoring apparatus | Nov. 18, 1879 | 880 | 246 | 16 | 951 |
| 221, 897 | Same.....same | Nov. 18, 1879 | 881 | 247 | 16 | 951 |
| 221, 898 | Same.....same | Nov. 18, 1879 | 883 | 247 | 16 | 951 |
| 222, 422 | Quinby, Eben C., Saint Louis, Mo., and E. Baldwin, Stourport, England. Manufacture of enameled cast-iron ware | Dec. 9, 1879 | 344 | ..... | 16 | 1066 |
| 213, 591 | Quinby, Ezra A., Memory, Iowa. Compress for trees | Mar. 25, 1879 | 942 | 268 | 15 | 443 |
| 218, 573 | Quinby, Watson F., Wilmington, Del. Aerial ship | Aug. 12, 1879 | 539 | 152 | 16 | 304 |
| 213, 449 | Quincy, Edmund W., Peoria, Ill. Check-rower for corn-planters | Mar. 18, 1879 | 780 | 220 | 15 | 414 |
| 222, 599 | Quincy, Edmund W., Decatur, Ill. Check-row attachment for corn-planters | Dec. 16, 1879 | 571 | 162 | 16 | 1106 |
| 219, 175 | Quinlan, William, Mayfield, Cal. Thill-coupling | Sept. 2, 1879 | 129 | 39 | 16 | 429 |
| 219, 760 | Quinley, Charles F., assignor to F. S. Draper, Attleborough, Mass. Gem-setting | Sept. 16, 1879 | 800 | 221 | 16 | 532 |
| 221, 189 | Quinley, Charles F., Attleborough, Mass. Separable button | Nov. 4, 1879 | 55 | 15 | 16 | 819 |
| 217, 296 | Quinn, Bernard B., and O. Longacre, New York, N. Y. Combined chaplet and anchor for horizontal cores | July 8, 1879 | 415 | 123 | 16 | 65 |
| | Quinn, John. (*See* Hennessy & Quinn.) | | | | | |
| 213, 837 | Quinn, Patrick, assignor to Swamscot Machine Company, South New Market, N. H. Upright steam-boiler | Apr. 1, 1879 | 115 | 35 | 15 | 487 |
| 219, 517 | Quinn, Thomas, Macon, Ga. Cotton-press | Sept. 9, 1879 | 526 | 147 | 16 | 488 |
| | Quinn, William. (*See* Smith, Thomas J., assignor.) | | | | | |
| 213, 068 | Quinn, William J., Wheeling, W. Va. Insect-trap | Mar. 11, 1879 | 357 | 101 | 15 | 351 |
| 219, 305 | Quintavalle, Robert, Brooklyn, assignor to self and T. F. C. Petrasch, New York, N. Y. Device for preventing the shifting of cargoes in vessels | Sept. 3, 1879 | 286 | 80 | 16 | 448 |
| | Quittmeyer, Theodore H. (*See* Sjoberg, Carl A. J., assignor.) | | | | | |
| 215, 671 | Quosbarth, Charles L., New York, N. Y. Wristlet | May 20, 1879 | 806 | 236 | 15 | 820 |
| | Rabbeth, Francis J. (*See* Fay, Rimmon C., assignor.) | | | | | |
| | Rabbeth, Frank J., *et al.* (*See* Atwood, John E., assignor).....(Reissue.) | | | | | |
| 214, 952 | Rabenau, Martin, assignor to J. Schroeder & Co., Baltimore, Md. Apparatus for treating leaf-tobacco | Apr. 29, 1879 | 1434 | 399 | 15 | 688 |
| 218, 772 | Racer, Martin J. (W. Racer, administrator), La Grange, Tex. Suspender-button | Aug. 19, 1879 | 769 | 218 | 16 | 344 |
| | Racer, William, administrator. (*See* Racer, Martin J.) | | | | | |
| | Radcliff, W. J., *et al.* (*See* Silvester, William, assignor.) | | | | | |
| 216, 973 | Radcliffe, Charles, assignor to New Jersey Manufacturing Company, Newark, N. J. Metallic button | July 1, 1879 | 53 | 16 | 16 | 9 |
| 215, 241 | Rademann, Peter, Jersey City, N. J. Scroll-sawing machine | May 13, 1879 | 312 | 92 | 15 | 745 |
| | Radinsky, Carl. (*See* Radinsky, Gustav A., assignor.) | | | | | |
| 221, 609 | Radinsky, Gustav A., assignor of one-half interest to C. Radinsky, Marshall, Tex. Harmony attachment for piano-fortes | Nov. 11, 1879 | 545 | 150 | 16 | 897 |
| 218, 686 | Radley, John P., Albany, N. Y. Bed-bottom | Aug. 19, 1879 | 678 | 192 | 16 | 332 |
| 215, 672 | Rae, Julio H., New York, N. Y. Apparatus for amalgamating ores | May 20, 1879 | 807 | 236 | 15 | 820 |
| 8, 894 | Raecke, Louis, assignor, by mesne assignments, to M. Lansburg, New York, N. Y. Filter.....(Reissue) | Sept. 16, 1879 | 842 | 233 | 16 | 538 |
| 222, 532 | Raedler, Gebhard, and J. Marazzi, Cincinnati, Ohio. Artificial stone | Dec. 9, 1879 | 477 | ..... | 16 | 1083 |
| 217, 819 | Raeke, Hermann T., Baltimore, Md. Sash-lock | July 22, 1879 | 1015 | 291 | 16 | 164 |
| 213, 690 | Raffenbeul, Otto, and A. Kahl, Hamburg, Germany. Stud and button | Mar. 25, 1879 | 1048 | 298 | 15 | 457 |
| | Railway Register Manufacturing Company. (*See* Benton, John B., assignor.) | | | | | |
| | Rains, Jesse J. (*See* Utterback & Rains.) | | | | | |
| 218, 773 | Raisbeck, Thomas A., and J. H. Green, New York, N. Y. Pulley-crane for clothes-lines | Aug. 19, 1879 | 770 | 218 | 16 | 344 |
| 219, 017 | Rakes, John F., Greenup County, Ky. Car-coupling | Aug. 26, 1879 | 1070 | 301 | 16 | 394 |
| | Rakker, Henry W. (*See* Bradford, William, assignor.) | | | | | |
| 220, 418 | Rakow, Louis, and C. H. Kunke, Gilbert's, Ill. Spoke-driving machine | Oct. 7, 1879 | 230 | 62 | 16 | 666 |
| | Ralph, John B. (*See* Andrews, Elvin D., assignor.) | | | | | |
| 215, 673 | Ramey, William T., Kiddville, Ky. Hame | May 20, 1879 | 808 | 237 | 15 | 820 |
| | Ramsey, Haley S. (*See* Beeman & Ramsey.) | | | | | |
| | Ramsey, Jonathan, jr. (*See* Norton & Ramsey.) | | | | | |
| 215, 294 | Ramsey, Robert C., Findley Township, Mercer County, Pa. Fence-post | May 13, 1879 | 389 | 115 | 15 | 754 |
| 220, 988 | Ramsey, Robert C., Mercer, Pa. Fence-post | Oct. 28, 1879 | 924 | 246 | 16 | 782 |
| 221, 100 | Ramus, Charles E., New York, and G. J. Gregerson, Brooklyn, N. Y. Converting vegetable fiber into papier-mache, &c | Oct. 28, 1879 | 1050 | ..... | 16 | 799 |
| 212, 981 | Rand, Abraham W., Philadelphia, Pa. Ventilating sewer-pipes and deodorizing the foul air therefrom | Mar. 4, 1879 | 248 | 68 | 15 | 328 |
| 218, 314 | Rand, Anders, Galveston, Tex. Bale-tie | Aug. 5, 1879 | 229 | 62 | 16 | 251 |
| 217, 706 | Rand, Charles N., Cedar Rapids, Iowa. Organ-reed | July 22, 1879 | 899 | 257 | 16 | 149 |
| | Rand, McNally & Co. (*See* Poole, William H., assignor.) | | | | | |
| 222, 796 | Randall, Andrew, assignor to A. Randall, Albany, N. Y. Horse-boot | Dec. 23, 1879 | 799 | 230 | 16 | 1150 |
| | Randall, Anna. (*See* Randall, Andrew, assignor.) | | | | | |
| 221, 355 | Randall, Charles A., Brooklyn, N. Y. Telephone-transmitter | Nov. 4, 1879 | 243 | 66 | 16 | 846 |
| 213, 838 | Randall, Francis W., Saint Paul, Minn. Grain-binder | Apr. 1, 1879 | 116 | 35 | 15 | 487 |
| 214, 791 | Randall, Henry W., Pawtucket, R. I. Cross-bow | Apr. 29, 1879 | 1268 | 355 | 15 | 666 |
| | Randall, John C. (*See* Smith & Randall.) | | | | | |
| | Randall, Reuben W. (*See* Graham, Edmund H., assignor.) | | | | | |
| | Randles, Samuel A., administrator. (*See* Pettis, Amos.) | | | | | |
| 211, 108 | Randolph, John S., Peoria, Ill., assignor of one-half interest to L. F. Menage, Minneapolis, Minn. Compound for artificial stone | Jan. 7, 1879 | 34 | ..... | 15 | 5 |
| 220, 658 | Randolph, Norman V., Richmond, Va. Pill-box | Oct. 14, 1879 | 516 | 136 | 16 | 712 |
| 216, 759 | Randolph, Theodore F., Cincinnati, Ohio. Surveying-instrument | June 24, 1879 | 867 | 246 | 15 | 1023 |
| 214, 190 | Raniville, Felix, and S. R. Sikes, Grand Rapids, Mich. Fly-net for horses | Apr. 8, 1879 | 533 | 152 | 15 | 547 |
| 9, 009 | Rank, Amos, Salem, Ohio. Grave-guard.....(Reissue) | Dec. 30, 1879 | 1285 | 363 | 16 | 1228 |
| 212, 744 | Rank, Lorenzo, Oswego, Ill. Anti-friction journal-bearing | Feb. 25, 1879 | 1075 | 299 | 15 | 280 |
| 211, 521 | Rankin, James S., Muskoda, Mich. School-desk | Jan. 21, 1879 | 524 | 147 | 15 | 70 |
| | Rankin, John C. (*See* Strieby & Rankin.) | | | | | |
| | Rankin, Matthew. (*See* Bolton, Strieby & Rankin.) | | | | | |
| 220, 419 | Rankin, Thomas L., Lyndon, Kans. Cover for soda-fountains shaped like icebergs, &c., and refrigerated to produce frost on their surfaces | Oct. 7, 1879 | 232 | 62 | 16 | 667 |
| 220, 420 | Same.....Ice-making apparatus | Oct. 7, 1879 | 233 | 62 | 16 | 667 |
| 220, 421 | Same.....Apparatus for producing and maintaining the ice-floor of a skating-rink | Oct. 7, 1879 | 234 | 62 | 16 | 667 |
| 220, 422 | Same.....Refrigerator-car | Oct. 7, 1879 | 235 | 63 | 16 | 667 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Rankin, William A. (*See* Way & Rankin.) | | | | | |
| 211, 669 | Rankin, William H., Elizabeth, N. J. Roofing | Jan. 28, 1879 | 710 | ..... | 15 | 98 |
| 211, 784 | Ranney, Daniel B., Golden, Colo. Overshoe or sandal | Jan. 28, 1879 | 841 | 235 | 15 | 115 |
| | Ranney, Eugene A. (*See* Seamans & Glezen, assignors.) | | | | | |
| 212, 053 | Ranney, John S., Grand Rapids, Mich. Burglar-alarm | Feb. 4, 1879 | 269 | 73 | 15 | 159 |
| | Ranney, Orrin. (*See* Willcox & Ranney.) | | | | | |
| | Ransom, Albert. (*See* Dyer, Edward B., assignor.) | | | | | |
| | Ransom, Albert, *et al.* (*See* Wemple, Andrew, assignor.) | | | | | |
| 219, 761 | Ransom, William H., Philadelphia, Pa. Sewer-gas consumer | Sept. 16, 1879 | 801 | 221 | 16 | 533 |
| 217, 239 | Raphael, Lippmann, Meadville, Pa. Lamp | July 8, 1879 | 359 | 106 | 16 | 58 |
| | Raplee, Sylvester W., *et al.* (*See* Way, Frederick H., assignor).....(Reissue.) | | | | | |
| 217, 405 | Rapp, Barnet R., West Chester, Pa. Machine for pressing and molding plastic material | July 8, 1879 | 533 | 153 | 16 | 79 |
| 214, 313 | Rapp, Christian F., assignor of one-half interest to F. Seidenspinner, Cincinnati, Ohio. Caster for tubs | Apr. 15, 1879 | 709 | 198 | 15 | 580 |
| 219, 518 | Rarey, Gamaliel S., Groveport, Ohio. Runner for corn-planters | Sept. 9, 1879 | 527 | 147 | 16 | 488 |
| 222, 839 | Rasar, Peter, Illiopolis, Ill. Neck-yoke | Dec. 23, 1879 | 851 | 245 | 16 | 1156 |
| 214, 842 | Rasmussen, Knud, assignor to D. W. Pond, Worcester, Mass. Belt-shifting mechanism | Apr. 29, 1879 | 1325 | 370 | 15 | 674 |
| 217, 406 | Ratcliff, Frederick, Birmingham, Conn. Combined calendar, rule, and match-case | July 8, 1879 | 534 | 153 | 16 | 80 |
| 215, 542 | Rate, Edward F., Tipton, Iowa. Corn-husking glove | May 20, 1879 | 664 | 193 | 15 | 801 |
| | Rathbun, Benjamin. (*See* Fowler, Benjamin F., assignor.) | | | | | |
| 221, 701 | Rathbun, Fay P., Hornellsville, N. Y. Hub-attaching device | Nov. 18, 1879 | 650 | 182 | 16 | 919 |
| 216, 060 | Rathbun, Reuben B., Norfolk, Va. Device for destroying insects by fumigation | June 3, 1879 | 58 | 16 | 15 | 892 |
| | Rather, Daniel, jr. (*See* Rather, Samuel and D., jr.) | | | | | |
| 219, 762 | Rather, Samuel and D., jr., Holly Springs, Miss. Smoke and cinder conductor for railway-trains | Sept. 16, 1879 | 802 | 221 | 16 | 533 |
| 220, 172 | Rathsam, George W., Indianapolis, Ind. Machine for making flyers for targets | Sept. 30, 1879 | 1291 | 355 | 16 | 617 |
| 218, 062 | Rauch, Jean, Frankfort-on-the-Main, Prussia, Germany. Telegraph-pole | July 29, 1879 | 1293 | 370 | 16 | 207 |
| | Raup, William. (*See* Crane & Raup.) | | | | | |
| 221, 473 | Raup, William, Park City, Utah. Guide for the stems of stamp-mills | Nov. 11, 1879 | 392 | 107, 108 | 16 | 875 |
| 220, 423 | Rausch, Philip, Marysville, Ohio. Apparatus for watering stock | Oct. 7, 1879 | 236 | 63 | 16 | 667 |
| 215, 295 | Rawbone, William G., Newark, N. J. Cartridge-closing machine | May 13, 1879 | 390 | 116 | 15 | 754 |
| 220, 771 | Same.....Cartridge-turning implement | Oct. 21, 1879 | 661 | 175 | 16 | 739 |
| 219, 827 | Rawson, Francis C., Elyria, Ohio. Coffin | Sept. 23, 1879 | 897 | 247 | 16 | 554 |
| 214, 191 | Rawson, Henry N., Brattleborough, Vt. Feather-renovator | Apr. 8, 1879 | 534 | 152 | 15 | 547 |
| 221, 356 | Rawson, Manly S., Jamaica, Vt. Folding wash bench or stand | Nov. 4, 1879 | 244 | 66 | 16 | 846 |
| | Ray, Henry B. (*See* Ray H. S. Geyer and H. B.) | | | | | |
| 213, 069 | Ray, H. S. Geyer and H. B., Carthage, Mo. Flour and meal chest with sifting attachment | Mar. 11, 1879 | 358 | 101 | 15 | 351 |
| 216, 456 | Ray, Moses, Valley Grove, W. Va. Churn-dasher | June 10, 1879 | 514 | 146 | 15 | 958 |
| 211, 587 | Raydt, Wilhelm, Hanover, Prussia. Raising sunken vessels, &c | Jan. 21, 1879 | 599 | 169 | 15 | 79 |
| | Raymond, Albert. (*See* Raymond, George and A.) | | | | | |
| | Raymond, Andrew. (*See* Wilson & Raymond.) | | | | | |
| 212, 262 | Raymond, Charles F., Birmingham, Ala. Tallow-cup | Feb. 11, 1879 | 503 | 140 | 15 | 193 |
| | Raymond, F. F., 2d, *et al.* (*See* McDonald, James W., assignor.) | | | | | |
| | Raymond, Freeborn F., 2d. (*See* Copeland & Raymond.) | | | | | |
| 212, 112 | Raymond, George and A., Waupun, Wis. Mechanical movement | Feb. 11, 1879 | 338 | 92 | 15 | 171 |
| 223, 166 | Same.....Burr for grinding-mills | Dec. 30, 1879 | 1229 | 347 | 16 | 1219 |
| 211, 670 | Raymond, Peter V. M., Waverly, Iowa. Railway-switch | Jan. 28, 1879 | 711 | 199 | 15 | 98 |
| | Raymond, Thomas B. (*See* Ladd, Raymond & Spencer.) | | | | | |
| | Raynolds & Co., C. T. (*See* Hamilton, Emery M., assignor.) | | | | | |
| | Raynolds, Lewis. (*See* Blake, Andrew M., assignor.) | | | | | |
| | Rea, J. H., *et al.* (*See* Harris, Elijah, assignor.) | | | | | |
| 223, 167 | Rea, Sampson, Urbana, Ill. Clothes-pounder | Dec. 30, 1879 | 1230 | 348 | 16 | 1220 |
| 220, 730 | Read, James J., Boston, Mass. Bracket | Oct. 21, 1879 | 608 | 162 | 16 | 733 |
| 8, 790 | Read, Josiah M., Boston, Mass. Stove-pipe damper.....(Reissue).. | July 8, 1879 | 576 | 166 | 16 | 85 |
| 8, 810 | Same.....Cooking-stove.....(Reissue).. | July 15, 1879 | 850 | 242 | 16 | 133 |
| 222, 600 | Read, Josiah M., Everett, Mass. Damper for stoves | Dec. 16, 1879 | 572 | 162 | 16 | 1106 |
| 216, 346 | Read, Josiah M., Boston, Mass. Spider | June 10, 1879 | 393 | 112 | 15 | 941 |
| 211, 261 | Read, Stephen G., and H. D. Kahler, Fawn Creek, Kans. Fire-extinguisher for car-stoves | Jan. 7, 1879 | 198 | 58 | 15 | 26 |
| 211, 522 | Read, William T., Chicot County, Ark. Cotton-harvester | Jan. 21, 1879 | 525 | 148 | 15 | 70 |
| 222, 601 | Reager, Francis M., Columbus, Tex. Elevated cable-railway | Dec. 16, 1879 | 572 | 163 | 16 | 1106 |
| 219, 763 | Reamer, George W., and E. Anderson, Forest Hill, Cal. Ore-furnace | Sept. 16, 1879 | 803 | 222 | 16 | 533 |
| | Reber, George K. (*See* Irwin & Reber.) | | | | | |
| | Rehmann, Godfrey, *et al.* (*See* Steel, Robert, assignor.) | | | | | |
| 220, 034 | Rechard, John S., York, Pa. Turbine water-wheel | Sept. 30, 1879 | 1125 | 311 | 16 | 594 |
| | Reckendorfer, Joseph. (*See* Benson, Henry, assignor.) | | | | | |
| | Same.....(*See* Hoffman, Joseph, assignor.) | | | | | |
| | Same.....same.....(Reissue.) | | | | | |
| | Same.....(*See* Wuensch, August, assignor.) | | | | | |
| 211, 182 | Record, Alphonso, assignor to self and E. G. Record, Farmington, Minn. Seed-planter. | Jan. 7, 1879 | 109 | 34 | 15 | 15 |
| | Record, E. G. (*See* Record, Alphonso, assignor.) | | | | | |
| 212, 674 | Record, George J., Conneaut, Ohio. Removable casing for butter-packages | May 20, 1879 | 809 | 237 | 15 | 820 |
| 212, 325 | Rector, Hector O., Youngsville, assignor of one-half interest to O. F. Silcott, Felicity, Ohio. Thill-supporter for vehicles | Feb. 18, 1879 | 586 | 163 | 15 | 207 |
| 211, 307 | Redding, William F., New York, N. Y. Inkstand | Jan. 14, 1879 | 280 | 83 | 15 | 37 |
| 214, 314 | Redfield, James H., Salem, Ind. Machine for purifying middlings | Apr. 15, 1879 | 710 | 198, 199 | 15 | 580 |
| 221, 899 | Same.....Mill-feeding apparatus | Nov. 18, 1879 | 884 | 247, 248 | 16 | 951 |
| 213, 775 | Redman, Robert S., and P. B. Conklin, Newark, N. J. Adjustable bracket | Apr. 1, 1879 | 48 | 15 | 15 | 479 |
| 218, 574 | Redmon, Hope, jr., assignor to self, H. D. Frisbie, and J. M. Clary, Cynthiana, Ky. Toe-weight for horses | Aug. 12, 1879 | 540 | 152 | 16 | 304 |
| 217, 483 | Redmond, Edmond, Rochester, N. Y. Decoy for wild fowl | July 15, 1879 | 632 | 189 | 16 | 104 |
| 220, 254 | Same.....Flying target | Oct. 7, 1879 | 50 | 13 | 16 | 641 |
| 216, 457 | Redmond, William, Greenville, S. C. Rotary valve | June 10, 1879 | 514 | 146 | 15 | 958 |
| 214, 523 | Redway, Albert J., Avondale, assignor to Redway & Burton, Cincinnati, Ohio. Damper | Apr. 22, 1879 | 964 | 271 | 15 | 620 |
| | Redway & Burton. (*See* Burton, Peet & Caven, assignors.) | | | | | |
| | Same.....(*See* Redway, Albert J., assignor.) | | | | | |
| 212, 054 | Reece, Jasper N., Springfield, Ill. Cartridge-carrier | Feb. 4, 1879 | 270 | 74 | 15 | 159 |
| | Reece, J. N. (*See* Chaffee, Reuben S., assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Reed & Barton. (*See* Beattie, William C., assignor.) | | | | | |
| | Same.....(*See* Leach, Thomas, assignor.) | | | | | |
| | Same.....same.....(Reissue.) | | | | | |
| 214, 524 | Reed, Charles M., Mount Pleasant, Wis. Clothes-pounder | Apr. 22, 1879 | 965 | 271 | 15 | 620 |
| 8, 730 | Reed, Cullin W., Chagrin Falls, Ohio. Steam-boiler and furnace.....(Reissue) | June 3, 1879 | 254 | 76 | 15 | 917 |
| 211, 183 | Reed, George P., Melrose, Mass. Combined watch-key, case-opener, and nail-cleaner | Jan. 7, 1879 | 110 | 35 | 15 | 16 |
| | Reed, J. Augustus, *et al.* (*See* Becker, William J., assignor.) | | | | | |
| 8, 752 | Reed, John C., Millvale, assignor to W. Yagle and A. Johnston, Pittsburg, Pa. Covering for steam-boilers.....(Reissue) | June 10, 1879 | 558 | 160 | 15 | 964 |
| 217, 147 | Reed, John J., assignor of two-thirds interest to W. A. McCutchen and D. B. Snyder, Lyons, Iowa. Windmill | July 1, 1879 | 245 | 72 | 16 | 34 |
| 220, 548 | Reed, John L., Canajoharie, N. Y. Pulley-block | Oct. 14, 1879 | 391 | 102 | 16 | 695 |
| | Reed, John V. (*See* Stowe, Benjamin L., assignor.) | | | | | |
| | Reed & Sons, James. (*See* Brieder, Charles W., assignor.) | | | | | |
| | Reed, Thomas W. (*See* Eggelston & Reed.) | | | | | |
| 218, 899 | Reed, William, Westville, assignor of one-half interest to D. L. Talbot, Fort Wayne, Ind. Commode | Aug. 26, 1879 | 949 | 266 | 16 | 379 |
| 212, 502 | Reed, William H., Chicago, Ill. Feed-regulator for carbureters | Feb. 18, 1879 | 797 | 220 | 15 | 235 |
| 219, 306 | Reed, William J., Danville, Pa. Coal-oil stove | Sept. 2, 1879 | 287 | 81 | 16 | 448 |
| 215, 677 | Reed, William S., Leominster, Mass. Toy wagon | May 20, 1879 | 812 | 238 | 15 | 821 |
| 219, 520 | Same.....Toy | Sept. 9, 1879 | 529 | 147 | 16 | 488 |
| 213, 934 | Reeder, William S., Saint Louis, Mo. Grain-separator | Apr. 1, 1879 | 215 | 63 | 15 | 500 |
| 213, 935 | Same.....Straw-carrier for grain-separators | Apr. 1, 1879 | 215 | 63 | 15 | 500 |
| 215, 676 | Reeder, William S., assignor to Kingsland, Ferguson & Co., Saint Louis, Mo. Cotton-gin | May 20, 1879 | 811 | 237 | 15 | 821 |
| 219, 764 | Rees, John, assignor of thirty-five one-hundredths interest to J. W. Boughner, Covington, Ky. Glass-pattern | Sept. 16, 1879 | 804 | 222 | 16 | 533 |
| 219, 765 | Reese, Abram, Pittsburg, Pa. Manufacture of hoes | Sept. 16, 1879 | 805 | 222 | 16 | 533 |
| 221, 422 | Reese, Adam R., Phillipsburg, N. J. Harvester | Nov. 11, 1879 | 331 | 91, 92 | 16 | 867 |
| 8, 599 | Reese, Charles, Baltimore, Md. Box.....(Reissue) | Feb. 25, 1879 | 1128 | 313 | 15 | 287 |
| 214, 448 | Same.....Mangle | Apr. 15, 1879 | 854 | 240 | 15 | 599 |
| 220, 866 | Same.....same | Oct. 21, 1879 | 758 | 202, 203 | 16 | 752 |
| 214, 192 | Reese, Henry, Baltimore, Md. Railway-tie | Apr. 8, 1879 | 535 | 152 | 15 | 548 |
| 215, 675 | Same.....same | May 20, 1879 | 809 | 237 | 15 | 820 |
| 217, 638 | Reese, Jacob, Pittsburg, Pa. Harrow | July 15, 1879 | 798 | 227 | 16 | 126 |
| 219, 519 | Same.....Dephosphorizing iron and steel | Sept. 9, 1879 | 527 | ..... | 16 | 488 |
| 213, 936 | Reese, John A., Seneca City, S. C. Burglar-alarm | Apr. 1, 1879 | 216 | 64 | 15 | 500 |
| | Reese, John H. (*See* Tenney & Reese.) | | | | | |
| | Reeves, Alfred B. (*See* Reeves, Marshal T. and A. B.) | | | | | |
| 213, 248 | Reeves, James E., Saint Joseph, Mo. Rest for carriage-bows | Mar. 11, 1879 | 563 | 156 | 15 | 377 |
| 214, 193 | Same.....Extension-joint for carriage-tops | Apr. 8, 1879 | 536 | 152 | 15 | 548 |
| 217, 484 | Reeves, Marshal T. and A. B., Columbus, Ind. Apparatus for opening and closing gates | July 15, 1879 | 633 | 180, 181 | 16 | 104 |
| 221, 190 | Reeves, Samuel H., Brooklyn, N. Y. Spring bed-bottom | Nov. 4, 1879 | 56 | 15 | 16 | 819 |
| 8, 819 | Regan, Bernard, deceased, P. H. Gunekel, administrator and assignor, by mesne assignments, to W. H. Nauman; said Nauman assignor of one-half interest to J. W. Stoddard & Co., Dayton, Ohio. Grain-drill.....(Reissue) | July 22, 1879 | 1056 | 302 | 16 | 170 |
| 221, 610 | Regan, Patrick H., Nashville, Tenn. Extension water-cock key | Nov. 11, 1879 | 547 | 151 | 16 | 897 |
| 8, 739 | Regester, Joshua, Baltimore, Md. Try-cock for steam-generators.....(Reissue) | June 3, 1879 | 269 | 80 | 15 | 918 |
| | Reiblein, Charles. (*See* Kindermann & Reiblein.) | | | | | |
| 212, 263 | Reich, William A., Salem, N. C. Churn | Feb. 11, 1879 | 504 | 140 | 15 | 193 |
| 217, 240 | Reichardt, Ferdinand A., New York, N. Y. Device for the preservation and use of volatile substances | July 8, 1879 | 360 | 106 | 16 | 58 |
| 213, 691 | Reichardt, Heinrich, Cologne, Germany. Tool for cutting pipes | Mar. 25, 1879 | 1049 | 298 | 15 | 457 |
| 213, 937 | Same.....Reamer | Apr. 1, 1879 | 217 | 64 | 15 | 501 |
| | Reichel, John. (*See* Bradford, Albert, assignor.) | | | | | |
| 214, 449 | Reichelderfer, Thomas, and P. W. Wertz, Longswamp (Mertztown, Post-Office) Pa. Vehicle-axle | Apr. 15, 1879 | 855 | 241 | 15 | 599 |
| 218, 576 | Reicheneker, William C., assignor of one-half interest to A. W. McIntire and F. H. Wright, Denver, Colo. Motor | Aug. 12, 1879 | 541 | 152 | 16 | 305 |
| 223, 007 | Reichhelm, Edward P., Jersey City Heights, and C. F. Koester, Hoboken, N. J. Crucible-furnace | Dec. 30, 1879 | 1048 | 300 | 16 | 1195 |
| 219, 018 | Reichling, Louis F., Oakland, Cal. Blacking-box holder | Aug. 26, 1879 | 1071 | 302 | 16 | 394 |
| | Reid, Adam. (*See* Scherer, Joseph, assignor.) | | | | | |
| 215, 296 | Reid, Henry N., Augusta, Ga. Cotton and hay press | May 13, 1879 | 390 | 116 | 15 | 754 |
| 222, 366 | Same.....Cotton-gin | Dec. 9, 1879 | 285 | 79 | 16 | 1058 |
| 219, 521 | Reid, James, Portland, Oreg. Miter-box | Sept. 9, 1879 | 530 | 148 | 16 | 488 |
| 221, 357 | Reid, J. Mowat, Moncton, Canada. Curing meats | Nov. 4, 1879 | 245 | 66 | 16 | 846 |
| | Reid, John Y. (*See* Blackhall, Edward W., assignor.) | | | | | |
| 220, 867 | Reid, Joseph, Monroe, La. Engine-governor and speed-regulator | Oct. 21, 1879 | 760 | 203 | 16 | 752 |
| | Reid, Oscar. (*See* Wetherill & Reid.) | | | | | |
| 219, 112 | Reid, Robert, Glasgow, Great Britain. Smoothing and polishing iron | Sept. 2, 1879 | 58 | 19 | 16 | 420 |
| | Reid, William C., *et al.* (*See* Boles & Hall, assignors.) | | | | | |
| 220, 868 | Reidy, James, Kennington Road, Surrey County, England. Ironing-machine | Oct. 21, 1879 | 761 | 203 | 16 | 752 |
| 215, 543 | Reiff, William H., Philadelphia, Pa. Toy detonator | May 20, 1879 | 664 | 193 | 15 | 801 |
| 216, 630 | Reilley, James R., Providence, R. I. Speed-regulating mechanism for cotton-sliver eveners | June 17, 1879 | 709 | 202, 203 | 15 | 992 |
| 214, 843 | Reilly, Hugh, Brooklyn, N. Y. Projectile for rifled guns | Apr. 29, 1879 | 1326 | 370 | 15 | 674 |
| 211, 257 | Reilly, Robert P., and W. P. Speller, New York, N. Y. Electro-magnetic turnstile-register | Jan. 7, 1879 | 193 | 56, 57 | 15 | 25 |
| 211, 785 | Reimers, William A., and J. Bierbauer, Mankato, Minn. Middlings-separator | Jan. 28, 1879 | 841 | 236 | 15 | 115 |
| 214, 194 | Reinhardt, Frederick, New York, N. Y. Comb | Apr. 8, 1879 | 536 | 153 | 15 | 548 |
| 215, 161 | Reinhardt, Luis, Havana, Cuba. Surface blow-off for steam-boilers | May 6, 1879 | 207 | 60 | 15 | 728 |
| 215, 678 | Reinhold, Charles, Prairie du Chien, Wis. Safety trace-catch for carriages | May 20, 1879 | 812 | 238 | 15 | 821 |
| 211, 190 | Reinlein y Sequera, Guillermo, and J. De Canterac y Dominguer, Madrid, Spain. Steam-generator | Jan. 7, 1879 | 134 | 39 | 15 | 17 |
| 218, 575 | Reis, Henry M., Philadelphia, Pa. Merchandise-tag | Aug. 12, 1879 | 541 | 152 | 16 | 305 |
| 214, 953 | Reisert, Edward, Cologne, Prussia, assignor to Schaeffer & Budenberg, Buckau, near Magdeburg, Germany. Grain-meter | Apr. 29, 1879 | 1435 | 399, 400 | 15 | 688 |
| 215, 160 | Same.....same | May 6, 1879 | 206 | 59 | 15 | 727 |
| 212, 982 | Reiser, Andrew S., White Rock, Tex. Cradle | Mar. 4, 1879 | 248 | 68 | 15 | 329 |
| | Reiss, Malvine. (*See* Dykes, James L., assignor.) | | | | | |
| | Remington & Sons, E. (*See* Cook & Rider, assignors.) | | | | | |
| | Same.....(*See* Hepburn, Lewis L., assignor.) | | | | | |
| | Remmel, Mathias. (*See* Remmel, Nicholas and M.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 223, 168 | Remmel, Nicholas and M., Kewaskum, Wis. Drilling-machine | Dec. 30, 1879 | 1231 | 348 | 16 | 1220 |
| 211, 786 | Remy, Noah T., Brookville, Ind. Wheel-cultivator | Jan. 28, 1879 | 845 | 236 | 15 | 115 |
| 219, 019 | Renard, Louis C., and C. M. De La Haye, Mendon Village, near Paris, France. Pneumatic grain-conveyer | Aug. 26, 1879 | 1072 | 302 | 16 | 394 |
| 214, 005 | Rench, William C., Royerton, Ind. Dog-power machine | Apr. 8, 1879 | 313 | 90 | 15 | 522 |
| | Rennolds, Henry T. (*See* Weber, John, jr., assignor.) | | | | | |
| 217, 957 | Reno, Eli, Chattanooga, Tenn. Circular sawing-machine | July 29, 1879 | 1181 | 338 | 16 | 192 |
| | Renouff, James T. (*See* Wright, Granville G., assignor.) | | | | | |
| | Renshaw, Lydie F. (*See* Tower, George B. N., assignor.) | | | | | |
| | Rentchler, Henry. (*See* Morgan, Elias M., assignor.) | | | | | |
| 215, 070 | Renwick, Edward S., Millburn, N. J. Chicken-brooder | May 6, 1879 | 95 | 29 | 15 | 715 |
| 217, 148 | Same ..... Incubator | July 1, 1879 | 246 | 72, 73 | 16 | 34 |
| 218, 401 | Renz, Carl J., Hudson, N. Y. Restoring moisture to grapes | Aug. 12, 1879 | 337 | ..... | 16 | 276 |
| 218, 063 | Repetti, Joseph, Vineland, assignor of two-thirds interest to A. Sinzheimer, Camden, N. J., and S. Deutsch, Philadelphia, Pa. Combined pulley, clutch, and brake | July 29, 1879 | 1294 | 370 | 16 | 207 |
| 220, 942 | Reppy, Charles D., Saint Louis, Mo. Printer's composing-stick | Oct. 28, 1879 | 861 | 231 | 16 | 775 |
| | Re Qua, Josephus. (*See* Alling & Re Qua.) | | | | | |
| 212, 055 | Requa, Elias B., Jersey City Heights, N. J. Removable nozzle for bottles | Feb. 4, 1879 | 271 | 74 | 15 | 159 |
| 212, 401 | Requa, Elias B., Jersey City, N. J. Lamp-burner | Feb. 18, 1879 | 671 | 188 | 15 | 218 |
| 219, 766 | Same ..... same | Sept. 16, 1879 | 805 | 222, 223 | 16 | 533 |
| | Resch, Ernest, *et al.* (*See* Mayrhofer, Charles A., assignor.) | | | | | |
| | Resener, Henry W. (*See* King, Charles A., assignor.) | | | | | |
| | Resor & Co., William. (*See* Truesdale, Charles, assignor.) | | | | | |
| 216, 891 | Retan, Olna, Pultney, N. Y. Car-coupling | June 24, 1879 | 1012 | 288 | 15 | 1041 |
| | Rettig, Albert, *et al.* (*See* Rettig, George, assignor) ..... (Reissue.) | | | | | |
| 8, 649 | Rettig, George, Chicago, Ill, assignor to A. Rettig and F. Benzinger. Coin-wrapper. (Reissue) | Apr. 1, 1879 | 353 | 74 | 15 | 505 |
| | Reum, Herman F., *et al.* (*See* Leavitt, William D., assignor.) | | | | | |
| 214, 315 | Revell, Nathaniel F., Le Mars, Iowa. Buckle | Apr. 15, 1879 | 711 | 199 | 15 | 580 |
| | Reversible Heel Company. (*See* Richardson, Frederick, assignor.) | | | | | |
| 213, 346 | Rew, Eugene, assignor of one-half interest to J. A. Rew, Friendship, N. Y. Oil-pump. | Mar. 18, 1879 | 682 | 191 | 15 | 401 |
| | Rew, Justice A. (*See* Rew, Eugene, assignor.) | | | | | |
| | Rex, A., *et al.* (*See* Butler, Hiram E., assignor.) | | | | | |
| 214, 450 | Reynolds, Alexander, Oswego, N. Y. Case for retailing oils | Apr. 15, 1879 | 855 | 241 | 15 | 599 |
| 216, 699 | Reynolds, Clarence J., Poughkeepsie, N. Y. Lemon-squeezer | June 17, 1879 | 782 | 223 | 15 | 1002 |
| 215, 773 | Reynolds, Davis B., New York, N. Y., assignor to D. Fobes, Cambridge, and L. Burnham, Woburn, Mass. Stool | May 27, 1879 | 922 | 270 | 15 | 844 |
| 220, 424 | Reynolds, Edwin, Milwaukee, Wis. Steam-boiler furnace | Oct. 7, 1879 | 236 | 63 | 16 | 667 |
| 216, 700 | Reynolds, Frank, and G. D. Hayes, Shelby, Iowa. Harness-coupling | June 17, 1879 | 783 | 223 | 15 | 1003 |
| 222, 950 | Reynolds, George H., New York, N. Y., and H. Haupt, Philadelphia, Pa. Pneumatic motor | Dec. 23, 1879 | 976 | 280 | 16 | 1175 |
| 211, 787 | Reynolds, Henry C., and W. H. Brown, Norfolk, Va. Barrel-cover attachment | Jan. 28, 1879 | 845 | 236 | 15 | 115 |
| 211, 588 | Reynolds, John B., assignor of one-half interest to C. H. Baker, San Francisco, Cal. Amalgamator | Jan. 21, 1879 | 602 | 169 | 15 | 80 |
| 211, 523 | Reynolds, John H., Troy, N. Y. Dust-guard for car-windows | Jan. 21, 1879 | 525 | 148 | 15 | 70 |
| 218, 064 | Same ..... same | July 29, 1879 | 1295 | 371 | 16 | 207 |
| | Reynolds, John R. (*See* Stannard, Reynolds & Curtis.) | | | | | |
| 214, 703 | Reynolds, John W., Espy, Pa. Grate | Apr. 22, 1879 | 1148 | 324 | 15 | 643 |
| | Reynolds, Rufus C. (*See* Rodes, Tyree, assignor.) | | | | | |
| 8, 746 | Reynolds, Samuel D., Rochelle, Ill. Horse-collar ..... (Reissue) | June 10, 1879 | 554 | 158 | 15 | 963 |
| 217, 902 | Same ..... same | July 29, 1879 | 1121 | 321 | 16 | 185 |
| 215, 975 | Reynolds, Samuel F., Auburn, N. Y. Harrow | May 27, 1879 | 1144 | 332 | 15 | 871 |
| 217, 149 | Reznor, George, assignor of one-half interest to R. R. Wright, Mercer, Pa. Gas-burner. | July 1, 1879 | 248 | 73 | 16 | 34 |
| 222, 797 | Rhea, Robert H., Douglassville, Tex. Corn and cotton planter | Dec. 23, 1879 | 801 | 230 | 16 | 1150 |
| 212, 745 | Rheutan, Abram A., assignor to W. H. Hill, Worcester, Mass. Drying attachment for envelope-machines | Feb. 25, 1879 | 1076 | 299 | 15 | 280 |
| 222, 735 | Rheutan, Garrie H., Hartford, Conn. Water-front for horizontal steam-boilers | Dec. 16, 1879 | 724 | 207 | 16 | 1129 |
| | Rhind, Frank. (*See* Shirley & Rhind.) | | | | | |
| 211, 931 | Rhind, Frank, Brooklyn, N. Y. Lamp | Feb. 4, 1879 | 121 | 35 | 15 | 141 |
| 217, 150 | Rhind, Frank, Brooklyn, N. Y., and F. S. Shirley, New Bedford, Mass., assignors of one-third interest to F. A. Lehmann, Washington, D. C. Magic lantern | July 1, 1879 | 249 | 73, 74 | 16 | 34 |
| 215, 836 | Rhines, George W., Ridgway, Pa. Nut-lock | May 27, 1879 | 999 | 291 | 15 | 853 |
| | Rhoades, Martin. (*See* Minot & Rhoades.) | | | | | |
| 214, 195 | Rhodes, Ezra, assignor to Selden & Griswold Manufacturing Company, Erie, Pa. Grinding-mill | Apr. 8, 1879 | 537 | 153 | 15 | 548 |
| | Rhodes, John A. (*See* Fairbank, John H., assignor.) | | | | | |
| 214, 451 | Rhodes, John H., Brooklyn, N. Y. Valve of tanks for supplying water to buildings | Apr. 15, 1879 | 856 | 241 | 15 | 599 |
| 214, 452 | Same ..... Supply and distributing pipe for water, gas, &c., under pressure | Apr. 15, 1879 | 857 | 241 | 15 | 599 |
| | Rhodes, Joshua. (*See* Nuttall, Joshua, assignor.) | | | | | |
| 219, 828 | Rhodes, Richard S., River Park, Ill. Audiphone | Sept. 23, 1879 | 897 | 247 | 16 | 554 |
| 222, 076 | Rhodes, Webster N., Memphis, Tenn. Machinery for operating churns | Nov. 25, 1879 | 1098 | 308 | 16 | 989 |
| 213, 070 | Rhodes, William H., Freeport, Ill. Grain and middlings separator | Mar. 11, 1879 | 359 | 101, 102 | 15 | 351 |
| | Rhoner, Frank. (*See* Travis, Joseph H., assignor.) | | | | | |
| 219, 522 | Rhule, Jacob, jr., Pittsburg, Pa. Oil-can | Sept. 9, 1879 | 531 | 148 | 16 | 488 |
| 217, 407 | Rhyn, Henry, Omaha, Nebr. Pipe-wrench | July 8, 1879 | 535 | 153 | 16 | 80 |
| 218, 195 | Same ..... same | Aug. 5, 1879 | 106 | 28 | 16 | 234 |
| 8, 961 | Same ..... same ..... (Reissue) | Nov. 11, 1879 | 594 | 166 | 16 | 904 |
| 223, 169 | Rials, Wilson E., Loreauville, La. Medical compound | Dec. 30, 1879 | 1232 | ..... | 16 | 1220 |
| | Riblet, Alfred K. (*See* Bostwick & Riblet.) | | | | | |
| 214, 954 | Ribon, Juan G., Jersey City, N. J. Cam for stamp-mills | Apr. 29, 1879 | 1439 | 400 | 15 | 689 |
| 212, 264 | Rice, Adolph B., Brooklyn, N. Y. Veneer-box machine | Feb. 11, 1879 | 504 | 141 | 15 | 193 |
| 215, 162 | Rice, Adolph B., assignor to B. Rice, Brooklyn, N. Y. Wood-veneer | May 6, 1879 | 208 | 60 | 15 | 728 |
| | Rice, Alfred L. (*See* Rice, George M., 2d, and A. L.) | | | | | |
| | Rice, Bernard. (*See* Rice, Adolph B., assignor.) | | | | | |
| 212, 265 | Rice, Bernard, Brooklyn, N. Y. Front for burial-robes | Feb. 11, 1879 | 505 | 141 | 15 | 193 |
| 213, 347 | Rice, Byron, West Schuyler, N. Y. Railway-switch | Mar. 18, 1879 | 683 | 192 | 15 | 401 |
| 219, 978 | Rice, Charles W., Columbus, Ohio. Hot-water heating apparatus | Sept. 23, 1879 | 1056 | 293 | 16 | 576 |
| | Rice, Edward. (*See* Wood, George P., assignor.) | | | | | |
| | Rice, Edward P., trustee. (*See* McCracken, Edwin D., assignor.) | | | | | |
| 211, 109 | Rice, George M., 2d, and A. L., Worcester, Mass. Separating animal from vegetable fibers | Jan. 7, 1879 | 35 | ..... | 15 | 5 |
| 211, 788 | Same ..... Apparatus for treating fibrous materials | Jan. 28, 1879 | 846 | 237 | 15 | 116 |
| 219, 523 | Rice, Harvey W., San Francisco, Cal. Portable-engine boiler | Sept. 9, 1879 | 532 | 148 | 16 | 488 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214, 196 | Rice, Henry C., Farmington, Conn. Muzzle for animals | Apr. 8, 1879 | 538 | 153 | 15 | 548 |
| 217, 408 | Rice, Henry C., Louisiana, Mo. Filter for tea and coffee | July 8, 1879 | 536 | 154 | 16 | 80 |
| 216, 974 | Rice, Israel L. G., Cambridge, assignor to A. C. Woodworth, Chicopee, Mass. Projectile | July 1, 1879 | 53 | 17 | 16 | 9 |
| | Rice, John E. (*See* Taylor & Rice.) | | | | | |
| 219, 308 | Rice, Robert C., New Castle, Pa. Churn-motor | Sept. 2, 1879 | 290 | 81 | 16 | 448 |
| 219, 524 | Rice, Solon D., Grant, Ky. Corn-stalk cutter | Sept. 9, 1879 | 533 | 149 | 16 | 489 |
| 215, 480 | Rice, Thomas G., assignor to R. W. Cowan, Montreal, Canada. Animal-trap | May 20, 1879 | 597 | 175 | 15 | 792 |
| 211, 789 | Rich, Augustus E., Fall River, Mass. Apparatus for effecting the escape of air from bottles | Jan. 28, 1879 | 849 | 237 | 15 | 116 |
| 214, 585 | Rich, Augustus E., Fall River, Mass. Bottle-stopper | Apr. 22, 1879 | 1027 | 289 | 15 | 628 |
| 218, 135 | Rich, Edwin S., New York, N. Y. Basin-faucet | Aug. 5, 1879 | 32 | 9 | 16 | 225 |
| | Richard, Gotlieb, *et al.* (*See* Maguire, George W., assignor.) | | | | | |
| 212, 056 | Richard, Jean E., assignor of one-half interest to J. S. Hulin, New York, N. Y. Supply-ventilator | Feb. 4, 1879 | 272 | 74 | 15 | 159 |
| 222, 307 | Richard, Joseph B., Columbus, Ohio. Door-bell | Dec. 2, 1879 | 213 | 56 | 16 | 1038 |
| 218, 196 | Richardi, Robert, Louisiana, Mo. Wood-shaping machine | Aug. 5, 1879 | 106 | 28 | 16 | 235 |
| | Richards, Almarin C., *et al.* (*See* Flautt, James S., assignor.) | | | | | |
| 212, 503 | Richards, Augustus C., Irvington, N. Y. Type-distributing machine | Feb. 18, 1879 | 798 | 221, 222, 223 | 15 | 235 |
| 212, 504 | Same.....Type-setting machine | Feb. 18, 1879 | 807 | 223, 224, 225 | 15 | 236 |
| 219, 113 | Richards, Charles, Cleveland, Ohio. Machine for punching nut-blank bars | Sept. 2, 1879 | 59 | 19 | 16 | 420 |
| 223, 170 | Richards, Charles V., Skowhegan, Me. Clasp | Dec. 30, 1879 | 1232 | 348 | 16 | 1220 |
| | Richards, Elias. (*See* Gohr & Richards.) | | | | | |
| 216, 701 | Richards, Frederick W., Attleborough, Mass. Button | June 17, 1879 | 783 | 224 | 15 | 1003 |
| 222, 736 | Richards, George, Philadelphia, Pa., assignor to Betts Machine Company, Wilmington, Del. Machine for grinding the sectors of circles | Dec. 16, 1879 | 725 | 208 | 16 | 1129 |
| 218, 577 | Richards, Hervey M., North Attleborough, Mass. Lunch and baggage check | Aug. 12, 1879 | 542 | 153 | 16 | 305 |
| 215, 164 | Richards, Hezekiah H., Racine, Wis. Wagon-body | May 6, 1879 | 210 | 60 | 15 | 728 |
| 222, 367 | Richards, James M., Brundidge, Ala. Cotton-scraper | Dec. 9, 1879 | 286 | 80 | 16 | 1058 |
| 219, 307 | Richards, John, Philadelphia, Pa. Micrometer-gage | Sept. 2, 1879 | 289 | 81 | 16 | 448 |
| 216, 167 | Richards, John M., London, England. Pill-machine | June 3, 1879 | 103 | 31 | 15 | 898 |
| | Richards, Otho P. (*See* Payne & Richards.) | | | | | |
| 212, 402 | Richards, Thomas, Cleveland, Ohio. Life-preserver | Feb. 18, 1879 | 673 | 188 | 15 | 219 |
| 221, 863 | Richards, Truman S., Woodman, Wis. Buckle | Nov. 18, 1879 | 846 | 237 | 16 | 946 |
| 222, 078 | Richardson, Benjamin, Houlton, Me. Seed-planter | Nov. 25, 1879 | 1100 | 309 | 16 | 990 |
| 221, 423 | Richardson, Benjamin F., Cincinnati, Ohio. Thill-coupling | Nov. 11, 1879 | 333 | 92 | 16 | 867 |
| | Richardson, Charles C., *et al.* (*See* Richardson, Lorenzo H., assignor.) | | | | | |
| 217, 639 | Richardson, Charles M., J. S. Gibbs, Bridgeport, Conn., and J. H. Macy, Harrison, N. Y., assignors, by mesne assignments, to L. H. Austin, Boston, Mass. Paper-bag machine | July 15, 1879 | 799 | 227, 228, 229 | 16 | 126 |
| | Richardson, Ellen D. (*See* Simonds, Nathan J., assignor) .....(Reissue.) | | | | | |
| 213, 938 | Richardson, Elton F., Reading, assignor to G. McKay and J. W. Brooks, trustees, Boston, Mass. Screw-wire for boots and shoes | Apr. 1, 1879 | 218 | 64 | 15 | 501 |
| 213, 348 | Richardson, Fred W., Troy, assignor of one-third interest to J. H. Parsons, New York, N. Y. Muffler for steam-boilers | Mar. 18, 1879 | 685 | 192 | 15 | 401 |
| 215, 242 | Same.....Safety-valve | May 13, 1879 | 314 | 92, 93 | 15 | 745 |
| 211, 524 | Richardson, Frederick, Providence, R. I. Boot and shoe | Jan. 21, 1879 | 526 | 148 | 15 | 70 |
| 215, 163 | Same.....Vent and check valve | May 6, 1879 | 209 | 60 | 15 | 728 |
| 219, 525 | Same.....Heel for boots and shoes | Sept. 9, 1879 | 534 | 149 | 16 | 489 |
| 219, 526 | Richardson, Frederick, assignor to Reversible Heel Company, Providence, R. I. Boot and shoe heel | Sept. 9, 1879 | 535 | 149 | 16 | 489 |
| 217, 551 | Richardson, George M., West Upton, Mass. Milk-jar | July 15, 1879 | 703 | 201 | 16 | 114 |
| | Richardson, Herbert W. (*See* Cross, John L., assignor.) | | | | | |
| 214, 052 | Richardson, James S., Montague, Mass. Head-rest for coffins | Apr. 8, 1879 | 374 | 106 | 15 | 528 |
| 219, 020 | Richardson, John, Ancaster Township, Wentworth County, Ontario, Canada. Thill-coupling | Aug. 26, 1879 | 1073 | 302 | 16 | 395 |
| | Richardson, John D. (*See* Howe, Milton G., assignor.) | | | | | |
| 217, 550 | Richardson, John D., Houston, Tex. Odometer | July 15, 1879 | 702 | 200 | 16 | 114 |
| 219, 527 | Richardson, John D., assignor to self and M. G. Howe, Houston, Tex. Speed and time recorder | Sept. 9, 1879 | 536 | 149, 150 | 16 | 489 |
| | Richardson, John P. (*See* Matthews & Richardson.) | | | | | |
| 218, 451 | Richardson, John T., Harrisburg, Pa. Railway-frog | Aug. 12, 1879 | 396 | 109 | 16 | 284 |
| | Richardson, Leonard. (*See* Breinig, Revere M., assignor.) | | | | | |
| | Same.....(*See* Chinnock, George H., assignor.) | | | | | |
| 215, 297 | Richardson, Lorenzo H., Westfield, Mass., assignor to H. Biggs and C. C. Richardson, Baltimore, Md. Top for carriages | May 13, 1879 | 393 | 116 | 15 | 755 |
| | Richardson, M. C. (*See* Johnson, Moses, assignor.) | | | | | |
| 221, 191 | Richardson, Orville P., Attleborough, Mass. Spindle for loom-shuttles | Nov. 4, 1879 | 57 | 15 | 16 | 820 |
| 218, 687 | Richardson, Robert R., Scranton, Pa. Fruit-jar fastener | Aug. 19, 1879 | 679 | 193 | 16 | 332 |
| 217, 485 | Richardson, Samuel M., assignor of one-half interest to A. T. Stahl, Boston, Mass. Boot and shoe heel | July 15, 1879 | 635 | 181 | 16 | 104 |
| 217, 486 | Richardson, Samuel M., Woburn, assignor of one-half interest to A. T. Stahl, Boston, Mass. Heel for boots and shoes | July 15, 1879 | 635 | 181 | 16 | 105 |
| 218, 774 | Richardson, Stephen H., assignor of two-fifths interest to J. C. Lamb and J. L. Moon, Springfield, Ill. Grain-binder | Aug. 19, 1879 | 774 | 219 | 16 | 344 |
| 222, 951 | Richardson, William H., Mobile, Ala. Swimming-machine | Dec. 23, 1879 | 978 | 281 | 16 | 1175 |
| 217, 151 | Richey, James, Tonica, Ill. Seeder | July 1, 1879 | 250 | 74 | 16 | 34 |
| | Richman, Alfred B. (*See* Murphin, Joseph, assignor.) | | | | | |
| 213, 134 | Richmann, Henry, San Francisco, Cal. Dental plugger | Mar. 11, 1879 | 439 | 122 | 15 | 361 |
| 214, 704 | Richmann, Henry, assignor of five-eighths interest to U. K. Arnold, San Francisco, Cal. Rock-drilling apparatus | Apr. 22, 1879 | 1149 | 324 | 15 | 644 |
| 217, 958 | Richmond, Almon B., Meadville, Pa. Lock | July 29, 1879 | 1182 | 338 | 16 | 193 |
| 222, 077 | Richmond, Daniel, Rochester, N. Y. Grate | Nov. 25, 1879 | 1099 | 309 | 16 | 989 |
| 212, 505 | Richmond, Enos, Troy, N. Y. Steak-tenderer | Feb. 18, 1879 | 812 | 225 | 15 | 237 |
| 214, 006 | Richmond, George G., Peekskill, assignor to M. Samelson, New York, N. Y. Garbage-sink | Apr. 8, 1879 | 314 | 90, 91 | 15 | 522 |
| 8, 821 | Richmond, Gilbert M., Chicago, Ill., assignor, by mesne assignments, to L. A. Watson, Ashtabula, Ohio. Method and machine for shaving or splitting and withing the shafts of feathers .....(Reissue) | July 22, 1879 | 1058 | 303 | 16 | 170 |
| 216, 366 | Richmond, Gilbert M., assignor to E. C. Webster and W. Hubbard, Chicago, Ill., and A. F. Hubbard, Ashtabula, Ohio. Machine for preparing feathers for dusters | June 10, 1879 | 412 | 118 | 15 | 944 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 219, 875 | Richmond, Henry, New York, N. Y. Toy dust pan and brush | Sept. 23, 1879 | 942 | 260 | 16 | 560 |
| 216, 218 | Richmond, Henry B., Deep River, assignor, by mesne assignments, to G. W. Bowker, Wethersfield, Conn. Strap attachment for blankets | June 3, 1879 | 219 | 65 | 15 | 912 |
| | Richmond, Jacob. (*See* Webb & Richmond.) | | | | | |
| | Richmond, Rome B. (*See* Bering, Colborne & Richmond.) | | | | | |
| | Richmond Stove Company. (*See* Ils, John G., assignor) (Reissue.) | | | | | |
| 213, 692 | Richmond, William H., Mount Pleasant, Mich. Force-pump | Mar. 25, 1879 | 1050 | 299 | 15 | 457 |
| 216, 807 | Richmond, William H., Scranton, Pa. Coal-breaking machinery | June 24, 1879 | 923 | 263 | 15 | 1030 |
| 214, 525 | Rickard, William T., San Francisco, Cal. Oxidizing and chloridizing furnace | Apr. 22, 1879 | 966 | 271 | 15 | 620 |
| | Ricker, Frank. (*See* Christy, Thomas J., assignor.) | | | | | |
| 218, 452 | Ricker, John W., Chelsea, Mass. Animal-tether | Aug. 12, 1879 | 397 | 109 | 16 | 284 |
| 218, 136 | Ricketts, William, Cincinnati, Ohio. Service-pipe box | Aug. 5, 1879 | 32 | 10 | 16 | 225 |
| 219, 767 | Riddle, Richard W., Minneapolis, Minn. Earth-closet | Sept. 16, 1879 | 807 | 223 | 16 | 533 |
| 218, 578 | Rideout, Henry A., assignor of two-thirds interest to O. B. and M. P. Rideout, Calais, Me. Device for kneading dough and working butter | Aug. 12, 1879 | 543 | 153 | 16 | 205 |
| | Rideout, Martha P., *et al.* (*See* Rideout, Henry A., assignor.) | | | | | |
| | Rideout, Oliver B., *et al.* (*See* Rideout, Henry A., assignor.) | | | | | |
| 219, 412 | Rider, Alexander K., assignor to T. J. Rider, Walden, N. Y. Apparatus for molding and casting heaters for air-engines | Sept. 9, 1879 | 419 | 116, 117 | 16 | 473 |
| 220, 309 | Same ..... Hot-air engine | Oct. 7, 1879 | 112 | 30 | 16 | 650 |
| | Rider, Helen A. (*See* Rider, John F. C., assignor.) | | | | | |
| 215, 481 | Rider, John F. C., assignor to H. A. Rider, South New Market, N. H. Water-pipe | May 20, 1879 | 597 | 175 | 15 | 792 |
| 218, 402 | Same ..... Screw-cutting die | Aug. 12, 1879 | 338 | 93 | 16 | 276 |
| 221, 253 | Same ..... Machine for making scroll-saws | Nov. 4, 1879 | 123 | 33 | 16 | 829 |
| | Rider, Joseph. (*See* Cook & Rider.) | | | | | |
| | Rider, Thomas J. (*See* Rider, Alexander K., assignor.) | | | | | |
| 222, 533 | Ridgeway, Andrew J., Mill Creek, W. Va. Burglar-alarm | Dec. 9, 1879 | 477 | 135 | 16 | 1083 |
| 214, 453 | Ridgway, William H., Sharptown, N. J. Medical compound | Apr. 15, 1879 | 859 | ..... | 15 | 599 |
| 220, 173 | Rieckert, Hermann A. J., New York, N. Y. Dressing-case bedstead | Sept. 30, 1879 | 1292 | 355, 356 | 16 | 617 |
| 216, 347 | Ried, Joseph, Jersey City Heights, N. J., assignor to L. Pattberg & Brothers, New York, N. Y. Back-brace for picture-frames | June 10, 1879 | 393 | 112 | 15 | 941 |
| 219, 829 | Riedel, Francis H., Jersey City Heights, N. J. Lighting device | Sept. 23, 1879 | 898 | 247 | 16 | 554 |
| 214, 586 | Riedel, Julius, Berlin, Prussia, Germany. Tobacco-pipe | Apr. 22, 1879 | 1028 | 290 | 15 | 628 |
| 214, 197 | Riehl, Henry, assignor of one-half interest to W. C. Clark, Philadelphia, Pa. Shuttle-box mechanism | Apr. 8, 1879 | 538 | 154 | 15 | 548 |
| 219, 309 | Riesel, Henry, Galveston, Tex. Hydraulic packing | Sept. 2, 1879 | 291 | 82 | 16 | 448 |
| 218, 453 | Rigby, James, Montreal, Quebec, Canada. Car-wheel | Aug. 12, 1879 | 398 | 109 | 16 | 284 |
| 221, 358 | Righter, Charles A., New York, N. Y. Button-card | Nov. 4, 1879 | 246 | 67 | 16 | 846 |
| 214, 454 | Righter, Thomas M., Sandy Run, Pa. Rope-sheave | Apr. 15, 1879 | 859 | 242 | 15 | 599 |
| 217, 152 | Riker, David, Chattanooga, Tenn. Quilting attachment for sewing-machines | July 1, 1879 | 251 | 74 | 16 | 35 |
| 222, 602 | Riker, William, Clinton Township, Essex County, N. J. Sash-fastener | Dec. 16, 1879 | 575 | 164 | 16 | 1106 |
| 213, 450 | Rilatt, Joseph, Petty's Island, N. J. Bilge-pump for vessels | Mar. 18, 1879 | 781 | 220 | 15 | 415 |
| 218, 315 | Riley, Edward, London, Great Britain. Manufacture of refractory bricks, crucibles, &c. | Aug. 5, 1879 | 230 | ..... | 16 | 251 |
| 215, 774 | Riley, George W., Frankton, Ind. Sulky-harrow | May 27, 1879 | 922 | 271 | 15 | 844 |
| 212, 624 | Riley, John M., Kearney Township, Essex County, N. J. Pocket-book fastening | Feb. 25, 1879 | 959 | 265 | 15 | 264 |
| 217, 409 | Riley, Joseph W., Hollidaysburg, Pa. Side-truss for bridges | July 8, 1879 | 536 | 154 | 16 | 80 |
| | Riley, Peter. (*See* Wilkinson, Allison, Riley & Mochamer.) | | | | | |
| 222, 737 | Rincklake, August, Brunswick, Germany. Lamp | Dec. 16, 1879 | 726 | 208 | 16 | 1129 |
| 222, 534 | Riney, Thomas L., Laddonia, Mo. Wheel-plow | Dec. 9, 1879 | 478 | 135 | 16 | 1083 |
| 214, 316 | Ring, Constant Q., Boston, Mass. Card-holding device for street-cars | Apr. 15, 1879 | 712 | 199 | 15 | 580 |
| 221, 611 | Ringstad, Niels P., Mankato, Minn. Parallel-vise | Nov. 11, 1879 | 548 | 151 | 16 | 897 |
| 214, 053 | Ripley, Daniel C., Pittsburg, Pa. Method and apparatus for forming and finishing glassware | Apr. 8, 1879 | 375 | 106 | 15 | 529 |
| 214, 054 | Same ..... Shaper and finisher for pitchers and like articles of glassware | Apr. 8, 1879 | 377 | 106 | 15 | 529 |
| | Ripley, David M., *et al.* (*See* Dickey, William D., assignor.) | | | | | |
| 221, 359 | Ripley, James W., Columbia, Mo. Letter-package clasp | Nov. 4, 1879 | 246 | 67 | 16 | 847 |
| 8, 760 | Riplinger, John, assignor, by mesne assignments, of part interest to J. A. Keen and E. R. Hiett, La Fayette, Ind. Stove-lining (Reissue) | June 17, 1879 | 806 | 231 | 15 | 1006 |
| 212, 266 | Riplinger, John, assignor of one-half interest to J. J. Keen, La Fayette, Ind. Stove-lining | Feb. 11, 1879 | 506 | 141 | 15 | 193 |
| | Risdon, Charles R. (*See* Hughes & Risdon.) | | | | | |
| | Risher, Daniel. (*See* McClure, Daniel R., assignor.) | | | | | |
| | Risher, Daniel, *et al.* (*See* Miller, John F., assignor.) | | | | | |
| 212, 506 | Risher, Daniel, jr., Dravosburg, Pa. Lock-gate | Feb. 18, 1879 | 813 | 225, 226 | 15 | 237 |
| 220, 989 | Risley, Lewis V., assignor of one-half interest to N. S. Hayes, New Hartford, N. Y. Kiln for drying hops | Oct. 28, 1879 | 925 | 247 | 16 | 783 |
| 216, 458 | Risser, Morris H., Homerville, Ohio. Thill-coupling | June 10, 1879 | 515 | 147 | 15 | 958 |
| 215, 243 | Ritchell, Charles F., Bridgeport, Conn. Nut-cracker | May 13, 1879 | 315 | 93 | 15 | 745 |
| 218, 065 | Ritchie, Alexander, San Francisco, Cal. Rotary measure | July 29, 1879 | 1296 | 371 | 16 | 207 |
| 221, 101 | Ritchie, Matthew L., New York, N. Y. Die for welding and reducing tubes | Oct. 28, 1879 | 1051 | 278 | 16 | 799 |
| 211, 258 | Ritchie, William, Brooklyn, N. Y. Locking-up device for printing-presses | Jan. 7, 1879 | 195 | 57 | 15 | 25 |
| | Ritchie, William C. (*See* Wilson, Merrick F., assignor.) | | | | | |
| 215, 976 | Ritchie, William C., Chicago, Ill. Paper vessel | May 27, 1879 | 1145 | 332 | 15 | 871 |
| 212, 983 | Riter, Thomas B., Pittsburg, Pa. Portable storage-tank | Mar. 4, 1879 | 249 | 68 | 15 | 329 |
| 222, 308 | Rittenhouse, Samuel M., Pioneer, Ohio. Windmill | Dec. 2, 1879 | 213 | 56 | 16 | 1038 |
| 217, 959 | Ritter, Engen, Ehrenfeld, near Cologne, Germany. Case for preserving and transporting powder | July 29, 1879 | 1183 | 339 | 16 | 193 |
| 221, 360 | Ritty, James and J., Dayton, Ohio. Cash register and indicator | Nov. 4, 1879 | 247 | 67 | 16 | 847 |
| | Ritty, John. (*See* Ritty, James and J.) | | | | | |
| 221, 974 | Ritty, Sebastian, assignor of part interest to J. Dodds and T. Mathewson, Dayton, Ohio. Horse hay-rake | Nov. 25, 1879 | 992 | 278 | 16 | 974 |
| | Riverside Iron Works. (*See* Griffen & Weeks, assignors) (Reissue.) | | | | | |
| 215, 298 | Rix, George K., Chicago, Ill., assignor to Clinton Wire Cloth Company. Clinton, Mass. Angle-plate | May 13, 1879 | 393 | 116 | 15 | 755 |
| 220, 869 | Roane, William H., Pine Bluff, Ark. Bale-tie | Oct. 21, 1879 | 762 | 203 | 16 | 752 |
| 221, 612 | Robb, Byron H., Newport, Ky. Galvanic brush | Nov. 11, 1879 | 548 | 151 | 16 | 897 |
| | Robb, John. (*See* Coler, William, assignor.) | | | | | |
| | Robb, William D. (*See* Pringle & Robb.) | | | | | |
| 214, 455 | Robbins, Edwin A., Fairfield, Me. Carriage-wrench | Apr. 15, 1879 | 860 | 242 | 15 | 599 |
| 214, 792 | Robbins, Elisha F., Reading, Mass. Anchor-shoe | Apr. 29, 1879 | 1269 | 355 | 15 | 666 |
| 217, 820 | Robbins, Henry R., assignor to self and Bartlett, Robbins & Co., Baltimore, Md. Letter-box | July 22, 1879 | 1016 | 291, 292 | 16 | 164 |

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| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 220, 661 | Robbins, Henry R., assignor to self and J. E. Stansbury, Baltimore, Md. Fare-box for street-cars | Oct. 14, 1879 | 518 | 137 | 16 | 712 |
| 222, 310 | Robbins, Ira, Camden, N. J. Card-printing machine | Dec. 2, 1879 | 215 | 57 | 16 | 1038 |
| 221, 864 | Robbins, James, London, Great Britain. Joint for water and other pipes | Nov. 18, 1879 | 847 | 237 | 16 | 946 |
| | Robbins, Joseph A. (*See* Hill, Warren S., assignor.) | | | | | |
| 211, 259 | Robbins, Joseph A., Boston, assignor, by mesne assignments, to J. Webster, Salem, Mass. Planing-saw | Jan. 7, 1879 | 196 | 57 | 15 | 26 |
| 211, 346 | Robbins, Joseph A., and I. C. Bumpus, Boston, assignors to J. Webster, trustee, Salem, Mass. Saw | Jan. 14, 1879 | 325 | 96 | 15 | 42 |
| 217, 022 | Robbins, Louis S., Elizabeth, N. J., assignor to S. E. Haskin, Steuben County, N. Y. Process and apparatus for treating wood or lumber | July 1, 1879 | 102 | 30 | 16 | 16 |
| 218, 454 | Robbins, Richard B., Adrian, Mich. Cultivator | Aug. 12, 1879 | 399 | 110 | 16 | 285 |
| 211, 184 | Robert, Arthur, Paris, France. Machine for cutting corks | Jan. 7, 1879 | 111 | 35, 36 | 15 | 16 |
| 220, 659 | Roberts, Adna B., and L. Lyons, Manchester, N. H. Loom-shuttle | Oct. 14, 1879 | 517 | 137 | 16 | 712 |
| 212, 507 | Roberts, Ammi J., Clinton, Wis. Spoke-tenoning machine | Feb. 18, 1879 | 815 | 226 | 15 | 237 |
| | Roberts, Charles, *et al.* (*See* Atwater, Richard M., assignor.) | | | | | |
| 217, 153 | Roberts, Charles D, assignor of one-half interest to W. H. Maxwell, Fairfield, Ill. Clothes-pounder | July 1, 1879 | 251 | 74 | 16 | 35 |
| 216, 893 | Roberts, Charles H., Evansville, Ind. Saw-mill dog | June 24, 1879 | 1015 | 289 | 15 | 1041 |
| | Roberts, Edward A. L. (*See* Gassett, Lovel O., assignor.) | | | | | |
| | Same (*See* Roberts, Owen M., assignor.) | | | | | |
| | Roberts, Edward F. (*See* Goodwin & Roberts.) | | | | | |
| 213, 451 | Roberts, Edward P., Elizabeth, N. J. Toy | Mar. 18, 1879 | 782 | 220 | 15 | 415 |
| 217, 640 | Roberts, Ferdinand C., and B. A. Hathaway, Chicago, Ill. Adjustable perforating-stamp | July 15, 1879 | 803 | 229 | 16 | 126 |
| 218, 900 | Roberts, George P., Columbus, Ohio. Harmonic attachment to piano-fortes | Aug. 26, 1879 | 950 | 266 | 16 | 379 |
| | Roberts & Havell. (*See* Havell, George, assignor) (Reissue.) | | | | | |
| 220, 090 | Roberts, Isaac N., Norristown, assignor to W. H. Lawson, Honey Brook, Pa. Thill-coupling | Sept. 30, 1879 | 1205 | 332 | 16 | 605 |
| | Roberts, James H. (*See* Green & Roberts.) | | | | | |
| 211, 432 | Roberts, John G., Springfield, Ill., and S. E. Worrell, Hannibal, Mo. Machine for drying grain, &c | Jan. 14, 1879 | 421 | 119 | 15 | 54 |
| 222, 311 | Roberts, John L., West Plains, Mo. Corn planter and drill | Dec. 2, 1879 | 216 | 57 | 16 | 1039 |
| 216, 702 | Roberts, Monington, Westfield, N. J. Sheave for sliding doors | June 17, 1879 | 784 | 224 | 15 | 1003 |
| 219, 980 | Roberts, Owen M., Bradford, assignor to self and E. A. L. Roberts, Titusville, Pa. Coupling for pipe, tubing, &c | Sept. 23, 1879 | 1058 | 293 | 16 | 577 |
| | Roberts, Pulaski, *et al.* (*See* Van Osdel, Oliver W., assignor.) | | | | | |
| 216, 892 | Roberts, Theodore H., assignor to Michigan Stove Company, Detroit, Mich. Reservoir cook-stove | June 24, 1879 | 1014 | 288, 289 | 15 | 1041 |
| 213, 249 | Roberts, Theophilus N., Columbia, S. C. Alarm-lock | Mar. 11, 1879 | 563 | 157 | 15 | 377 |
| 216, 219 | Same ..... same | June 3, 1879 | 220 | 65 | 15 | 913 |
| 216, 576 | Same ..... Fire-alarm | June 17, 1879 | 651 | 185 | 15 | 984 |
| | Roberts, Thomas, *et al.* (*See* Cord, John T., assignor.) | | | | | |
| 214, 317 | Roberts, Thomas E., Boston, assignor to A. L. Wood, trustee, Brookline, Mass. Shuttle for looms | Apr. 15, 1879 | 713 | 199 | 15 | 580 |
| 211, 589 | Roberts, Thomas H., Stratford, Ontario, Canada. Tube-welding machine | Jan. 21, 1879 | 604 | 170 | 15 | 80 |
| 217, 410 | Robertson, Harvey G., Asheville, N. C. Soap | July 8, 1879 | 537 | ..... | 16 | 80 |
| 217, 746 | Robertson, Henry A., Haskins, Ohio. Carriage-top prop | July 22, 1879 | 938 | 269 | 16 | 154 |
| 222, 840 | Robertson, Hugh C., Chelsea, Mass. Cover for tea and coffee pots | Dec. 23, 1879 | 851 | 245 | 16 | 1157 |
| 8, 542 | Robertson, James, Lasswade, Scotland, assignor, by mesne assignments, to Ashmun Screen Plate Company, Paterson, N. J. Process for renewing, and apparatus for repairing, knotter, strainer, or screen plates of paper-machines (Reissue) | Jan. 14, 1879 | 447 | 126 | 16 | 1038 |
| 217, 747 | Robertson, James, East Cambridge, Mass. Animal-clamping hook | July 22, 1879 | 939 | 269 | 16 | 154 |
| 221, 361 | Same ..... Rope-clamping hook | Nov. 4, 1879 | 251 | 68 | 16 | 847 |
| 222, 952 | Robertson, James, assignor to Hylard & Co., East Cambridge, Mass. Slaughter house and apparatus | Dec. 23, 1879 | 978 | 281 | 16 | 1175 |
| | Robertson, James B. (*See* Phinney & Robertson.) | | | | | |
| 222, 309 | Robertson, James H., Brooklyn, N. Y. Button and fastening | Dec. 2, 1879 | 214 | 56 | 15 | 58 |
| 212, 985 | Robertson, James W., Friend, Nebr. Pump | Mar. 4, 1879 | 251 | 69 | 15 | 329 |
| 214, 055 | Robertson, John A., Oakland, Cal. Extracting precious metals from ores | Apr. 8, 1879 | 378 | ..... | 15 | 529 |
| 218, 316 | Robertson, John H., and J. E. Steger, New York, N. Y. Heater for vehicles | Aug. 5, 1879 | 231 | 62 | 16 | 252 |
| 212, 984 | Robertson, Joseph M., Dirt Town, Ga. Bale-tie | Mar. 4, 1879 | 251 | 69 | 15 | 329 |
| 216, 459 | Robertson, Richard S., Pittsburg, Pa. Hydrocarbon-furnace | June 10, 1879 | 516 | 147 | 15 | 958 |
| 222, 156 | Same ..... Hydrocarbon-burner | Dec. 2, 1879 | 44 | 11 | 16 | 1015 |
| 220, 662 | Robins, Erastus, Troy, Ohio. Gate | Oct. 14, 1879 | 519 | 137 | 16 | 712 |
| 220, 731 | Robins, Oliver W., Cedar Rapids, Iowa. Dough-kneader | Oct. 21, 1879 | 608 | 162 | 16 | 733 |
| | Robinsohn, Fanny. (*See* Robinsohn, William, assignor.) | | | | | |
| 221, 743 | Robinson, William, assignor to F. Robinsohn, Cincinnati, Ohio. Fan attachment | Nov. 18, 1879 | 699 | 196 | 16 | 926 |
| 216, 293 | Robinson, Abraham, Chicago, Ill. Apparatus for steaming leaf-tobacco | June 10, 1879 | 325 | 96 | 15 | 933 |
| | Robinson, Albert S., *et al.* (*See* Clarke, R. Phillips, assignor.) | | | | | |
| 216, 703 | Robinson, Alpheus A., Birmingham, Conn. Adjustable center for lathes | June 17, 1879 | 785 | 224 | 15 | 1003 |
| 214, 456 | Robinson, Baler, Iuka, Miss. Wagon-brake | Apr. 15, 1879 | 861 | 242 | 15 | 599 |
| 222, 841 | Robinson, Charles, Cambridgeport, Mass. Cigar-holder | Dec. 23, 1879 | 852 | 245 | 16 | 1157 |
| 212, 508 | Robinson, Charles E., Brooklyn, N. Y. Furnace for roasting ores | Feb. 18, 1879 | 816 | 226 | 15 | 237 |
| 221, 362 | Robinson, Charles W., Battle Creek, Mich. Clothes-pounder | Nov. 4, 1879 | 251 | 68 | 16 | 847 |
| 223, 008 | Robinson, Clark, Eau Claire, Wis. Carriage-seat lock | Dec. 30, 1879 | 1049 | 301 | 16 | 1196 |
| 218, 641 | Robinson, Edgar, Dennison, Ohio. Oil-cup | Aug. 19, 1879 | 631 | 178 | 16 | 325 |
| 219, 310 | Same ..... Balance slide-valve | Sept. 2, 1879 | 292 | 82 | 16 | 449 |
| 219, 597 | Same ..... Balancee slide-valve | Sept. 16, 1879 | 617 | 172 | 16 | 507 |
| 220, 990 | Robinson, Edgar, and J. W. Rusk, Dennison, Ohio. Car-axle box | Oct. 28, 1879 | 926 | 247 | 16 | 783 |
| | Robinson, Edson C. (*See* Robinson, John S. and E. C.) | | | | | |
| 221, 363 | Robinson, Edwin A., Attleborough, Mass. Button and stud | Nov. 4, 1879 | 252 | 68 | 16 | 847 |
| 217, 903 | Robinson, Francis W., Richmond, Ind. Thrashing-machine | July 29, 1879 | 1123 | 322 | 16 | 185 |
| 220, 660 | Same ..... Steam-engine governor | Oct. 14, 1879 | 517 | 137 | 16 | 712 |
| | Robinson, George H., *et al.* (*See* Meyer, George F., assignor.) | | | | | |
| 222, 738 | Robinson, James A., Nashville, Tenn. Cylinder-cock | Dec. 16, 1879 | 727 | 208 | 16 | 1129 |
| 216, 975 | Robinson, James W., Boston, Mass. Calendar | July 1, 1879 | 54 | 17 | 16 | 9 |
| 213, 939 | Robinson, John, Ottumwa, Iowa. Horseshoe-weight | Apr. 1, 1879 | 219 | 64 | 15 | 501 |
| | Robinson, John E. (*See* Oliver, Robert W., assignor.) | | | | | |
| 8, 786 | Robinson, John K., Washington, D. C., and D. A. Strong, Chicago, Ill. Packing for deep wells (Reissue) | July 1, 1879 | 303 | 89 | 16 | 42 |
| 221, 975 | Robinson, John S. and E. C., Canandaigua, N. Y. Plow | Nov. 25, 1879 | 992 | 278 | 16 | 975 |
| 218, 901 | Robinson, Joseph C., Titusville, Pa. Oil-still | Aug. 26, 1879 | 952 | 266, 267 | 16 | 379 |
| 221, 742 | Robinson, Joseph M., Eureka Mill, Cal. Mining-sluice | Nov. 18, 1879 | 697 | 195 | 16 | 926 |

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| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 221, 613 | Robinson, Peter S., Cedar Falls, Iowa. Shutter-worker | Nov. 11, 1879 | 549 | 151 | 16 | 897 |
| 213, 250 | Robinson, Samuel A., Grand Ledge, Mich. Boot-upper | Mar. 11, 1879 | 565 | 157 | 15 | 378 |
| 218, 688 | Robinson, Willard E., Providence, R. I. Button and stud | Aug. 19, 1879 | 680 | 193 | 16 | 332 |
| | Robinson, William A., *et al.* (*See* Sheed, George, assignor.) | | | | | |
| | Robinson, William H., *et al.* (*See* Hawley, Samuel F., assignor.) | | | | | |
| | Robinson, Winslow. (*See* Cziner, Max, assignor.) | | | | | |
| 213, 071 | Robirds, Oby, Saint Louis, Mo. Vehicle-axle and box | Mar. 11, 1879 | 361 | 102 | 15 | 352 |
| 218, 642 | Robison, Charles W., assignor to B. Robison, Allegheny, Pa. Fork | Aug. 19, 1879 | 632 | 178 | 16 | 325 |
| 219, 979 | Robison, George E., Moravia, N. Y. Revolving-head wheel-rake | Sept. 23, 1879 | 1057 | 293 | 16 | 577 |
| | Robison, Ida B. (*See* Robison, Charles W., assignor.) | | | | | |
| 218, 579 | Robison, Joseph, sr., Birmingham, Conn. Lamp-stand | Aug. 12, 1879 | 544 | 153 | 16 | 305 |
| 220, 174 | Robson, James, North Shield, Northumberland County, England. Gas-engine | Sept. 30, 1879 | 1293 | 356 | 16 | 617 |
| 218, 580 | Roby, Christopher, Chelmsford, Mass. Scythe | Aug. 12, 1879 | 544 | 153 | 16 | 305 |
| 218, 137 | Roche, Thomas C., Brooklyn, assignor to E. & H. T. Anthony & Co., New York, N. Y. Photo-mechanical printing | Aug. 5, 1879 | 34 | ..... | 16 | 225 |
| 219, 652 | Rock, Alexander D., Eureka, Nev. Egg-carrier | Sept. 16, 1879 | 689 | 191 | 16 | 517 |
| | Rockefeller, Simon. (*See* Kay & Rockefeller.) | | | | | |
| 215, 978 | Rockenbach, Friedrich, Keokuk, Iowa. Automatic fan | May 27, 1879 | 1147 | 333 | 15 | 872 |
| 211, 932 | Rockwell, Samuel, Baltimore, Md., assignor to G. Trull, trustee, New York, N. Y. Button-hole attachment for sewing-machines | Feb. 4, 1879 | 122 | 35, 36 | 15 | 142 |
| | Rockwood, Thomas J., *et al.* (*See* Thomas, Charles N., assignor.) | | | | | |
| 214, 705 | Rockwood, Thomas J., Leominster, Mass. Lathe for turning buttons | Apr. 22, 1879 | 1152 | 324 | 15 | 644 |
| 213, 776 | Rodda, William, Bennington Furnace, Pa. Double-acting pump | Apr. 1, 1879 | 48 | 16 | 15 | 479 |
| 211, 790 | Rodebaugh, George W., Detroit, Mich. Saw-mill dog | Jan. 28, 1879 | 850 | 238 | 15 | 116 |
| 212, 746 | Rodenhausen, George W., assignor of one-half interest to L. Rodenhausen, Philadelphia, Pa. Chute for coal-wagons | Feb. 25, 1879 | 1078 | 299 | 15 | 281 |
| | Rodenhausen, Leonhard. (*See* Rodenhausen, George W., assignor.) | | | | | |
| | Roder, Johannes E. (*See* Wiese & Roder.) | | | | | |
| | Roderick, James A. (*See* Roderick, Levi and J. A.) | | | | | |
| 212, 509 | Roderick, James A., Chauncey, Ill. Corn-planter | Feb. 18, 1879 | 818 | 226 | 15 | 238 |
| 220, 175 | Roderick, Levi and J. A., Chauncey, Ill. Gearing for operating force-pumps | Sept. 30, 1879 | 1294 | 356 | 16 | 617 |
| 219, 981 | Rodes, Tyree, assignor to self and R. C. Reynolds, Wales Station, Tenn. Gate | Sept. 23, 1879 | 1059 | 293 | 16 | 577 |
| 8, 839 | Rodgers, William H., Brooklyn, N. Y., assignor to McLoughlin Brothers. Electric letter-box (Reissue) | Aug. 5, 1879 | 293 | 79 | 16 | 260 |
| 214, 007 | Rodgers, William H., Brooklyn, assignor to McLoughlin Brothers, New York, N. Y. Electric letter-box | Apr. 8, 1879 | 315 | 91 | 15 | 522 |
| 217, 023 | Same.....Connecter for battery-carbons | July 1, 1879 | 105 | 30 | 16 | 16 |
| 218, 197 | Same.....Electric letter-box | Aug. 5, 1879 | 108 | 29 | 16 | 235 |
| 215, 775 | Rodgers, William W., Hartland, Vt., assignor to self and H. D. Dunbar. Butter-package | May 27, 1879 | 923 | 271 | 15 | 844 |
| 212, 986 | Rodier, Louis C., assignor to Laflin Manufacturing Company, Westfield, Mass. Bench-plane | Mar. 4, 1879 | 252 | 69, 70 | 15 | 329 |
| 221, 614 | Roebuck, Samuel, New York, N. Y. Weather-strip | Nov. 11, 1879 | 550 | 152 | 16 | 898 |
| 213, 940 | Roedern, George O. V., Indianola, Tex. Piano-forte action | Apr. 1, 1879 | 219 | 65 | 15 | 501 |
| 215, 977 | Same.....same | May 27, 1879 | 1146 | 333 | 15 | 871 |
| 216, 894 | Rogers, Albert G., and H. M. Freeman, Lathrop, Mo. Hedge-trimmer | June 24, 1879 | 1016 | 289 | 15 | 1042 |
| 219, 021 | Rogers, Andrew W., Salem, Mass. Boot and shoe sole edge setting machine | Aug. 26, 1879 | 1073 | 302 | 16 | 395 |
| 212, 267 | Rogers, Charles, Allegheny, Pa. Steam-vacuum pump | Feb. 11, 1879 | 507 | 141 | 15 | 193 |
| 214, 587 | Rogers, Charles D., assignor to American Screw Company, Providence, R. I. Wood-screw machine | Apr. 22, 1879 | 1029 | 290 | 15 | 628 |
| 217, 024 | Same.....Machine for burnishing the heads of screws, &c | July 1, 1879 | 106 | 30, 31 | 16 | 16 |
| 220, 497 | Same.....Bolt-heading machine | Oct. 14, 1879 | 328 | 87 | 16 | 688 |
| 221, 254 | Same.....Machine for drawing wire | Nov. 4, 1879 | 125 | 33 | 16 | 829 |
| 220, 732 | Rogers, David C., Greenfield, and A. D. Goodell, Erving, assignors to Langdon Miter Box Company, Miller's Falls, Mass. Miter-box | Oct. 21, 1879 | 609 | 163 | 16 | 733 |
| 221, 937 | Rogers, Edward F., Boston, Mass. Vapor-burner | Nov. 25, 1879 | 948 | 266 | 16 | 969 |
| | Rogers, Edwin. (*See* Crane & Rogers) (Reissue.) | | | | | |
| | Rogers, Henry. (*See* Dinnan, John J., assignor.) | | | | | |
| | Rogers, Homer, *et al.* (*See* Shepherd & Whitcomb, assignors.) | | | | | |
| 216, 760 | Rogers, James H., Washington, D. C. Electric light | June 24, 1879 | 869 | 247 | 15 | 1023 |
| 213, 349 | Rogers, James L., East Marshfield, Mass. Shingling-bracket | Mar. 18, 1879 | 687 | 192 | 15 | 402 |
| 217, 154 | Rogers, John, Columbus, Ohio, assignor, by mesne assignments, to American Liquid Fuel Company, New York, N. Y. Supplying liquid fuel to furnaces | July 1, 1879 | 252 | 75 | 16 | 35 |
| 222, 312 | Rogers, John, Eldridge, Iowa. Harrow | Dec. 2, 1879 | 217 | 57 | 16 | 1039 |
| 212, 625 | Rogers, John W., Solomon City, Kans. Box for packing butter and lard | Feb. 25, 1879 | 960 | 265 | 15 | 264 |
| 214, 457 | Rogers, Jonathan W., Mount Sterling, Iowa. Churn | Apr. 15, 1879 | 861 | 242 | 15 | 599 |
| 211, 426 | Rogers, Josephine D., New York, N. Y. Cloak | Jan. 14, 1879 | 414 | 118 | 15 | 53 |
| 211, 308 | Rogers, Josiah W., assignor to self and F. and S. W. Winslow, Salem, Mass. Machine for buffing shoe-soles | Jan. 14, 1879 | 280 | 83 | 15 | 37 |
| 8, 895 | Same.....Machine for buffing shoe-soles (Reissue) | Sept. 16, 1879 | 844 | 233 | 16 | 538 |
| | Rogers, Lebbeus H. (*See* Foster, Charles, assignor.) | | | | | |
| 211, 110 | Rogers, Lebbeus H., New York, N. Y. Letter or note sheet envelope | Jan. 7, 1879 | 36 | 12 | 15 | 5 |
| 212, 268 | Same.....Letter-sheet envelope machine | Feb. 11, 1879 | 508 | 142 | 15 | 193 |
| 215, 776 | Same.....Letter-sheet envelope or double postal card | May 27, 1879 | 924 | 271 | 15 | 844 |
| 217, 155 | Same.....Combined envelope and letter-sheet | July 1, 1879 | 255 | 75 | 16 | 35 |
| 217, 707 | Same.....Envelope | July 22, 1879 | 900 | 257 | 16 | 149 |
| 220, 943 | Same.....Electrical conductor | Oct. 28, 1879 | 862 | 232 | 16 | 775 |
| 220, 944 | Rogers, Lebbeus H., and W. A. Shaw, New York, N. Y.; said Shaw assignor to said Rogers. Manufacture of electrical conductors | Oct. 28, 1879 | 864 | 232 | 16 | 775 |
| | Rogers, L. H. (*See* Shaw, William A., assignor.) | | | | | |
| | Rogers, Robert J. (*See* Ward & Rogers.) | | | | | |
| 8, 616 | Rogers, Thomas B., jr., Brooklyn, assignor to self and P. Cooper, New York, N. Y. Shutter bower and fastener (Reissue) | Mar. 11, 1879 | 593 | 165 | 15 | 381 |
| 211, 933 | Rogers, Timothy, Fredericktown, assignor of one-half interest to B. A. F. Greer, Mount Vernon, Ohio. Iron fence | Feb. 4, 1879 | 125 | 36 | 15 | 142 |
| 211, 934 | Rogers, Timothy, assignor of one-half interest to B. A. F. Greer, Mount Vernon, Ohio. Iron fence | Feb. 4, 1879 | 126 | 37 | 15 | 142 |
| 214, 955 | Same.....Harrow | Apr. 29, 1879 | 1440 | 400, 401 | 15 | 689 |
| | Rolfe, John H. (*See* McAllister, James, assignor.) | | | | | |
| | Rollin, Barney J., *et al.* (*See* Morrison, James W., assignor.) | | | | | |
| 215, 244 | Rollins, John B., Lynn, Mass. Elevator | May 13, 1879 | 316 | 93 | 15 | 745 |
| 221, 615 | Rollins, Orlando B., and J. W. Hudson, Wellington, Ill. Check-rower for corn-planters | Nov. 11, 1879 | 551 | 152 | 16 | 898 |
| 222, 739 | Rollins, Oscar A., Campello, Mass. Lubricator | Dec. 16, 1879 | 728 | 208 | 16 | 1129 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216, 895 | Rollins, Walter A., London, England, assignor of one-half interest to E. H. Whitney, Boston, Mass. Machine for setting eyelet paper-clips | June 24, 1879 | 1018 | 289 | 15 | 1042 |
| 215, 397 | Rollins, William H., Boston, Mass. Filling teeth | May 13, 1879 | 482 | ..... | 15 | 768 |
| 214, 318 | Roloson, Charles H., Baltimore, Md. Tackle-hook | Apr. 15, 1879 | 714 | 200 | 15 | 580 |
| 219, 022 | Same.....Sash and window-frame | Aug. 26, 1879 | 1074 | 303 | 16 | 395 |
| 216, 761 | Roloson, Frederick, Baltimore, Md. Condenser for refrigerating-chambers | June 24, 1879 | 869 | 247 | 15 | 1023 |
| | Rolson, John H. (*See* Stewart, Enos W., assignor.) | | | | | |
| 213, 693 | Romain, Adolphe, Paris, France. Match-box | Mar. 25, 1879 | 1051 | 299 | 15 | 457 |
| 213, 300 | Romer, Charles W. A., assignor to self and Romer & Co., Newark, N. J. Padlock | Mar. 18, 1879 | 654 | 178 | 15 | 394 |
| | Remer & Co. (*See* Romer, Charles W. A., assignor.) | | | | | |
| 221, 424 | Romig, John, Mifflinburg, Pa. Motor | Nov. 11, 1879 | 334 | 92 | 16 | 867 |
| 215, 165 | Romine, Cyrus, Williamsport, Ind. Kitchen-cabinet | May 6, 1879 | 210 | 61 | 15 | 728 |
| 220, 549 | Ronemous, John M., Baltimore, Md. Surface for printing on metal | Oct. 14, 1879 | 393 | 102 | 16 | 695 |
| 213, 941 | Rood, Charles P., La Fargeville, N. Y. Washing-machine | Apr. 1, 1879 | 221 | 65 | 15 | 501 |
| 220, 425 | Same.....Life-preserving mattress | Oct. 7, 1879 | 238 | 63 | 16 | 667 |
| | Rood, Henry W. (*See* Weber, Adolph, assignor.) | | | | | |
| | Rood, Walter L., *et al.* (*See* Merrell, John, assignor.) | | | | | |
| 220, 663 | Rook, Harrison T., Hot Springs, Ark. Car-coupling | Oct. 14, 1879 | 520 | 138 | 16 | 713 |
| | Roome, Henry C. (*See* Holmes & Roome) (Reissue.) | | | | | |
| | Roosevelt, Cornelius. (*See* Gower, Frederic A., assignor.) | | | | | |
| 215, 837 | Roosevelt, Hilborne L., New York, N. Y. Telephone-switch | May 27, 1879 | 1000 | 291 | 15 | 853 |
| 218, 775 | Same.....Electric telephone | Aug. 19, 1879 | 773 | 219 | 16 | 344 |
| 218, 776 | Same.....same | Aug. 19, 1879 | 774 | 219, 220 | 16 | 344 |
| 211, 791 | Root, Andrew J., and G. Jackson, Cohoes, N. Y. Knitting-machine burr | Jan. 28, 1879 | 851 | 238 | 15 | 116 |
| 219, 768 | Root, Francis H., assignor, by mesne assignments, to S. S. Jewett & Co., Buffalo, N. Y. Shelf for stove-ovens | Sept. 16, 1879 | 808 | 223 | 16 | 533 |
| | Root, George W. (*See* Smyth, David M., assignor.) | | | | | |
| 221, 938 | Root, John B., New York, N. Y. Machine for the manufacture of spiral-jointed pipe | Nov. 25, 1879 | 948 | 266, 267 | 16 | 969 |
| 221, 939 | Same.....Apparatus for painting pipes and tubes | Nov. 25, 1879 | 950 | 267 | 16 | 969 |
| 213, 251 | Root, Lyman C., Mohawk, N. Y. Apparatus for destroying insects by fumigation | Mar. 11, 1879 | 565 | 157 | 15 | 378 |
| 213, 350 | Root, S. Emerson, Bristol, Conn. Clock-dial | Mar. 18, 1879 | 688 | 192 | 15 | 402 |
| 219, 176 | Root, William A., New York, N. Y. Link for chain-pumps | Sept. 2, 1879 | 130 | 39 | 16 | 429 |
| 218, 318 | Roscher, Carl A., Markersdorf, assignor to G. H. Neumann, Hamburg, Germany. Knitting-machine | Aug. 5, 1879 | 233 | 63 | 16 | 252 |
| 213, 530 | Rose, Benjamin, Cleveland, Ohio. Refrigerator | Mar. 25, 1879 | 870 | 248 | 15 | 434 |
| | Rose, Daniel W. (*See* Benson, Edwin A., assignor.) | | | | | |
| 218, 317 | Rose, Emanuel G., Bridgeport, Conn. Shutter-bower | Aug. 5, 1879 | 232 | 62 | 16 | 252 |
| 220, 664 | Rose, Jackson M., Abingdon, Va. Extension-body for wagons | Oct. 14, 1879 | 521 | 138 | 16 | 713 |
| 216, 897 | Rose, John J., Elmwood, Ill. Automatic brake for wagons | June 24, 1879 | 1020 | 290 | 15 | 1042 |
| 216, 220 | Rose, Louis, Paris, Mo. Shoe | June 3, 1879 | 221 | 65 | 15 | 913 |
| 223, 171 | Rose, Reuben M., assignor of one-half interest to D. F. Atkins, Brooklyn, N. Y. Passenger and time recorder | Dec. 30, 1879 | 1233 | 348 | 16 | 1220 |
| 212, 404 | Rose, Rufus E., Gretna, La. Life-preserver | Feb. 18, 1879 | 675 | 188 | 15 | 219 |
| | Rosebrugh, Abner M. (*See* Black & Rosebrugh.) | | | | | |
| 212, 510 | Rosebrugh, Abner M., Toronto, Ontario, Canada. Electric telephony | Feb. 18, 1879 | 819 | 227 | 15 | 238 |
| 212, 747 | Rosecrans, George, Moravia, N. Y. Hay-elevator | Feb. 25, 1879 | 1079 | 299 | 15 | 281 |
| 212, 511 | Roselius, Charles H., Nebraska City, Nebr. Shed for drying brick | Feb. 18, 1879 | 821 | 227 | 15 | 238 |
| 215, 398 | Rosenberg, N. P. Friedrick, New York, N. Y. Shutter-fastening | May 13, 1879 | 484 | 144 | 15 | 768 |
| 219, 876 | Rosenberger, John D., Philadelphia, Pa. Calk attachment | Sept. 23, 1879 | 943 | 260 | 16 | 560 |
| 214, 458 | Rosenblüth, Alberth, New York, N. Y. Hat and cap | Apr. 15, 1879 | 862 | 243 | 15 | 600 |
| 220, 426 | Rosencranz, Albert C., Evansville, Ind. Wheel-plow | Oct. 7, 1879 | 238 | 64 | 16 | 668 |
| | Rosenkranz, Jean. (*See* Anschicks & Rosenkranz.) | | | | | |
| | Rosenstiehl, Daniel A. (*See* Poirrier, Rosenstiehl & Roussin.) | | | | | |
| | Rosenthal, Abraham. (*See* Rosenthal, Nathan and A.) | | | | | |
| 216, 348 | Rosenthal, Nathan and A., Baltimore, Md. Veterinary medicine | June 10, 1879 | 394 | ..... | 15 | 941 |
| 217, 904 | Rosenzi, Enrico, Cincinnati, Ohio, assignor of one-fourth interest to J. S. Stettinius, Washington, D. C. Combined lamp-chimney and reflector | July 29, 1879 | 1123 | 322 | 16 | 185 |
| 219, 528 | Rosier, Isham M., Jonesville, Va. Reciprocating saw-mill | Sept. 9, 1879 | 537 | 150 | 16 | 489 |
| 216, 460 | Rosquist, George, Brooklyn, N. Y. Perspective-drawing apparatus | June 10, 1879 | 517 | 147, 148 | 15 | 958 |
| 212, 569 | Ross, Abbott Q., Cincinnati, Ohio. Gas-retort-discharging apparatus | Feb. 25, 1879 | 896 | 248 | 15 | 256 |
| 212, 570 | Same.....Charging gas-retorts | Feb. 25, 1879 | 899 | 248 | 15 | 257 |
| 212, 571 | Same.....Gas-retort discharger | Feb. 25, 1879 | 901 | 248, 249 | 15 | 257 |
| 212, 572 | Same.....Gas-retort charger | Feb. 25, 1879 | 902 | 249 | 15 | 257 |
| 242, 573 | Same.....same | Feb. 25, 1879 | 903 | 249, 250 | 15 | 257 |
| 212, 987 | Ross, Abbott Q., and A. H. Fortmann, Cincinnati, Ohio; said Ross assignor to A. H. Fortmann. Sash-fastener | Mar. 4, 1879 | 254 | 70 | 15 | 329 |
| 222, 562 | Ross, Abbott Q., Cincinnati, Ohio. Gas-retort charger | Dec. 9, 1879 | 511 | 144, 145 | 16 | 1087 |
| 222, 563 | Same.....Machinery for discharging gas-retorts | Dec. 9, 1879 | 514 | 145 | 16 | 1088 |
| 222, 564 | Same.....Gas-retort-discharging apparatus | Dec. 9, 1879 | 516 | 145, 146 | 16 | 1088 |
| 222, 565 | Same.....Discharging apparatus for gas-retorts | Dec. 9, 1879 | 518 | 146, 147 | 16 | 1088 |
| 215, 680 | Ross, Alexander, and S. J. Parker, Rochester, N. Y. Grain-binder | May 20, 1879 | 815 | 238, 239 | 15 | 821 |
| 216, 532 | Same.....same | June 17, 1879 | 603 | 171 | 15 | 978 |
| 212, 748 | Ross, Andrew J., assignor of two-thirds interest to A. Collins, Rochester, and P. H. Park, Pittsford, N. Y. Bridge | Feb. 25, 1879 | 1079 | 300 | 15 | 281 |
| 219, 366 | Ross, Barney, Russell, Ohio. Drag-sawing machine | Sept. 9, 1879 | 366 | 103 | 16 | 466 |
| | Ross, Davis & Co. (*See* Ross, Simon, jr., assignor.) | | | | | |
| | Ross, Ezra P. (*See* Hippard & Ross.) | | | | | |
| 219, 114 | Ross, George, Troy, N. Y. Fluid-pressure regulator | Sept. 2, 1879 | 61 | 20 | 16 | 420 |
| 213, 777 | Ross, H. Schuyler, Chicago, Ill. Stuffing-box | Apr. 1, 1879 | 49 | 16 | 15 | 479 |
| 218, 138 | Ross, James J., Buffalo, N. Y. Refrigerator | Aug. 5, 1879 | 36 | 10 | 16 | 225 |
| 220, 901 | Ross, John F., Toronto, Ontario, Canada. Machine for working sheet metal | Oct. 28, 1879 | 928 | 247 | 16 | 783 |
| 219, 830 | Ross, Josiah, Buffalo, N. Y. Matcher-head | Sept. 23, 1879 | 899 | 247 | 16 | 554 |
| 217, 487 | Ross, Martianus, Abilene, Kans. Snap-hook | July 15, 1879 | 636 | 181 | 16 | 105 |
| 217, 488 | Same.....Trace buckle | July 15, 1879 | 637 | 182 | 16 | 105 |
| 214, 706 | Ross, Noble G. and T. D., Des Moines, Iowa. Wire-barbing machine | Apr. 22, 1879 | 1154 | 325, 326 | 15 | 644 |
| 216, 294 | Ross, Noble G., Chicago, Ill. Barbed-wire fence | June 10, 1879 | 326 | 96 | 15 | 933 |
| 211, 427 | Ross, Simon, jr., Newport, Ky. Shoe-shaping machine | Jan. 14, 1879 | 415 | 118 | 15 | 53 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 222,157 | Ross, Simon, jr., Newport, Ky., assignor to Ross, Davis & Co., Cincinnati, Ohio. Metallic standard and last for boots and shoes | Dec. 2, 1879 | 45 | 11 | 16 | 1015 |
| | Ross, Thomas D. (*See* Ross, Noble G. and T. D.) | | | | | |
| 211,260 | Ross, William, Glasgow, Great Britain. Water-closet cistern | Jan. 7, 1879 | 197 | 58 | 15 | 26 |
| 215,979 | Ross, William, assignor of one-half interest to G. P. Spamer, Baltimore, Md. Crochet-needle | May 27, 1879 | 1148 | 333 | 15 | 872 |
| 218,777 | Rossell, John, Galveston, Tex. Cotton and hay press | Aug. 19, 1879 | 776 | 221 | 16 | 345 |
| 219,877 | Rössler, Max, Avensberg, Bavaria, Germany. Car-brake | Sept. 23, 1879 | 944 | 260, 261 | 16 | 561 |
| 216,762 | Rossman, Freeman H., Wappinger's Falls, N. Y. Vehicle-wheel | June 24, 1879 | 876 | 247 | 15 | 1023 |
| 216,896 | Rossman, William F., Hudson, N. Y. Portable oven | June 24, 1879 | 1019 | 290 | 15 | 1042 |
| | Rotche, Robert A. (*See* Sullivan, John R., assignor.) | | | | | |
| 213,351 | Roth, Frank J., Cincinnati, Ohio. Carbureter | Mar. 18, 1879 | 689 | 193 | 15 | 402 |
| 213,072 | Roth, Gustav H., Boston, Mass. Watchman's detecter | Mar. 11, 1879 | 362 | 102 | 15 | 352 |
| 213,135 | Same ..... same | Mar. 11, 1879 | 440 | 122, 123 | 15 | 361 |
| 213,136 | Same ..... same | Mar. 11, 1879 | 442 | 123 | 15 | 361 |
| 222,740 | Same ..... Nut-lock | Dec. 16, 1879 | 729 | 209 | 16 | 1129 |
| | Rothweiler, Christopher B. (*See* Everson, George R., assignor.) | | | | | |
| | Rothwell, Charles. (*See* Rothwell, John and C.) | | | | | |
| 221,865 | Rothwell, John and C., Philadelphia, Pa. Loom | Nov. 18, 1879 | 848 | 237 | 16 | 946 |
| 217,156 | Rottmann, Friedrich W., assignor of one-half interest to B. H. Noelting, Nebraska City, Nebr. Rope-shelf stand | July 1, 1879 | 256 | 76 | 16 | 35 |
| | Rouchel, John M. (*See* Cointepas & Rouchel.) | | | | | |
| 222,953 | Rouech, Azell N., Bay City, Mich. Chalk-holder for billiard-tables | Dec. 23, 1879 | 980 | 282 | 16 | 1176 |
| 222,079 | Rough, John I., Buchanan, Mich. Mince and sausage meat chopper | Nov. 25, 1879 | 1101 | 309 | 16 | 990 |
| | Roulstone, Edward A. G. (*See* Winn, Ammi C., assignor.) | | | | | |
| 218,139 | Roulstone, Edward A. G., Boston, Mass. Trunk-lock | Aug. 5, 1879 | 39 | 11 | 16 | 226 |
| 220,772 | Same ..... Pin ticket or tag | Oct. 21, 1879 | 661 | 175 | 16 | 739 |
| 222,158 | Roumillat, Ulysses C., assignor of one-third interest to G. G. Bahntge, Florence, S. C. Bottle-stopper | Dec. 2, 1879 | 46 | 12 | 16 | 1015 |
| | Rouse, Casper M. (*See* Benway, Rouse & Voss.) | | | | | |
| | Rouse, Roswell R. (*See* Hood, Harrison P., assignor.) | | | | | |
| 215,681 | Rouse, William C. C., Florence, Ky. Automatic safety-gate for railways | May 20, 1879 | 819 | 239 | 15 | 822 |
| 218,778 | Roush, William, Yates Center, Kans. Lantern | Aug. 19, 1879 | 777 | 221 | 16 | 345 |
| | Roussin, Zacharie. (*See* Poirrier, Rosenstiehl & Roussin.) | | | | | |
| 211,525 | Roussin, Zacharie, and A. F. Poirrier, Paris, France. Color derived from nitraniline | Jan. 21, 1879 | 527 | ..... | 15 | 70 |
| 211,671 | Same ..... Color derived from tolnidine and xylidine | Jan. 28, 1879 | 712 | ..... | 15 | 98 |
| | Rovabeck, Peter J. (*See* Folsom, Elias W., assignor.) | | | | | |
| 211,185 | Rowatt, Thomas, jr., London, England. Lamp-burner | Jan. 7, 1879 | 114 | 36 | 15 | 16 |
| 217,297 | Rowe, Charles T., Syracuse, N. Y. Mortar-mixing machine | July 8, 1879 | 417 | 123 | 16 | 65 |
| 223,009 | Rowe, John L., assignor to self and H. Lassing, New York, N. Y. Truss | Dec. 30, 1879 | 1050 | 301 | 16 | 1196 |
| 223,010 | Same ..... same | Dec. 30, 1879 | 1051 | 301 | 16 | 1196 |
| | Rowe, Mark E. (*See* Fittz, Baxter & Rowe.) | | | | | |
| 219,653 | Rowe, Thomas, Brooklyn, N. Y. Spring-hinge | Sept. 16, 1879 | 690 | 191 | 16 | 517 |
| 212,574 | Rowell, Guilford D., assignor to Appleton Manufacturing Company, Appleton, Wis. Gate-roll | Feb. 25, 1879 | 906 | 250 | 15 | 259 |
| 221,940 | Rowell, Samuel C., Boston, Mass. Hydraulic elevator | Nov. 25, 1879 | 951 | 267 | 16 | 969 |
| 221,102 | Rowell, Stratten M., assignor to J. Wilcox, Port Chester, N. Y. Machine for forming carriage-shackles | Oct. 28, 1879 | 1052 | 278 | 16 | 799 |
| 214,198 | Rowen, Nelson, and M. D. Miller, Oswego, Kans., assignors to themselves and F. B. Duffey. Weather-strip | Apr. 8, 1879 | 540 | 154 | 15 | 549 |
| 211,590 | Rowland, Thomas F., New York, N. Y. Center-seal purge-valve | Jan. 21, 1879 | 605 | 170 | 15 | 80 |
| 211,591 | Same ..... Gas-retort | Jan. 21, 1879 | 606 | 170, 171 | 15 | 80 |
| 211,592 | Same ..... Gas-generator | Jan. 21, 1879 | 607 | 171 | 15 | 80 |
| 8,815 | Same ..... Gas-retort ..... (Reissue) | July 22, 1879 | 1050 | 300, 301 | 16 | 169 |
| 221,941 | Same ..... Heating benches of gas-fixing retorts | Nov. 25, 1879 | 954 | ..... | 16 | 969 |
| 211,672 | Roy, Constantin, Witten-an-der-Ruhr, Prussia. Wire-rolling mill | Jan. 28, 1879 | 713 | 199 | 15 | 98 |
| | Royce, D. H., *et al.* (*See* Royce, Wesley, assignor.) | | | | | |
| 215,166 | Royce, Wesley, assignor of two-thirds interest to D. H. Royce and J. G. Pulling, Columbus, Ohio. Fire-escape | May 6, 1879 | 212 | 61 | 15 | 728 |
| | Royce, William K. (*See* Welden & Royce.) | | | | | |
| 219,769 | Roys, James S., Lyons, N. Y. Hand seed-sower | Sept. 16, 1879 | 809 | 223 | 16 | 533 |
| | Roys, Philander B., administrator. (*See* Roys, Thomas W.) | | | | | |
| 214,707 | Roys, Thomas W., deceased (P. B. Roys, administrator), Pultneyville, N. Y. Bomb-lance | Apr. 22, 1879 | 1157 | 326 | 15 | 644 |
| | Rubber and Celluloid Harness Trimming Company. (*See* Kays & Halsey, assignors.) | | | | | |
| | Rubber Step Manufacturing Company. (*See* Sawyer, Francis A., 2d, assignor.) | | | | | |
| 214,708 | Rubens, Lippman, Chicago, Ill. Sleeve-button | Apr. 22, 1879 | 1158 | 326 | 15 | 645 |
| 220,091 | Rubi, Adam, Cincinnati, Ohio. Apparatus for detecting the escape of spirituous liquors from stills | Sept. 30, 1879 | 1206 | 332 | 16 | 605 |
| 220,427 | Rübin, Max, assignor to L. Sanders, New York, N. Y. Fan | Oct. 7, 1879 | 239 | 64 | 16 | 668 |
| 221,616 | Rübin, Max, assignor to Marx & Son, New York, N. Y. Shawl-strap | Nov. 11, 1879 | 552 | 152 | 16 | 898 |
| 213,839 | Rubottom, Emphrey J., Spadra, Cal. Barrel-tap | Apr. 1, 1879 | 117 | 35 | 15 | 488 |
| 213,778 | Ruby, William, Louisville, Ky. Sash-frame for carriage-doors | Apr. 1, 1879 | 50 | 16 | 15 | 479 |
| 213,452 | Ruckel, Samuel R., assignor of one-half interest to L. P. Swayne, Kansas City, Mo. Churn | Mar. 18, 1879 | 783 | 221 | 15 | 415 |
| 219,598 | Same ..... Churn-dasher | Sept. 16, 1879 | 618 | 172, 173 | 16 | 507 |
| 212,512 | Rudel, Peter E., Grand Rapids, Mich. Door-securer and combined tool | Feb. 18, 1879 | 822 | 228 | 15 | 238 |
| 212,513 | Same ..... Scythe-snath fastening | Feb. 18, 1879 | 823 | 228 | 15 | 238 |
| 218,319 | Same ..... Wash-board | Aug. 5, 1879 | 234 | 63 | 16 | 252 |
| 219,654 | Same ..... Animal-poke | Sept. 16, 1879 | 691 | 192 | 16 | 517 |
| 219,023 | Rüdiger, August, New York, N. Y. Leather-trimming | Aug. 26, 1879 | 1075 | 303 | 16 | 395 |
| 214,709 | Rudolph, James W., Carmi, Ill. Agricultural implement | Apr. 22, 1879 | 1159 | 326 | 15 | 645 |
| | Rue Manufacturing Company. (*See* Colvin, Henry F., assignor.) | | | | | |
| 221,103 | Rue, Theodore, Philadelphia, Pa. Die for the manufacture of sheet-metal number-plates | Oct. 28, 1879 | 1052 | 279 | 16 | 799 |
| | Rueter, Henry H. (*See* Strater & Rueter.) | | | | | |
| | Ruffner, Daniel B. (*See* Dunn, William, assignor.) | | | | | |
| | Ruger, Augustus. (*See* Ruger, James W. and A.) | | | | | |
| 213,453 | Ruger, James W. and A., Buffalo, N. Y. Apparatus for coating cakes with sugar, &c. | Mar. 18, 1879 | 784 | 221 | 15 | 415 |
| 216,461 | Same ..... Cake-machine | June 10, 1879 | 518 | 148 | 15 | 958 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 221, 364 | Ruger, James W. and A., Buffalo, N. Y. Dough-kneader | Nov. 4, 1879 | 253 | 68 | 16 | 847 |
| 214, 319 | Rugg, Earle L., Capay, Cal. Farm-gate | Apr. 15, 1879 | 715 | 200 | 15 | 580 |
| 217, 241 | Ruggles, Stephen P., Boston, Mass. Velocipede | July 8, 1879 | 361 | 106 | 16 | 58 |
| 221, 976 | Same.....Vehicle-wheel hub | Nov. 25, 1879 | 994 | 278 | 16 | 975 |
| | Ruhland, Henry, *et al.* (*See* Steel, Robert, assignor.) | | | | | |
| 212, 575 | Ruhlmann, Eugene, Lockport, N. Y. Cultivator | Feb. 25, 1879 | 907 | 250 | 15 | 258 |
| 220, 035 | Ruland, George, Baraboo, Wis. Car-coupling | Sept. 30, 1879 | 1127 | 311 | 16 | 504 |
| | Rule, Robert W. (*See* Ellis & Rule.) | | | | | |
| 214, 056 | Rumely, John, La Porte, Ind. Thrashing-machine | Apr. 8, 1879 | 379 | 107 | 15 | 529 |
| 218, 643 | Rumely, Meinrad, La Porte, Ind. Spark-arrester | Aug. 19, 1879 | 632 | 178 | 16 | 325 |
| 220, 428 | Rumney, William, Manchester, Great Britain. Printing on fabrics | Oct. 7, 1879 | 240 | 64 | 16 | 668 |
| 216, 533 | Rumpp, Charles F., Philadelphia, Pa. Leather chain | June 17, 1879 | 605 | 171 | 15 | 978 |
| 219, 655 | Rumsey, Lewis M., and H. L. Hewitt, assignors to selves and M. Rumsey, Saint Louis, Mo. Snath-fastening | Sept. 16, 1879 | 692 | 192 | 16 | 517 |
| | Rumsey, Moses. (*See* Rumsey & Hewitt, assignors.) | | | | | |
| 220, 870 | Rundell, William F., Genoa, N. Y. Mower | Oct. 21, 1879 | 763 | 204 | 16 | 752 |
| | Runstetler, Andrew. (*See* Forden, John M., assignor.) | | | | | |
| 8, 614 | Runstetler, Andrew, assignor, by mesne assignments, to Deere & Mansur Company, Moline, Ill. Convertible corn-planter (Reissue) | Mar. 11, 1879 | 590 | 165 | 15 | 381 |
| 211, 111 | Rusb, George, jr., Philadelphia, Pa. Roller-skate | Jan. 7, 1879 | 38 | 12 | 15 | 5 |
| | Rusk, John W. (*See* Robinson & Rusk.) | | | | | |
| | Russ, Robert. (*See* Jones & Russ.) | | | | | |
| | Russell, Andrew H. (*See* Livermore & Russell.) | | | | | |
| 214, 526 | Russell, David, London, England. Car-replacer | Apr. 22, 1879 | 967 | 272 | 15 | 620 |
| 219, 982 | Russell, Charles A., Plainwell, Mich. Fastening for shoes, &c | Sept. 23, 1879 | 1060 | 294 | 16 | 577 |
| 222, 741 | Russell, Elvira A., Minneapolis, Minn. Pressing-iron | Dec. 16, 1879 | 729 | 209 | 16 | 1129 |
| | Russell & Erwin Manufacturing Company. (*See* Brooks & Munger, assignors.) | | | | | |
| | Same.....(*See* Burgess, Charles M., assignor.) | | | | | |
| | Same.....(*See* Burkarth, Michael J., assignor.) | | | | | |
| | Same.....(*See* Croft, Edward, assignor.) | | | | | |
| | Same.....(*See* Lyon, Thomas, assignor.) | | | | | |
| | Same.....(*See* Russell, Henry E., jr., assignor.) | | | | | |
| | Same.....(*See* Smith, Charles H., assignor.) | | | | | |
| | Same.....(*See* Wimmer, Alexander, assignor.) | | | | | |
| | Russell, George H. (*See* Claude & Ball, assignors.) | | | | | |
| | Same.....(*See* Claude, Louis G., assignor.) | | | | | |
| | Same.....(*See* Eynon, William, assignor.) | | | | | |
| | Same.....(*See* Fritz, Jacob, assignor.) | | | | | |
| | Russell, George I. (*See* Martin, William L., assignor.) | | | | | |
| 213, 454 | Russell, Henry, assignor of one-half interest to J. W. Shepherd, Philadelphia, Pa. Artist's tablet | Mar. 18, 1879 | 785 | ..... | 15 | 415 |
| 218, 455 | Russell, Henry E., jr., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Reversible latch | Aug. 12, 1879 | 400 | 110 | 16 | 285 |
| 223, 066 | Same.... Spring-tongs | Dec. 30, 1879 | 1114 | 316 | 16 | 1204 |
| | Russell, Henry H. (*See* Russell, Robert B. and H. H.) | | | | | |
| 212, 403 | Russell, Jacob, Newark, N. J., and J. W. Russell, New York, N. Y. Heating cars | Feb. 18, 1879 | 674 | 188 | 15 | 219 |
| 211, 186 | Russell, James, Springfield, and A. Bemis, Leicester; said Bemis assignor to said Russell; said Russell assignor of one-half interest to H. A. Collins, Springfield, Mass. Card-setting machine | Jan. 7, 1879 | 114 | 36, 37 | 15 | 16 |
| | Russell, James M. (*See* Burgess & Russell.) | | | | | |
| | Russell, James W. (*See* Russell, Jacob and J. W.) | | | | | |
| 214, 957 | Russell, Jay D., Lebanon, Mo. Tire-tightener | Apr. 29, 1879 | 1442 | 401 | 15 | 689 |
| 216, 976 | Russell, John L., Prairie City, Iowa. Wagon-box | July 1, 1879 | 55 | 17 | 16 | 9 |
| 211, 792 | Russell, Prior S., Riverside, Cal. Cultivator | Jan. 28, 1879 | 853 | 238 | 15 | 116 |
| 217, 748 | Russell, Robert B. and H. H., Orange, Tex. Packing shingles | July 22, 1879 | 940 | 270 | 16 | 154 |
| | Russell, Rufus. (*See* Macy & Russell.) | | | | | |
| 220, 429 | Russell, Samuel I., Chicago, Ill. Toy house | Oct. 7, 1879 | 241 | 65 | 16 | 668 |
| 214, 844 | Russell, Samuel T., Springfield, Ohio. Wind-engine | Apr. 29, 1879 | 1330 | 370 | 15 | 674 |
| | Russell, William F. (*See* Bryant & Russell.) | | | | | |
| 214, 588 | Russell, William H., Corona, N. J. Bill-file | Apr. 22, 1879 | 1032 | 290 | 15 | 628 |
| 214, 710 | Russell, William H., Sedalia, Mo. Gas-burner | Apr. 22, 1879 | 1160 | 327 | 15 | 645 |
| 220, 665 | Same.....Vapor-burner | Oct. 14, 1879 | 522 | 138 | 16 | 713 |
| 216, 349 | Russell, William H., Dalton, Mass. Rag-engine | June 10, 1879 | 394 | 112 | 15 | 941 |
| 214, 956 | Russell, William V., Elwood, Ind. Fence | Apr. 29, 1879 | 1441 | 401 | 15 | 689 |
| | Rust, George. (*See* Inglehart, Jacob, assignor.) | | | | | |
| 217, 157 | Rutherford, Adam, Walla Walla, Wash. Combined collar and hames | July 1, 1879 | 257 | 76 | 16 | 36 |
| 216, 350 | Rutherford, Albert, Chicago, Ill. Car-replacer | June 10, 1879 | 396 | 113 | 15 | 941 |
| 214, 711 | Ruthven, John, Saint Louis, Mo. Carbureter and regulator | Apr. 22, 1879 | 1161 | 327 | 15 | 645 |
| 220, 871 | Rutschman, John A., Philadelphia, Pa. Bung and bushing | Oct. 21, 1879 | 765 | 204 | 16 | 753 |
| | Rutter, John C. (*See* Clark, Robert J., assignor.) | | | | | |
| 212, 988 | Rutz, Carl, and J. Weiser, Brooklyn, N. Y. Pinchers for attaching seam-protectors, paper-fasteners, &c | Mar. 4, 1879 | 255 | 70 | 15 | 329 |
| 219, 529 | Ryan, John F., Maysville, Ky. Pump | Sept. 9, 1879 | 538 | 150 | 16 | 489 |
| 219, 983 | Ryan, John P., Sardis, Miss. Funnel for chain-pumps | Sept. 23, 1879 | 1060 | 294 | 16 | 577 |
| | Ryan, John R. T. (*See* Hill, Joseph, assignor.) | | | | | |
| 212, 514 | Ryan, Joseph, Mount Winans, Md. Swing | Feb. 18, 1879 | 823 | 228 | 15 | 238 |
| 217, 242 | Ryan, Stephen, Pecatonica, Ill. Land-marker | July 8, 1879 | 362 | 107 | 16 | 58 |
| 8, 935 | Same.....same (Reissue) | Oct. 14, 1879 | 563 | 149 | 16 | 718 |
| 213, 779 | Ryder, Austin G., Taunton, Mass. Automatic telegraph | Apr. 1, 1879 | 51 | 17 | 15 | 479 |
| 9, 010 | Ryder, Joshua H., Brockton, Mass., assignor to W. Gordon. Machine for polishing the edges of boot and shoe heels (Reissue) | Dec. 30, 1879 | 1286 | 363 | 16 | 1228 |
| | Ryder, Nehemiah C. (*See* Gilfillan, William, assignor.) | | | | | |
| 214, 199 | Ryder, Watson, Philadelphia, Pa. Apparatus for the continuous distillation of hydrocarbon oils | Apr. 8, 1879 | 540 | 154, 155 | 15 | 549 |
| | Rye, Philip. (*See* Berger, Henry L., assignor.) | | | | | |
| 211, 593 | Rye, Richard E., Mount Pleasant, Mich. Clothes-drier | Jan. 21, 1879 | 607 | 171 | 15 | 80 |
| 221, 104 | Rykard, John W., Abbeville, S. C. Grain-planter | Oct. 28, 1879 | 1053 | 279 | 16 | 799 |
| 220, 945 | Ryther, Charles P., Carthage, N. Y. Bark-mill | Oct. 28, 1879 | 867 | 232 | 16 | 775 |
| | Saake, Carl. (*See* Brauer, Louis, assignor.) | | | | | |
| 218, 689 | Sabbaton, Frederick A., Troy, N. Y. Device for feeding gas-retort furnaces with ignited coke from the retort | Aug. 19, 1879 | 681 | 193 | 16 | 332 |
| 219, 115 | Sackett, Charles E., Matilda Furnace, Wayne Township, Mifflin County, Pa. Cultivating-machine | Sept. 2, 1879 | 63 | 20, 21 | 16 | 421 |
| 219, 116 | Same.....Cultivator | Sept. 2, 1879 | 65 | 21 | 16 | 421 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 220,176 | Sackett, Charles E., Matilda Furnace, Wayne Township, Mifflin County, Pa. Combined plow, harrow, and drill | Sept. 30, 1879 | 1294 | 356, 357 | 16 | 618 |
| 220,177 | Same.....Combined plow, harrow, and seed-drill | Sept. 30, 1879 | 1296 | 357, 358 | 16 | 618 |
| 222,603 | Sackett, Charles E., Matilda Furnace, Pa. Combined plow and pulverizing-harrow | Dec. 16, 1879 | 576 | 164 | 16 | 1106 |
| 222,954 | Sackett, Clarence E., Garden Prairie, Ill. Tag | Dec. 23, 1879 | 981 | 282 | 16 | 1176 |
| 217,905 | Sackett, Orsemus, Chicago, Ill. Hotel-casket | July 29, 1879 | 1124 | 322 | 16 | 185 |
| 213,942 | Sadler, James, assignor of one-half interest to C. I. Fanning, New York, N. Y. Piston-packing spring | Apr. 1, 1879 | 222 | 65 | 15 | 501 |
| 212,405 | Saegmuller, George N., Washington, D. C. Leveling device for surveying-instruments | Feb. 18, 1879 | 676 | 189 | 15 | 219 |
| 216,351 | Safford, Albert G., Boston, Mass. Sheave for sliding doors | June 10, 1879 | 397 | 113 | 15 | 942 |
| 211,428 | Safford, James B., Buffalo, N. Y. Car-coupling | Jan. 14, 1879 | 417 | 118 | 15 | 53 |
| 217,158 | Same.....same | July 1, 1879 | 258 | 76 | 16 | 36 |
| 211,187 | Safford, Joseph A., Boston, Mass. Leather-splitting machine | Jan. 7, 1879 | 121 | 38 | 15 | 17 |
| 219,530 | Sage, Francis A., Saint Helena, Cal. Fire-place | Sept. 9, 1879 | 539 | 151 | 16 | 489 |
| 222,842 | Sagendorph, L. Lewis, Staunton, Va., assignor of two-thirds interest to D. F. Clemmer and G. W. May. Metallic roofing | Dec. 23, 1879 | 853 | 245 | 16 | 1157 |
| 222,535 | Sager, Conrad W., Perrysburg, assignor of two-thirds interest to S. S. Terry and M. R. Smith, Rochester, Ind. Belt-fastener | Dec. 9, 1879 | 479 | 136 | 16 | 1083 |
| | Sager, Daniel A. (*See* Flanagin & Sager.) | | | | | |
| 211,477 | Sailvail, Narsice, Winsted, Minn. Liniment | Jan. 21, 1879 | 471 | ..... | 15 | 63 |
| | Saint Louis Refrigerator and Wooden Gutter Company. (*See* Cass, Henry W., assignor.) | | | | | |
| 211,274 | Sainte, Adrien A., Paris, France. Rotary speed-indicator | Jan. 7, 1879 | 214 | 63 | 15 | 27 |
| 213,780 | Saladee, Cyrus W., Washington, D. C. Road-wagon | Apr 1, 1879 | 52 | 17 | 15 | 479 |
| 217,641 | Same.....same | July 15, 1879 | 805 | 229, 230 | 16 | 127 |
| 217,708 | Same.....same | July 22, 1879 | 901 | 257 | 16 | 149 |
| 8,829 | Saladee, Cyrus W., Washington, D. C., assignor, by mesne assignments, to R. Loercher, New York, N. Y. Harness-buckle.....(Reissue) | July 29, 1879 | 1355 | 388 | 16 | 214 |
| 218,456 | Saladee, Cyrus W., Washington, D. C. Buckboard-wagon | Aug. 12, 1879 | 401 | 111 | 16 | 285 |
| 218,690 | Same.....Road-wagon | Aug. 19, 1879 | 682 | 193 | 16 | 332 |
| | Salem Manufacturing Company. (*See* Blaney, Elias, assignor).....(Reissue.) | | | | | |
| 212,269 | Salisbury, Levi E., Providence, R. I. Weft-thread knitting-loom | Feb. 11, 1879 | 510 | 142 | 15 | 194 |
| 216,898 | Salisbury, Silas C., assignor, by mesne assignments, to American Liquid Fuel Company, New York, N. Y. Hydrocarbon-burner | June 24, 1879 | 1022 | 290 | 15 | 1042 |
| 216,977 | Same.....Apparatus for burning hydrocarbons | July 1, 1879 | 55 | 17 | 16 | 9 |
| 219,311 | Salisbury, Wilber S., Chicago, Ill. Coil steam-boiler | Sept. 2, 1879 | 292 | 82 | 16 | 449 |
| 219,770 | Same.....Steam-motor for propelling street-cars | Sept. 16, 1879 | 810 | 224 | 16 | 533 |
| 222,641 | Salmon, George, Taunton, Mass. Manufacture of tinned sheet-copper | Dec. 16, 1879 | 626 | ..... | 16 | 1114 |
| 8,923 | Saloshinsky, Herman, assignor, by mesne assignments, to J. W. Brooks, trustee, Cambridge, Mass. Machine for attaching and finishing boot-heels.....(Reissue) | Oct. 7, 1879 | 280 | 75 | 16 | 674 |
| | Salter, George, administrator. (*See* Salter, James.) | | | | | |
| 217,749 | Salter, James, G. Salter, administrator, and assignor, by mesne assignments, to G. Salter, Williamsburg, N. Y. Barrel-stand | July 22, 1879 | 940 | 270 | 16 | 154 |
| | Salter, John T., *et al.* (*See* North, George F., assignor.) | | | | | |
| | Salvage, Robert, *et al.* (*See* Downing, William H., assignor.) | | | | | |
| | Samelson, Moses. (*See* Richmond, George G., assignor.) | | | | | |
| 218,831 | Sammons, Thomas J., Chicago, Ill. Machine for applying composition to moldings | Aug. 26, 1879 | 859 | 242 | 16 | 366 |
| | Sample, James F. (*See* Waddell & Sample.) | | | | | |
| | Sample, Samuel C. (*See* Green, William M., assignor.) | | | | | |
| 218,403 | Samuels, Samuel D., assignor to J. Lyman, Boston, Mass. Lemon-squeezer | Aug. 12, 1879 | 339 | 93 | 16 | 277 |
| | Sanborn, Albert A. (*See* Kanouse & Sanborn.) | | | | | |
| 221,977 | Sanborn, Albert A., Newark, N. J., assignor to self and Waterproof Celluloid Cuff and Collar Company, New York, N. Y. Manufacturing celluloid collars and cuffs | Nov. 25, 1879 | 996 | 278 | 16 | 975 |
| 219,024 | Sanborn, Albert J., Mattoon, Ill. Farm-gate | Aug. 26, 1879 | 1076 | 303 | 16 | 395 |
| | Sanborn, Gideon M. (*See* Sanborn, Moses L. and G. M.) | | | | | |
| 211,526 | Sanborn, Gustavus B., Bristol, N. H. Bottle | Jan. 21, 1879 | 528 | 148 | 15 | 70 |
| 222,080 | Sanborn, Moses L. and G. M., Denmark, Me. Button-hole cutter | Nov. 25, 1879 | 1102 | 310 | 16 | 990 |
| 221,365 | Sanchez, Pedro, Tabasco, Mexico, assignor to F. Latasa, New York, N. Y. Machine for cleaning and extracting fibers | Nov. 4, 1879 | 254 | 69 | 16 | 847 |
| 213,943 | Sanders, Alexander, El Dorado, Ill. Wheel-cultivator | Apr. 1, 1879 | 222 | 65 | 15 | 501 |
| 223,172 | Same.....Scissors | Dec. 30, 1879 | 1234 | 349 | 16 | 1220 |
| | Sanders, Louis. (*See* Rübin, Max, assignor.) | | | | | |
| 219,177 | Sanders, Richard D., Birmingham, Warwick County, England. Continuous brake for railway-cars | Sept. 2, 1879 | 130 | 40 | 16 | 429 |
| 221,978 | Sanderson, George O., assignor to self and A. N. Adams, Boston, Mass. Draft-regulator for furnaces and stoves | Nov. 25, 1879 | 996 | 279 | 16 | 975 |
| 216,352 | Sanderson, John H., assignor of one-half interest to H. W. Warner, Greenfield, Mass. Vehicle-spring | June 10, 1879 | 398 | 113 | 15 | 942 |
| 217,411 | Sanderson, John H., Greenfield, Mass. Standard for carriage-tops | July 8, 1879 | 538 | 154 | 16 | 80 |
| | Sandford, Frank V. (*See* Cutler & Sandford.) | | | | | |
| | Same.....(*See* Jones & Sandford.) | | | | | |
| 214,845 | Sandholdt, Samuel, Centreville, Cal. Tap and faucet | Apr. 29, 1879 | 1332 | 370 | 15 | 674 |
| 213,352 | Sandiland, Robert D., Lyons, Iowa. Stove-back lining | Mar. 18, 1879 | 690 | 193 | 15 | 402 |
| 213,694 | Sandner, George S., jr., assignor to A. Weisketel, jr., Baltimore, Md. Range or cooking-stove | Mar. 25, 1879 | 1052 | 299 | 15 | 457 |
| 215,245 | Sands, Charles A., Burlington, Kans. Butter and fruit package | May 13, 1879 | 316 | 93 | 15 | 745 |
| 220,430 | Sands, Charles J., Brooklyn, N. Y., assignor of two-thirds interest to H. J. Kiernan, Washington, D. C., and C. C. Cook, Brooklyn, N. Y. Revenue-stamp | Oct. 7, 1879 | 242 | 65 | 16 | 668 |
| 220,431 | Same.....Revenue-stamp holder | Oct. 7, 1879 | 243 | 65 | 16 | 668 |
| 219,878 | Sands, Thomas, Laconia, N. H. Ice-cream freezer | Sept. 23, 1879 | 945 | 261 | 16 | 561 |
| 212,821 | Sandusky, Isaac B., Lexington, Ky. Machine for cleaning blue-grass seed | Mar. 4, 1879 | 46 | 15 | 15 | 303 |
| 219,117 | Sanford, Albert, Oshkosh, Wis. Cant-hook | Sept. 2, 1879 | 68 | 22 | 16 | 421 |
| 220,093 | Same.....Ferrule for cant-hooks | Sept. 30, 1879 | 1208 | 333 | 16 | 605 |
| 222,203 | Same.....Chain-hook | Dec. 2, 1879 | 98 | 24 | 16 | 1022 |
| 217,552 | Sanford, De Witt C., assignor of one-half interest to E. H. Sanford, Saint Louis, Mo. Refrigerating-house | July 15, 1879 | 704 | 201, 202 | 16 | 114 |
| | Sanford, Elizabeth H. (*See* Sanford, De Witt C., assignor.) | | | | | |
| 212,989 | Sanford, Gelston, Brooklyn, N. Y. Hoisting apparatus | Mar. 4, 1879 | 256 | 70 | 15 | 329 |
| 213,695 | Same.....Movement for elevating and conveying | Mar. 25, 1879 | 1052 | 299 | 15 | 457 |
| | Sanford, Jennie G., administratrix. (*See* Sanford, John F.).....(Reissue.) | | | | | |
| 8,969 | Sanford, John F., deceased, J. G. Sanford, administratrix, and assignor to D. W. Kissam, Bridgeport, Conn. Lamp-burner.....(Reissue) | Nov. 18, 1879 | 890 | 249 | 16 | 952 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216, 763 | Sanford, Leverett A., Bristol, Conn. Polishing-machine | June 24, 1879 | 871 | 247, 248 | 15 | 1023 |
| 213, 944 | Sanford, Samuel T., Fall River, Mass. Oscillating water-meter | Apr. 1, 1879 | 223 | 66 | 15 | 501 |
| 221, 744 | Sanford, Sylvester, Preeb, Wis., assignor to N. B. Brown and W. S. Taylor, Cedar Rapids, Iowa. Oatmeal-machine | Nov. 18, 1879 | 699 | 196 | 16 | 926 |
| 214, 527 | Sangster, Hugh, assignor to T. J. Beebe, Plano, Ill. Oil or other cans | Apr. 22, 1879 | 969 | 272 | 15 | 620 |
| 220, 092 | Sangster, James, assignor of one-half interest to R. and G. H. Dunbar, Buffalo, N. Y. Postage and revenue stamp | Sept. 30, 1879 | 1208 | 332 | 16 | 605 |
| 221, 192 | Santee, Cornelius B., Racine, assignor of one-half interest to P. J. Smothers, Norway, Wis. Car-coupling | Nov. 4, 1879 | 58 | 16 | 16 | 820 |
| 221, 425 | Sappenfield, Charles W., Crawfordsville, Ind. Bee-hive | Nov. 11, 1879 | 334 | 92 | 16 | 867 |
| 216, 764 | Sargeant, Samuel S., Newark, N. J. Constructing harness-mountings | June 24, 1879 | 874 | 248 | 15 | 1024 |
| | Sargent, Calvin J., *et al.* (*See* Mitchell, Albion L. F., assignor.) | | | | | |
| | Sargent, C. J., *et al.* (*See* Mitchell, Albion L. F., assignor.) | | | | | |
| | Sargent & Co. (*See* Brocksieper, Frederick W., assignor.) | | | | | |
| 220, 733 | Sargent, Frederick G., Graniteville, Mass. Wool-washing machine | Oct. 21, 1879 | 610 | 163, 164 | 16 | 733 |
| 222, 423 | Same.....Roll for wool-washing machines | Dec. 9, 1879 | 346 | 97 | 16 | 1066 |
| 213, 252 | Sargent, James, Rochester, N. Y. Lock | Mar. 11, 1879 | 566 | 157 | 15 | 378 |
| 221, 105 | Same.....Apparatus for supplying steam to buildings | Oct. 28, 1879 | 1054 | 279, 280 | 16 | 800 |
| 218, 320 | Sargent, James F., Strafford, Vt. Sugar-evaporator | Aug. 5, 1879 | 234 | 63 | 16 | 252 |
| 222, 536 | Sargent, James T., Cleveland, Ohio. Wash-board | Dec. 9, 1879 | 480 | 136 | 16 | 1083 |
| 211, 348 | Sargent, John S., Wakefield, assignor to Wakefield Rattan Company, Boston, Mass. Door-mat | Jan. 14, 1879 | 327 | 96 | 15 | 43 |
| 215, 246 | Sargent, Joseph B., New Haven, Conn. Snap-hook | May 13, 1879 | 318 | 94 | 15 | 746 |
| 216, 577 | Sargent, Samuel D., assignor to Stanley Rule and Level Company, New Britain, Conn. Flexible-faced plane-stock | June 17, 1879 | 652 | 185 | 15 | 985 |
| | Sargent, Zebadiah. (*See* Chase & Sargent.) | | | | | |
| | Sarles, Emmett. (*See* Jones, George, assignor) (Reissue.) | | | | | |
| 220, 036 | Sarratt, James F., Steubenville, Ohio. Astronomical clock or cosmochronotrope | Sept. 30, 1879 | 1128 | 311, 312 | 16 | 594 |
| 211, 793 | Sarre, Rudolph, assignor to G. Stobwasser, Berlin, Prussia. Lamp | Jan. 28, 1879 | 853 | 238 | 15 | 116 |
| | Satterthwaite, Edward, *et al.* (*See* Hutton, Thomas R., assignor.) | | | | | |
| | Satterthwaite, William, *et al.* (*See* Hutton, Thomas R., assignor.) | | | | | |
| | Sauer, George H. (*See* Terry & Sauer.) | | | | | |
| 221, 866 | Sauerbier, Henry and J., Newark, N. J. Leather-splitting machine | Nov. 18, 1879 | 849 | 237 | 16 | 946 |
| 221, 867 | Same.....same | Nov. 18, 1879 | 850 | 238 | 16 | 946 |
| 221, 868 | Same.....Rein-rounding machine | Nov. 18, 1879 | 851 | 238 | 16 | 946 |
| | Sauerbier, Julius. (*See* Sauerbier, Henry and J.) | | | | | |
| 221, 106 | Sauls, William W., Denison, Tex. Cotton-chopper | Oct. 28, 1879 | 1056 | 280 | 16 | 800 |
| 220, 946 | Saunders, Benjamin, Nashua, N. H. Spinning-machine | Oct. 28, 1879 | 868 | 232, 233 | 16 | 776 |
| 218, 779 | Saunders, Herbert R., Saint Louis, Mo. Combined treadle and hand lever | Aug. 19, 1879 | 778 | 221 | 16 | 345 |
| 211, 794 | Saunders, Ira J., Davisville, Cal. Shoe-fastener | Jan. 28, 1879 | 855 | 239 | 15 | 116 |
| | Sauveur, Louis, *et al.* (*See* De Bary, Adolphe, assignor.) | | | | | |
| 221, 942 | Savage, James, Canarsie, N. Y. Vapor-gas apparatus | Nov. 25, 1879 | 955 | 268 | 16 | 969 |
| 8, 535 | Savage, James S., Newton, Mass. Registering ballot-box (Reissue) | Jan. 7, 1879 | 242 | 70 | 15 | 31 |
| | Savage, J. B., *et al.* (*See* Miller, Robert R., assignor) (Reissue.) | | | | | |
| 212, 515 | Savage, William H. G., Kingston, Ontario, Canada. Glazier's tool | Feb. 18, 1879 | 824 | 228 | 15 | 238 |
| 215, 682 | Same.....Bottle-stopper | May 20, 1879 | 819 | 239 | 15 | 822 |
| 219, 118 | Savill, Edward, Lexington, Ky., assignor to self, J. H. Davidson, G. E. Billingsley, and W. F. White. Machine for carbureting air | Sept. 2, 1879 | 68 | 22 | 16 | 421 |
| 219, 413 | Sawdon, William F., and H. North, assignors of one-third interest to W. G. Cragg, Dresden, Ontario, Canada. Metallic hub | Sept. 9, 1879 | 422 | 117 | 16 | 473 |
| | Sawyer, Charles B., *et al.* (*See* Irwin, John H., assignor) (Reissue.) | | | | | |
| 220, 666 | Sawyer, Francis A., 2d, Boston, Mass., assignor to Rubber Step Manufacturing Company. Step for carriages | Oct. 14, 1879 | 523 | 138, 139 | 16 | 713 |
| 220, 667 | Same.....Carriage-step | Oct. 14, 1879 | 525 | 139 | 16 | 713 |
| 220, 432 | Sawyer, Hamilton J., and E. W. Wright, Lowell, Mass. Hardening and correcting circular metal cutters | Oct. 7, 1879 | 244 | 65 | 16 | 668 |
| 220, 668 | Sawyer, Jacob H., Lowell, Mass. Apparatus for testing strain of belts or bands | Oct. 14, 1879 | 527 | 140 | 16 | 713 |
| | Sawyer, Lodowick L. (*See* Buckley & Sawyer.) | | | | | |
| 217, 709 | Sawyer, Rapha A., Martin's Ferry, Ohio. Engraving and dressing glass and other substances | July 22, 1879 | 901 | 258 | 16 | 149 |
| 222, 537 | Sawyer, Sylvester, Gardner, Mass. Bicycle | Dec. 9, 1879 | 481 | 136 | 16 | 1083 |
| 211, 262 | Sawyer, William E., New York, and A. Man, Brooklyn, N. Y. Carbon for electric lights | Jan. 7, 1879 | 201 | ..... | 15 | 26 |
| 219, 771 | Sawyer, William E., New York, N. Y. Electric lamp | Sept. 16, 1879 | 812 | 224, 225 | 16 | 534 |
| | Sawyer Woolen Mills. (*See* Brooks, Isaac, assignor) (Reissue.) | | | | | |
| 218, 066 | Sayholt, George M., Philadelphia, Pa., assignor to Lockwood Brothers & Holly, New York, N. Y. Electric oil-tester | July 29, 1879 | 1297 | 371 | 16 | 208 |
| 213, 301 | Saylor, Livingston, Baltimore, Md. Piston-rod packing | Mar. 18, 1879 | 635 | 179 | 15 | 394 |
| 212, 626 | Sayre, Thomas J., Cape May City, N. J. Lawn-mower | Feb. 25, 1879 | 961 | 265 | 15 | 265 |
| | Scantlin, James M. (*See* Scantlin, Thomas, J. M., and T. E.) | | | | | |
| | Scantlin, Thomas. (*See* Scantlin, Thomas, J. M., and T. E.) | | | | | |
| 217, 489 | Scantlin, Thomas, J. M., and T. E., Evansville, Ind. Oil-can | July 15, 1879 | 637 | 182 | 16 | 105 |
| 220, 669 | Scarborough, Jonathan L., Oliver's, Tenn. Rolling-pin | Oct. 14, 1879 | 529 | 140 | 16 | 713 |
| 217, 243 | Scarborough, William W., and W. S. Bates, Cincinnati, Ohio. Waste-pipe trap | July 8, 1879 | 363 | 107 | 16 | 58 |
| 223, 173 | Scattergood, Edward B., Ithaca, Mich. Piano-lid | Dec. 30, 1879 | 1235 | 349 | 16 | 1220 |
| 8, 672 | Schaefer, Charles A., Chicago, Ill., assignor, by mesne assignments, to O. S. Judd, New Britain, Conn. Sash-supporter (Reissue) | Apr. 15, 1879 | 887 | 250 | 15 | 603 |
| 217, 642 | Schaefer, George W., Saint Louis, Mo. Horse-hoof-paring machine | July 15, 1879 | 806 | 230 | 16 | 127 |
| 220, 872 | Schaefer, John A., assignor to J. A. Schaefer, jr., W. Norman, and R. W. Davies, New York, N. Y. Extracting malt in the manufacture of beer | Oct. 21, 1879 | 766 | ..... | 16 | 753 |
| 212, 576 | Schaefer, John C., New York, N. Y. Safety-valve | Feb. 25, 1879 | 908 | 251 | 15 | 258 |
| 215, 399 | Schaefer, Ludwig B., and H. Hennings, Baltimore, Md. Scholar's companion | May 13, 1879 | 484 | 144 | 15 | 768 |
| | Schaeffer & Budenberg. (*See* Reisert, Edward, assignor.) | | | | | |
| | Same.....(*See* Reisert, Edward, assignor.) | | | | | |
| 217, 412 | Schaerff, Carl, Philadelphia, Pa. Dental plugger | July 8, 1879 | 538 | 154 | 16 | 80 |
| 218, 321 | Same.....same | Aug. 5, 1879 | 235 | 63 | 16 | 252 |
| 218, 067 | Schafer, Daniel, Parkersburg, W. Va. Writing-table | July 29, 1879 | 1299 | 372 | 16 | 208 |
| 217, 159 | Schaffer, Jacob C., assignor of one-half interest to H. L. Becker, Rochester, N. Y. Bottle-stopper | July 1, 1879 | 259 | 76 | 16 | 36 |
| 212, 749 | Schall, Jonas, Mohawk, N. Y. Post-office box | Feb. 25, 1879 | 1080 | 300 | 15 | 281 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 215, 400 | Schambs, Mathies P., Mansfield, Ohio. Piano-stool | May 13, 1879 | 485 | 144 | 15 | 768 |
| 215, 683 | Schanck, La Fayette S., Marlborough, N. J. Insect-destroyer | May 20, 1879 | 820 | 240 | 15 | 822 |
| 220, 434 | Schantt, Lewis, Silverton, Colo. Ore roasting and smelting furnace | Oct. 7, 1879 | 246 | 66 | 16 | 669 |
| 215, 482 | Schapker, Bernard, Evansville, Ind. Spring bed-bottom | May 20, 1879 | 598 | 176 | 15 | 492 |
| 8, 561 | Scharnweber, Henry C., and E. Barkham, Commerce, Mich. Corn-sheller..(Reissue) | Jan. 28, 1879 | 907 | 255 | 15 | 123 |
| 216, 221 | Scharnweber, William, Jefferson, Ill. Racks for holding rope-coils | June 3, 1879 | 222 | 66 | 15 | 913 |
| | Schattenbrand, Carl. (*See* Möller, Andreas E., assignor.) | | | | | |
| 220, 550 | Schaub, Edward, Chicago, Ill. Cartridge belt and holder | Oct. 14, 1879 | 394 | 102 | 16 | 696 |
| 220, 670 | Schaubel, Henry, assignor of one-half interest to E. L. Levy, Philadelphia, Pa. Superheater for steam-boilers | Oct. 14, 1879 | 530 | 140 | 16 | 714 |
| | Schaupp, Albert. (*See* Kersten & Schaupp.) | | | | | |
| | Scheel, Hans E. T., administrator. (*See* Beck, Frederick C.) | | | | | |
| 212, 627 | Scheffler, Theodore, Paterson, N. J. Instrument for drawing arcs of circles | Feb. 25, 1879 | 961 | 266 | 15 | 265 |
| 8, 584 | Scheider, Joseph, New York, N. Y., assignor to L. Ingersoll. Gravy-strainer. (Reissue) | Feb. 18, 1879 | 843 | 234 | 15 | 241 |
| 215, 071 | Schellert, Charles R., Indianapolis, Ind. Freight-car door | May 6, 1879 | 97 | 29 | 15 | 715 |
| 213, 455 | Schenck, Albert, Philadelphia, Pa. Mustache cup and glass | Mar. 18, 1879 | 785 | 221 | 15 | 415 |
| | Schenck, Allen. (*See* Halbert, A. W., assignor).....(Reissue.) | | | | | |
| 218, 581 | Schenck, John S., Piqua, Ohio. Carpenter's and painter's stage | Aug. 12, 1879 | 545 | 154 | 16 | 305 |
| 215, 483 | Schenck, Marcus P., Fulton, N. Y. Cider-press | May 20, 1879 | 600 | 176 | 15 | 792 |
| | Schenck & Schlichte. (*See* Imhof, Frank, assignor.) | | | | | |
| | Scherer, Joseph. (*See* Mohr, Martin, assignor.) | | | | | |
| 213, 531 | Scherer, Joseph, assignor of one-half interest to A. Reid, Buffalo, N. Y. Pump-valve | Mar. 25, 1879 | 871 | 248 | 15 | 434 |
| 219, 312 | Schieffelin, Effingham L., East Chester, N. Y. Brick | Sept. 2, 1879 | 294 | 82 | 16 | 449 |
| 221, 617 | Schier, John, Ellinger, Tex. Cotton-sprinkler | Nov. 11, 1879 | 553 | 152 | 16 | 898 |
| 214, 262 | Schifferle, Fridolin, Saint Louis, Mo. Stove | Apr. 15, 1879 | 639 | 179 | 15 | 571 |
| 214, 320 | Schifferly, Conrad, assignor of one-half interest to C. Schively, North Manchester, Ind. Washing-machine | Apr. 15, 1879 | 715 | 200 | 15 | 580 |
| 216, 222 | Same.....Nut-lock | June 3, 1879 | 223 | 66 | 15 | 913 |
| 218, 780 | Schilbach, Herman, Hobart, Ind. Conductor's ticket-punch | Aug. 19, 1879 | 779 | 221 | 16 | 345 |
| 214, 712 | Schilling, Gustav, assignor to S. Florsheim, Chicago, Ill. Elastic gore for gaiters | Apr. 22, 1879 | 1162 | 327 | 15 | 645 |
| 218, 322 | Schilling, Gustav, assignor of one-half interest to S. Florsheim, Chicago, Ill. Glove | Aug. 5, 1879 | 236 | 64 | 16 | 252 |
| 222, 082 | Schilling, Gustav, and S. Florsheim, Chicago, Ill. Corset | Nov. 25, 1879 | 1105 | 311 | 16 | 990 |
| 217, 490 | Schilling, William J., assignor to Carter, Dinsmore & Co., New York, N. Y. Mucilage-holder | July 15, 1879 | 638 | 182 | 16 | 105 |
| 213, 945 | Schillinger, John J., New York, N. Y. Fire-proof building | Apr. 1, 1879 | 224 | 66 | 15 | 502 |
| 221, 107 | Same .....same | Oct. 28, 1879 | 1057 | 280 | 16 | 800 |
| 214, 958 | Schinzel, John, Lansing, Iowa, and P. Henrichs, La Crosse, Wis. Bottle-stopper fastening | Apr. 29, 1879 | 1442 | 401, 402 | 15 | 689 |
| 212, 057 | Schirrmeister, Charles, Brooklyn, N. Y. Sewer | Feb. 4, 1879 | 273 | 74 | 15 | 160 |
| | Schlacks, Henry. (*See* Hayes, Jeffery & Schlacks.) | | | | | |
| 211, 263 | Schlacks, Henry, and G. E. Hayes, Chicago, Ill. Cylinder-cock | Jan. 7, 1879 | 202 | 59 | 15 | 26 |
| 217, 491 | Schlag, Edward, Chicago, Ill. Agricultural implement | July 15, 1879 | 640 | 182 | 16 | 105 |
| | Schlag, Theodore. (*See* Feldman & Schlag.) | | | | | |
| 222, 081 | Schlatter, Heinrich, and H. C. Gros, Reutlingen, Würtemberg, Germany. Machine for calendering paper and other materials | Nov. 25, 1879 | 1103 | 310, 311 | 16 | 990 |
| 218, 781 | Schlegell, Frederick, assignor to Lindell Railway Company, Saint Louis, Mo. Money-drawer for fare-boxes | Aug. 19, 1879 | 780 | 222 | 16 | 345 |
| 212, 516 | Schleicher, Gustav, Mount Vernon, N. Y. Circular saw | Feb. 18, 1879 | 825 | 229 | 15 | 239 |
| | Schlerf, Philip. (*See* Maxwell, Isaac P., assignor.) | | | | | |
| | Schleus, G. Adolph, *et al.*, executors. (*See* Dost, Theodore, assignor.) | | | | | |
| 218, 140 | Schlossstein, John F., Fountain City, Wis. Bosom-board | Aug. 5, 1879 | 41 | 11 | 16 | 226 |
| 217, 160 | Schlott, John H., Freeport, assignor of one-half interest to J. S. Emmert and L. F. Burrell, Chicago, Ill. Caster | July 1, 1879 | 260 | 77 | 16 | 36 |
| 217, 161 | Same.....same | July 1, 1879 | 261 | 77 | 16 | 36 |
| 222, 538 | Same.....Furniture-caster | Dec. 9, 1879 | 484 | 137 | 12 | 1083 |
| 218, 141 | Schlueter, Henry F., Cincinnati, Ohio. Sewing-machine | Aug. 5, 1879 | 41 | 11 | 16 | 226 |
| 216, 462 | Schmetzer, Louis, Rothenburg-on-the-Tauber, Bavaria, Germany. Top for children's carriages | June 10, 1879 | 521 | 148, 149 | 15 | 958 |
| 211, 265 | Schmidt, Christian, Quarryville, Pa. Bolt-cutter | Jan. 7, 1879 | 205 | 59 | 15 | 26 |
| 219, 178 | Schmidt, Christian C., New York, N. Y. Steam-pressure regulator | Sept. 2, 1879 | 131 | 40 | 16 | 429 |
| 215, 167 | Schmidt, Edward, Philadelphia, Pa. Feather-renovator | May 6, 1879 | 213 | 62 | 15 | 729 |
| 219, 656 | Schmidt, Friedrich E., Brooklyn, N. Y. Button-hole sewing-machine | Sept. 16, 1879 | 693 | 192 | 16 | 517 |
| | Schmidt, Henry A. (*See* Baumgartner, John, assignor.) | | | | | |
| 217, 643 | Schmidt, Johann L., Dortmund, Prussia, Germany. Hose-coupling | July 15, 1879 | 807 | 230 | 16 | 127 |
| 211, 264 | Schmidt, John C., New Cassel, Wis. Spring bed-bottom | Jan. 7, 1879 | 204 | 59 | 15 | 26 |
| 219, 657 | Schmidt, John C., Westfield, Mass. Compound for enameling wood, &c | Sept. 16, 1879 | 693 | ..... | 16 | 518 |
| 217, 553 | Schmincke, Charles H., Baltimore, Md. Grain-meter | July 15, 1879 | 709 | 202 | 16 | 115 |
| 214, 846 | Schmitt, Leopold, Rochester, N. Y. Toe-weight for horseshoes | Apr. 29, 1879 | 1333 | 371 | 15 | 675 |
| 219, 367 | Schmitt, Peter J., Chicago, assignor of one-fourth interest to G. Siegel, Carlinville, Ill. Elevator | Sept. 9, 1879 | 367 | 103 | 16 | 467 |
| 223, 174 | Schmitz, Joseph P., Winona, Minn. Horse-collar cap | Dec. 30, 1879 | 1235 | 349 | 16 | 1221 |
| 211, 268 | Schnebel, Louis H., Mullica Hill, N. J. Spark-arrester | Jan. 7, 1879 | 207 | 60 | 15 | 27 |
| 220, 433 | Schneck, Henry P., Huntingburg, Ind. Hay-carrier | Oct. 7, 1879 | 244 | 66 | 16 | 669 |
| 219, 984 | Schneckenburger, Robert, assignor to self and S. A. Frost, Jackson, Mich. Rotary steam-engine | Sept. 23, 1879 | 1061 | 294 | 16 | 577 |
| 223, 175 | Same.....Packing for rotary engines | Dec. 30, 1879 | 1236 | 349 | 16 | 1221 |
| | Schneer, Isaac. (*See* Ohlenschlager, J. Charles E., assignor.) | | | | | |
| | Schneider, Bennett B. (*See* Staehlen, William, assignor.) | | | | | |
| 215, 401 | Schneider, Henri E. A., Paris, France. Rotary puddling-furnace | May 13, 1879 | 486 | 144, 145 | 15 | 768 |
| 215, 168 | Schneider, William, Philadelphia, Pa. Basket | May 6, 1879 | 214 | 62 | 15 | 729 |
| 214, 459 | Schnell, Robert, assignor to self and S. V. Hanft, Saint Paul, Minn. Sand-guard | Apr. 15, 1879 | 863 | 243 | 15 | 600 |
| 222, 798 | Schnoor, John J. F., Davenport, Iowa. Pantograph | Dec. 23, 1879 | 801 | 230 | 16 | 1150 |
| 211, 270 | Schnopp, Ernst, East New York, N. Y. Fastening for pocket-books, satchels, &c | Feb. 11, 1879 | 513 | 143 | 15 | 194 |
| | Schobert, Peter. (*See* McAneny & Schobert.) | | | | | |
| 211, 865 | Schock, James J., assignor of one-half interest to A. N. Kellogg and E. E. Pratt, Chicago, Ill. Cleaning type | Feb. 4, 1879 | 59 | 16 | 15 | 132 |
| 211, 795 | Schoenfeld, Joseph, and A. R. Guilmet, sr., Paris, France. Manufacture of rubber articles to imitate bronze, &c | Jan. 28, 1879 | 855 | ..... | 15 | 116 |
| 218, 068 | Schoenthaler, Daniel, Williamsville, N. Y. Trace-buckle | July 29, 1879 | 1300 | 372 | 16 | 208 |
| 211, 594 | Schofield, Alfred, Wrentham, Mass. Scarf-ring | Jan. 21, 1879 | 608 | 171 | 15 | 81 |
| 222, 742 | Schofield, James, New York, N. Y. Speed-accelerator | Dec. 16, 1879 | 730 | 209, 210 | 16 | 1129 |
| 221, 869 | Schofield, William, Baltimore, Md. Shutter-bower | Nov. 18, 1879 | 852 | 238 | 16 | 946 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 217, 644 | Scholes, James, assignor of one-half interest to S. F. Hodge, Detroit, Mich. Feed-water heater | July 15, 1879 | 808 | 230 | 16 | 127 |
| | Scholl, John, sr. (*See* Steinman & Scholl.) | | | | | |
| 212, 271 | Schollian, Gottlieb, Dubuque, Iowa. Combined overalls and jumper | Feb. 11, 1879 | 514 | 143 | 15 | 194 |
| 214, 713 | Scholz, Charles, assignor of one-half interest to W. H. Nauman, Dayton, Ohio. Horse hay-rake | Apr. 22, 1879 | 1163 | 327 | 15 | 645 |
| 214, 200 | Scholze, Theodore, Angola, Ind. Mechanical movement | Apr. 8, 1879 | 542 | 155 | 15 | 549 |
| 212, 406 | Schoonover, James, Jacksonville, Ill. Middlings-separator | Feb. 18, 1879 | 677 | 189 | 15 | 219 |
| 218, 142 | Schowe, William F., Indianapolis, Ind. Screw-bolt | Aug. 5, 1879 | 42 | 11 | 16 | 226 |
| 216, 808 | Schrader, August, assignor to Goodyear Rubber Curler Company, New York, N. Y. Plant-sprinkler | June 24, 1879 | 925 | 263 | 15 | 1030 |
| 222, 313 | Schram, Adelbert C., Flint, Mich. Plow | Dec. 2, 1879 | 218 | 58 | 16 | 1039 |
| 219, 120 | Schreier, Herman, Sheboygan, Wis. Fire-proof chimney | Sept. 2, 1879 | 71 | 23 | 16 | 422 |
| | Schrenkeisen, H., *et al.* (*See* Kayser, Joseph, assignor.) | | | | | |
| | Schrenkeisen, M., , *et al.* (*See* Kayser, Joseph, assignor.) | | | | | |
| 211, 266 | Schroder, Anson A., Warren, Ill. Door-spring | Jan. 7, 1879 | 265 | 60 | 15 | 27 |
| | Schroeder & Co., J. (*See* Rabenau, Martin, assignor.) | | | | | |
| 213, 840 | Schroeder, Frederick W., assignor of one-half interest to A. Hegewisch and D. M. Monjo, New York, N. Y. Car-truck | Apr. 1, 1879 | 118 | 36 | 15 | 488 |
| 213, 841 | Same.....Laminated railway-bearing cushion | Apr. 1, 1879 | 119 | 36 | 15 | 488 |
| 213, 842 | Same.....Car-axle box | Apr. 1, 1879 | 120 | 36 | 15 | 488 |
| 221, 702 | Schroeder, Frederick W., assignor of one-half interest to A. Hegervisch and D. M. Monjo, New York, N. Y. Brewer's boiler | Nov. 18, 1879 | 651 | 182 | 16 | 920 |
| 218, 782 | Schroeder, Johann H., Beaufort, S. C. Liquid-cooler | Aug. 19, 1879 | 781 | 222 | 16 | 345 |
| 215, 672 | Schuchard, Frank G., assignor to self and W. F. Jordan, Brooklyn, N. Y. Carbureter | May 6, 1879 | 97 | 29 | 15 | 715 |
| 222, 642 | Schuckers, Jacobs W., Philadelphia, Pa., assignor to J. H. Oberly, trustee, Springfield, Ill. Machine for making stereotype-matrices | Dec. 16, 1879 | 627 | 179 | 16 | 1114 |
| 222, 843 | Schuessler, August T., Newark, N. J. Apparatus for gas-analysis | Dec. 23, 1879 | 854 | 246 | 16 | 1157 |
| 211, 527 | Schuffler, Carl, New York, N. Y. Ventilator for hats | Jan. 21, 1879 | 528 | 149 | 15 | 70 |
| 220, 435 | Schuhmacher, Johannes, Roemische Posel, Soernewitz bei Meissen, Koenigr Sachsen, Germany, assignor to L. Graf, Van Buren, Ark. Producing colored pictures upon linen or other material | Oct. 7, 1879 | 248 | ..... | 16 | 669 |
| 214, 668 | Schuhmacher, Johannes C., Blasewitz, near Dresden, Saxony, Germany, assignor to F. W. Mathias, Saint Louis, Mo. Coloring photographs | Apr. 8, 1879 | 316 | ..... | 15 | 522 |
| 218, 832 | Schulenburg, August W., Saint Louis, Mo. Shipping-tanks for fluids | Aug. 26, 1879 | 861 | 242 | 16 | 366 |
| | Schülke, Julius. (*See* Pintsch, Schülke & Gottheil.) | | | | | |
| 218, 457 | Schultheis, John F., New York, N. Y. Stilts | Aug. 12, 1879 | 402 | 111 | 16 | 285 |
| 219, 879 | Schultz, Alexander H., New York, N. Y. Sample envelope | Sept. 23, 1879 | 946 | 261 | 16 | 561 |
| 220, 671 | Schultz, J. Theodor, Uhlenhorst, near Hamburg, Germany. Boot and shoe cleaning and polishing machine | Oct. 14, 1879 | 530 | 146 | 16 | 714 |
| 8, 798 | Schultz, Michael, Cincinnati, Ohio. Steam-pump.....(Reissue) | July 8, 1879 | 585 | 168 | 16 | 86 |
| 218, 644 | Same.....same | Aug. 19, 1879 | 633 | 178 | 16 | 325 |
| 220, 178 | Schultz, Robert, Kattowitz, Prussia, Germany. Air-brake for railway-cars | Sept. 30, 1879 | 1298 | 358, 359 | 16 | 618 |
| 217, 413 | Schultz, William, Birmingham, Conn. Hair-pin | July 8, 1879 | 539 | 155 | 16 | 80 |
| 211, 429 | Schulz, Friedrich W., Mount Pleasant, Iowa. Self-loading cart | Jan. 14, 1879 | 418 | 119 | 15 | 53 |
| 216, 899 | Schulz, Rudolph, and E. O. Nagel, Detroit, Mich. Bottle-washing machine | June 24, 1879 | 1022 | 290 | 15 | 1042 |
| | Schumacher, Ferdinand. (*See* Thorp, Lucien G., assignor.) | | | | | |
| | Schünemann, Henry, *et al.* (*See* Goldmann, Benno, assignor.) | | | | | |
| 212, 113 | Schurch, Samuel, jr., and F. L. Cooper, Philadelphia, Pa. Machine for cutting meat or vegetables | Feb. 11, 1879 | 339 | 93 | 15 | 171 |
| | Schussler, Charles. (*See* Watters, John, assignor).....(Reissue.) | | | | | |
| 211, 267 | Schutte, Louis, Philadelphia, Pa. Injector | Jan. 7, 1879 | 206 | 60 | 15 | 27 |
| 215, 544 | Same.....same | May 20, 1879 | 665 | 194 | 15 | 801 |
| | Schuyler, Alice E. (*See* Blunt, Edmund, assignor.) | | | | | |
| 211, 188 | Schwab, Gabriel, New York, N. Y. Dress-train supporter | Jan. 7, 1879 | 123 | 38 | 15 | 17 |
| 214, 714 | Schwartz, Charles, New York, N. Y. Toy | Apr. 22, 1879 | 1165 | 328 | 15 | 645 |
| | Schwarz & Brother, Adolph. (*See* Girbardt, Leonhard, assignor).....(Reissue.) | | | | | |
| 211, 189 | Schwarz, Marcus, and J. Spohr, assignors to J. Blankenstein, New York, N. Y. Cigar-box | Jan. 7, 1879 | 124 | 38 | 15 | 17 |
| 217, 162 | Schweckendiek, Henry W., Baltimore, Md. Temporary binder for books | July 1, 1879 | 262 | 77 | 16 | 36 |
| 216, 224 | Schwehr, Albert, Sandusky, Ohio. Device for manufacturing hoes | June 3, 1879 | 224 | 66 | 15 | 913 |
| 219, 772 | Schwehr, Joseph, Paris, France. Fastening gems | Sept. 16, 1879 | 814 | 225 | 16 | 534 |
| 216, 578 | Schweikhard, Daniel, Leroy, Mich. Churn | June 17, 1879 | 654 | 185 | 15 | 985 |
| 213, 781 | Schweizer, Gustav, San José, Ill. Wind-wheel | Apr. 1, 1879 | 53 | 17 | 15 | 480 |
| | Schwendemann, George. (*See* Drian & Schwendemann.) | | | | | |
| 211, 796 | Schwendler, William, Appleton, Wis. Gate-roller | Jan. 28, 1879 | 856 | 239 | 15 | 116 |
| 216, 223 | Schwenkel, Caroline, New York, N. Y. Artificial flower | June 3, 1879 | 223 | ..... | 15 | 913 |
| 215, 169 | Scivalley, Martin L., assignor of one-half interest to J. N. McCutcheon, Winchester, Tenn. Wash-tub | May 6, 1879 | 215 | 62 | 15 | 729 |
| 220, 210 | Scivalley, Martin L., Winchester, Tenn. Sulky revolving harrow | Sept. 30, 1879 | 1337 | 369 | 16 | 624 |
| 218, 833 | Scofield, Levi, assignor of one-half interest to J. B. Wait, Grand Haven, Mich. Corn-planter | Aug. 26, 1879 | 862 | 242, 243, 244 | 16 | 366 |
| 213, 843 | Scoggin, Joseph, Rutherfordton, N. C. Guano and seed distributer | Apr. 1, 1879 | 122 | 36 | 15 | 488 |
| | Scott, Andrew C. (*See* Knights, John, assignor.) | | | | | |
| 211, 935 | Scott, David A., South Boston, Mass. Broom-stock holder | Feb. 4, 1879 | 127 | 37 | 15 | 142 |
| 213, 137 | Scott, Erastus W., Wauregan, Conn. Whip-socket | Mar. 11, 1879 | 445 | 123 | 15 | 362 |
| 212, 058 | Scott, George L., and C. McCumber, Minneapolis, Minn. Rubber-oil | Feb. 4, 1879 | 273 | ..... | 15 | 160 |
| 214, 321 | Scott, Irving M., San Francisco, Cal. Air-valve | Apr. 15, 1879 | 716 | 200 | 15 | 580 |
| 219, 179 | Same.....Automatic governor and cut-off attachment | Sept. 2, 1879 | 133 | 40 | 16 | 429 |
| 215, 980 | Scott, James, Denver, Colo. Cam for stamp-mills | May 27, 1879 | 1149 | 334 | 15 | 872 |
| 219, 988 | Scott, Lemuel W., assignor of one-half interest to S. Carsley, Montreal, Quebec, Canada. Fittings for sinks and other outlets for waste | Sept. 23, 1879 | 1064 | 295 | 16 | 578 |
| 220, 992 | Scott, Merrit B., North Manchester, Conn. Neck-tie fastener | Oct. 28, 1879 | 929 | 248 | 16 | 783 |
| 217, 414 | Scott, Pembroke, Philadelphia, Pa. Fire-kindler | July 8, 1879 | 540 | 155 | 16 | 80 |
| 221, 367 | Scott, Rial, Alexis, Ill. Three-horse equalizer | Nov. 4, 1879 | 256 | 69 | 16 | 848 |
| | Scott, Robert. (*See* Garrett, Henry, assignor.) | | | | | |
| 220, 498 | Scott, Samuel, Plain City, Ohio. Halter | Oct. 14, 1879 | 336 | 87 | 16 | 688 |
| 219, 987 | Scott, Samuel and W., Floyd Court-House, Va. Tree-protector | Sept. 23, 1879 | 1063 | 295 | 16 | 578 |
| 222, 604 | Scott, Sylvester, Rockford, Ill. Refrigerator | Dec. 16, 1879 | 577 | 165 | 16 | 1107 |
| 211, 595 | Scott, Thomas, San Francisco, Cal. Coin-press | Jan. 21, 1879 | 609 | 172 | 15 | 81 |
| 211, 596 | Same.....same | Jan. 21, 1879 | 609 | 172 | 15 | 81 |
| 216, 108 | Scott, T. Seymour, Philadelphia, Pa. Manufacture of flexible paper | June 3, 1879 | 105 | ..... | 15 | 898 |
| 216, 109 | Same.....Oil-printed paper for floors | June 3, 1879 | 105 | ..... | 15 | 898 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 220, 873 | Scott, Walter, Chicago, Ill. Paper-folding machine | Oct. 21, 1879 | 767 | 204, 205 | 16 | 753 |
| 221, 193 | Same.....Stopping and reversing mechanism for machinery | Nov. 4, 1879 | 59 | 16 | 16 | 820 |
| 221, 366 | Same.....Machine for shaving and trimming stereotype-plates | Nov. 4, 1879 | 255 | 69 | 16 | 848 |
| 221, 703 | Same.....Sheet-delivering apparatus for printing-machines | Nov. 18, 1879 | 652 | 183 | 16 | 920 |
| 221, 704 | Same.....Printing and folding machine | Nov. 18, 1879 | 654 | 183, 184 | 16 | 920 |
| 222, 159 | Same.....Stopping and reversing mechanism for printing and other machinery | Dec. 2, 1879 | 47 | 12 | 16 | 1015 |
| 219, 986 | Scott, Walter A., and G. W. Williams, Winona, Minn. Smoke-stack | Sept. 23, 1879 | 1063 | 295 | 16 | 577 |
| | Scott, William H. (*See* Putnam & Scott.) | | | | | |
| 215, 022 | Scott, William M., Birmingham, England. Gun-lock | May 6, 1879 | 43 | 13 | 15 | 708 |
| 217, 821 | Scott, William W., Sumner, assignor of one-third interest to C. H. Clough and J. N. Mitchell, New Hampton, Iowa. Car-coupling | July 22, 1879 | 1018 | 292 | 16 | 164 |
| 219, 985 | Scott, Wilson D., San Francisco, Cal. Bung | Sept. 23, 1879 | 1062 | 294 | 16 | 577 |
| | Scott, Winfield. (*See* Scott, Samuel and W.) | | | | | |
| 221, 108 | Scouller, Alexander, Ottumwa, Iowa. Oatmeal-machine | Oct. 28, 1879 | 1058 | 280 | 16 | 800 |
| 221, 194 | Scovell, Frank B., Waterford, Ontario, Canada. Safety-valve | Nov. 4, 1879 | 60 | 16 | 16 | 820 |
| | Scoville Manufacturing Company. (*See* Munger, Joseph, assignor.) | | | | | |
| | Same.....(*See* Spruce, James, assignor.) | | | | | |
| 8, 771 | Scribner, George W., Chatham, Ontario, Canada. Reed-organ.....(Reissue) | June 24, 1879 | 1067 | 302 | 15 | 1048 |
| | Scudder, Daniel, jr. (*See* Gray, Lawrence N. B., assignor.) | | | | | |
| 220, 436 | Scudder, William H., Saint Louis, Mo. Smoke-house | Oct. 7, 1879 | 249 | 66 | 16 | 669 |
| 214, 715 | Scully, Lawrence, Meridian, Miss. Weather-strip | Apr. 22, 1879 | 1166 | 328 | 15 | 645 |
| | Scully, William. (*See* Dillon & Scully.) | | | | | |
| 216, 900 | Scully, William, assignor to Detroit Iron and Brass Manufacturing Company, Detroit, Mich. Boiler-furnace | June 24, 1879 | 1024 | 291 | 15 | 1043 |
| | Seabury, Samuel. (*See* McCook & Seabury.) | | | | | |
| 217, 960 | Seager, Paul H., Manteno, Ill. Stove-pipe | July 29, 1879 | 1184 | 339 | 16 | 193 |
| 213, 456 | Seaman, Horace W., Mill Port, N. Y. Toaster and broiler | Mar. 18, 1879 | 786 | 222 | 15 | 415 |
| | Seaman, John A. (*See* Locke, Charles S., assignor.) | | | | | |
| 214, 201 | Seaman, Joseph, Racine, Wis. Plow | Apr. 8, 1879 | 543 | 155 | 15 | 549 |
| 216, 226 | Seamans, Oscar B., and J. H. Glezen, assignors of one-third interest to E. A. Ranney, Coalville, Iowa. Corn-planter | June 3, 1879 | 226 | 67 | 15 | 913 |
| 216, 487 | Seamen, Eber C., assignor of one-half interest to C. H. Vautier, Philadelphia, Pa. Hot-bed-sash ventilator | June 10, 1879 | 543 | 155 | 15 | 961 |
| 213, 782 | Seanor, John, Cedar Rapids, Iowa. Method of and machine for reducing ores | Apr. 1, 1879 | 54 | 18 | 15 | 480 |
| 212, 750 | Search, Casher F., assignor of one-half interest to J. C. Coonley, Chicago, Ill. Sulky-plow | Feb. 25, 1879 | 1081 | 300 | 15 | 281 |
| 212, 517 | Searl, John, and E. G. Bly, Haverhill, Mass. Shoe | Feb. 18, 1879 | 826 | 229 | 15 | 239 |
| | Searls, Anson. (*See* Underwood, John M., assignor.) | | | | | |
| 221, 618 | Sears, Charles, Chicago, Ill. Snath attachment | Nov. 11, 1879 | 553 | 153 | 16 | 898 |
| 214, 009 | Sears, Joseph, and W. H. Burnet, Chicago, Ill. Transporting and delivering lard in large quantities | Apr. 8, 1879 | 316 | 91 | 15 | 522 |
| | Sears, Volney R. (*See* Southard & Sears.) | | | | | |
| 216, 353 | Seat, William H., Fincastle, Va. Fence | June 10, 1879 | 398 | 113 | 15 | 942 |
| 213, 696 | Seath, James, Terre Haute, Ind. Car-axle-box lid | Mar. 25, 1879 | 1054 | 300 | 15 | 458 |
| 8, 606 | Seaver, Augustus, Boston, Mass. Stay for boots and shoes.....(Reissue) | Mar. 4, 1879 | 301 | 85 | 15 | 335 |
| | Seaver, John W. (*See* Kellogg & Seaver.) | | | | | |
| 223, 011 | Seaver, John W., assignor of one-half interest to R. H. Montgomery, Buffalo, N. Y. Machine for manufacturing bridge-irons | Dec. 30, 1879 | 1052 | 301 | 16 | 1196 |
| 216, 225 | Seavey, Hanson W., Portsmouth, N. H. Horse hay-fork | June 3, 1879 | 225 | 66 | 15 | 913 |
| 211, 597 | Seawright, David, New Brighton, Pa. Lamp-burner | Jan. 21, 1879 | 611 | 173 | 15 | 81 |
| 216, 463 | Secord, John F., North Greenwich, Conn. Chain-pump bucket | June 10, 1879 | 522 | 149 | 15 | 958 |
| 220, 310 | Secrest, Samuel, Byesville, Ohio. Portable ladder | Oct. 7, 1879 | 115 | 30, 31 | 16 | 650 |
| 216, 227 | Sedgwick, Charles, New York, N. Y. Collapsible drinking-cup | June 3, 1879 | 227 | 67 | 15 | 913 |
| 218, 323 | Sedgwick, Isham, Trenton, Ind. Wire-twister | Aug. 5, 1879 | 237 | 64, 65 | 16 | 252 |
| 223, 176 | See, James W., Hamilton, Ohio. Machine for perforating paper | Dec. 30, 1879 | 1236 | 350 | 16 | 1221 |
| 215, 247 | Seelbach, Rudolph L., Buffalo, N. Y. Overalls | May 13, 1879 | 318 | 94 | 15 | 746 |
| | Seeley, Marquis F. (*See* Gibson & Seeley.) | | | | | |
| | Seely, Hiram S. (*See* Van Riper & Seely.) | | | | | |
| 212, 272 | Seely, Obadiah, assignor of one-half interest to W. H. Phelps, Syracuse, N. Y. Door-spring | Feb. 11, 1879 | 515 | 143 | 15 | 194 |
| 222, 083 | Seelye, Nathan L., Montague, Mich., assignor to W. F. Temple, jr., Boston, Mass. Machine for finishing box-heads | Nov. 25, 1879 | 1106 | 311 | 16 | 990 |
| 220, 993 | Seelye, Norman M., Cambridge, Mass. Sand-paper roll | Oct. 28, 1879 | 930 | 248 | 16 | 783 |
| 221, 745 | Seery, Edward F., Providence, R. I. Making ornamental chains | Nov. 18, 1879 | 700 | 196 | 16 | 927 |
| 215, 981 | Segar, Charles T., Utica, N. Y. Spring-bed | May 27, 1879 | 1149 | 334 | 15 | 872 |
| 222, 955 | Same .... Spring bed-bottom | Dec. 23, 1879 | 982 | 282 | 16 | 1176 |
| 212, 156 | Seiberling, John F. and M., Akron, Ohio. Steam-boiler furnace | Feb. 11, 1879 | 388 | 106 | 15 | 178 |
| 8, 641 | Seiberling, John F., Akron, Ohio. Harvester.....(Reissue) | Mar. 25, 1879 | 1099 | 311, 312 | 15 | 464 |
| | Seiberling, Monroe. (*See* Seiberling, John F. and M.) | | | | | |
| 212, 155 | Seiberling, Monroe, assignor to Akron Straw Board Company, Akron, Ohio. Machine for making straw-boards | Feb. 11, 1879 | 387 | 105 | 15 | 177 |
| | Seibert Cylinder Oil Cup Company. (*See* Seibert, Nicholas, assignor.) | | | | | |
| 217, 645 | Seibert, Daniel B., Clear Spring, Md. Fanning-mill | July 15, 1879 | 808 | 231 | 16 | 127 |
| 214, 589 | Seibert, Nicholas, Malden, Mass., assignor to Seibert Cylinder Oil Cup Company, Hartford, Conn. Feed-indicator for oil-cups | Apr. 22, 1879 | 1033 | 290 | 15 | 628 |
| 8, 740 | Seibert, Nicholas, San Francisco, Cal. Lubricator.....(Reissue) | June 3, 1879 | 270 | 80 | 15 | 918 |
| 215, 402 | Seidel, Charles F. W., New York, N. Y. Ironing-table | May 13, 1879 | 489 | 145 | 15 | 768 |
| | Seidenshinner, Frederick. (*See* Rapp, Christian F., assignor.) | | | | | |
| 213, 457 | Seidensticker, F. Robert, assignor to Bradley & Hubbard Manufacturing Company, West Meriden, Conn. Extension lamp-fixture | Mar. 18, 1879 | 786 | 222 | 15 | 416 |
| 222, 539 | Seiffert, Louis M., Gladbach, Prussia, Germany. Grinding-machine | Dec. 9, 1879 | 485 | 137 | 16 | 1083 |
| 221, 109 | Seiler, Joseph, Norwalk, Conn. Coupling-brace for mirror-standards | Oct. 28, 1879 | 1059 | 281 | 16 | 800 |
| | Seilliere, Raymond. (*See* Morin & Seilliere.) | | | | | |
| | Seitz, John. (*See* Bauer & Seitz.) | | | | | |
| 216, 295 | Selby, James, Peoria, Ill. Corn-planter | June 10, 1879 | 327 | 96 | 15 | 933 |
| | Selden, Charles. (*See* Thompson & Selden.) | | | | | |
| | Same.....same.....(Reissue.) | | | | | |
| | Selden & Griswold Manufacturing Company. (*See* Rhodes, Ezra, assignor.) | | | | | |
| 212, 326 | Selden, Nels P., Belle Plaine, Iowa. Scroll-sawing machine | Feb. 18, 1879 | 586 | 163, 164 | 15 | 207 |
| | Seldon, Robert. (*See* Nevinger & Seldon.) | | | | | |
| 213, 532 | Selleck, Allen C., Chicago Ill. Broiler | Mar. 25, 1879 | 872 | 248 | 15 | 434 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 211,478 | Selleck, Robert M., Newark, N. J. Harness-pad | Jan. 21, 1879 | 471 | 133 | 15 | 63 |
| 217,025 | Selleg, David N., Newburg, N. Y. Folding chair | July 1, 1879 | 108 | 31 | 16 | 16 |
| 214,010 | Seller, Simon, Cortland Village, N. Y. Toy | Apr. 8, 1879 | 318 | 91 | 15 | 522 |
| | Sellers, George H. (*See* Sellers, William and G. H.) | | | | | |
| | Sellers, John, jr., *et al.* (*See* Morgan, Joseph, jr., assignor.) | | | | | |
| | Sellers, John, jr. (*See* Sellers, William and G. H., assignors.) | | | | | |
| | Sellers, William. (*See* Buckman, George R., assignor.) | | | | | |
| | Sellers, William, *et al.* (*See* Morgan, Joseph, jr., assignor.) | | | | | |
| 212,518 | Sellers, William, Haverhill, Mass. Salt-cellar | Feb. 18, 1879 | 826 | 229 | 15 | 239 |
| 222,314 | Sellers, William, Philadelphia, Pa., and G. H. Sellers, Wilmington, Del.; said G. H. Sellers assignor to J. Sellers, jr., Philadelphia, Pa. Cooling circulation about rotating puddling-vessels | Dec. 2, 1879 | 218 | 58 | 16 | 1039 |
| 221,619 | Selvage, Howard, Brooklyn, assignor to R. Waterhouse, New York, N. Y. Scarf | Nov. 11, 1879 | 554 | 153 | 16 | 898 |
| | Semones, William A. (*See* Martin, James O., assignor.) | | | | | |
| 215,299 | Sencenbaugh, S. Samuel, assignor to self and D. F. Van Liew, Aurora, Ill. Car-axle-box lid | May 13, 1879 | 394 | 117 | 15 | 755 |
| 218,834 | Sencenbaugh, S. Samuel, Aurora, Ill. Car-axle box | Aug. 26, 1879 | 870 | 244 | 16 | 367 |
| 221,943 | Sergeant, Henry C., and H. Porter, New York, N. Y. Ticket-box | Nov. 25, 1879 | 958 | 268 | 16 | 970 |
| 211,936 | Serighelli, Silvestro, San Francisco, Cal. Winding attachment for clocks | Feb. 4, 1879 | 128 | 37, 38 | 15 | 142 |
| 211,937 | Same Expansion-pulley | Feb. 4, 1879 | 131 | 38 | 15 | 143 |
| 211,112 | Severance, George W., assignor to self, D. B. Kingsbury, S. F. Butts, and J. Quayle, Ravenna, Ohio. Oatmeal-machine | Jan. 7, 1879 | 39 | 13 | 15 | 5 |
| 215,403 | Severn, Henry A., Earl's Court Square, Middlesex County, England. Mariner's compass | May 13, 1879 | 490 | 145 | 15 | 768 |
| 221,705 | Seward, John M., Albany, N. Y. Dredging-machine bucket | Nov. 18, 1879 | 658 | 184 | 16 | 920 |
| | Sexton, Lewis R. (*See* Gundlach, Ernst, assignor.) | | | | | |
| 215,023 | Sexton, Samuel B., Baltimore, Md. Violin | May 6, 1879 | 44 | 13 | 15 | 708 |
| 221,706 | Seybel, Daniel E., New York, N. Y. Carboy | Nov. 18, 1879 | 659 | 185 | 16 | 921 |
| 211,797 | Seyferth, Augustus H., Brunswick, Prussia. Process and apparatus for refining and molding sugar | Jan. 28, 1879 | 856 | 239 | 15 | 117 |
| 217,822 | Seyferth, Augustus H., Brunswick, Germany. Pyrometer | July 22, 1879 | 1018 | 292 | 16 | 164 |
| 218,324 | Seyler, Adolph, Brooklyn, N. Y. Manufacture of paper-pulp and paper from grasses | Aug. 5, 1879 | 240 | ..... | 16 | 253 |
| | Seymour, Alfred B., administrator. (*See* Shipman, William J.) | | | | | |
| 215,170 | Seymour, Charles, and H. Chamberlain, Seneca Falls, N. Y. Double-acting pump | May 6, 1879 | 216 | 63 | 15 | 729 |
| 216,228 | Seymour, Charles, assignor to Defiance Machine Works, Defiance, Ohio. Device for balancing cylinders, cutter-heads, &c. | June 3, 1879 | 227 | 67 | 15 | 913 |
| 218,069 | Seymour, Frank C., Saint Louis, Mich. Car-coupling | July 29, 1879 | 1300 | 372 | 16 | 208 |
| | Seymour, Frederick J. (*See* Brown & Seymour.) | | | | | |
| 222,743 | Seymour, Frederick J., Wolcottville, assignor of one-half interest to W. H. Brown, Waterbury, Conn. Milk-can | Dec. 16, 1879 | 731 | 210 | 16 | 1130 |
| 220,499 | Seymour, Frederick W., and E. Thomas, Newark, Ohio. Carboy | Oct. 14, 1879 | 331 | 88 | 16 | 688 |
| 213,697 | Seymour, James M., Newark, N. J. Railway-bed | Mar. 25, 1879 | 1054 | 300 | 15 | 458 |
| | Seyms, George H. (*See* Terry, E. Clinton, assignor.) | | | | | |
| | Shacklett, H. R. (*See* Collins, George, assignor.) | | | | | |
| 213,946 | Shafer, Garrett F., and A. C. Ewart, Canaseraga, N. Y. Car-coupling | Apr. 1, 1879 | 225 | 66 | 15 | 502 |
| | Shaffer, Henry E. (*See* Barnard & Hanna, assignors.) | | | | | |
| | Same (*See* Spencer, Charles F., assignor.) | | | | | |
| 216,296 | Shaffner, Abraham, Manheim, Pa. Brush-head | June 10, 1879 | 328 | 96 | 15 | 933 |
| 215,838 | Shahan, Thomas H., Boston, Mass. Cork-fastener for bottles | Mar. 27, 1879 | 1001 | 291 | 15 | 853 |
| 216,765 | Shailer, Julius S., Boston, Mass., and M. R. Ethridge, Woodstock, Me., assignors to Copeland Lasting Machine Company. Lasting-machine | June 24, 1879 | 875 | 248 | 15 | 1024 |
| 217,906 | Shaler, Justin B., Brooklyn, N. Y. Filter | July 29, 1879 | 1125 | 322 | 16 | 185 |
| | Shanahan, Edward L. (*See* Shanahan, Henry C. and E. L.) | | | | | |
| 215,171 | Shanahan, Henry C. and E. L., South Bend, Ind. Combined step-ladder and ironing-table | May 6, 1879 | 216 | 63 | 15 | 729 |
| 212,628 | Shanks, Thomas, Baltimore, Md. Sewing-machine | Feb. 25, 1879 | 962 | 266 | 15 | 265 |
| 216,901 | Same Hand-lever for operating sewing-machines | June 24, 1879 | 1025 | 291 | 15 | 1043 |
| 212,273 | Shannon, James, Baltimore, Md. Coffin | Feb. 11, 1879 | 516 | 144 | 15 | 194 |
| | Shannon, James S. (*See* Smith & Shannon.) | | | | | |
| 217,907 | Shannon, James S., Chicago, Ill. Temporary binder | July 29, 1879 | 1126 | 323 | 16 | 185 |
| 218,325 | Shannon, James W., Philadelphia, Pa. Gas-regulator | Aug. 5, 1879 | 242 | 65 | 16 | 253 |
| 220,437 | Shannon, John D., Piqua, Ohio. Tool for setting hinges | Oct. 7, 1879 | 250 | 67 | 16 | 669 |
| 222,956 | Same Gate | Dec. 23, 1879 | 983 | 282 | 16 | 1176 |
| 219,368 | Sharer, Michael W., Milton Grove Post-Office, assignor of one-half interest to S. L. Brandt, Marietta, Pa. Implement for handling leaf-tobacco | Sept. 9, 1879 | 369 | 104 | 16 | 467 |
| | Sharp, Charles M. (*See* Sharp, Dennis P., assignor.) | | | | | |
| 8,668 | Sharp, Dennis P., Ithaca, N. Y. Horse hay-rake (Reissue) | Apr. 8, 1879 | 592 | 168 | 15 | 556 |
| 216,110 | Sharp, Dennis P., assignor to C. M. Sharp, Ithaca, N. Y. Horse hay-rake | June 3, 1879 | 106 | 31 | 15 | 898 |
| 223,012 | Same Horse-rake | Dec. 30, 1879 | 1053 | 302 | 16 | 1196 |
| 223,067 | Sharp, George W., Rockville, Ind. Bee-hive | Dec. 30, 1879 | 1115 | 316, 317 | 16 | 1204 |
| 217,823 | Sharp, James B., New York, N. Y. Binding for suspender-ends | July 22, 1879 | 1020 | 292 | 16 | 164 |
| | Sharp, John C. (*See* Hovey, Luce & Sharp.) | | | | | |
| 214,460 | Sharp, John M., Atlantic, Iowa. Combined hame strap and pad | Apr. 15, 1879 | 863 | 243 | 15 | 600 |
| 219,531 | Sharp, Joseph, Cincinnati, Ohio. Machine-bolting | Sept. 9, 1879 | 540 | 151 | 16 | 489 |
| 220,994 | Sharp, Julius, and J. S. Brandt, Cridersville, Ohio. Washing-machine | Oct. 28, 1879 | 931 | 248 | 16 | 784 |
| 219,773 | Sharp, Philip H., Wilkesbarre, Pa. Coal-breaker | Sept. 16, 1879 | 815 | 225 | 16 | 534 |
| 215,484 | Sharp, William C., Boston, Mass. Curtain-fixture | May 20, 1879 | 601 | 176 | 15 | 792 |
| 214,959 | Sharp, William J., Baton Rouge, La. Evaporator | Apr. 29, 1879 | 1444 | 402 | 15 | 689 |
| 222,744 | Sharpe, Lucian, assignor to Darling, Brown & Sharpe, Providence, R. I. Measuring scale or rule | Dec. 16, 1879 | 732 | 210 | 16 | 1130 |
| 216,978 | Sharts, Theodore, New York, N. Y. Self-acting switch for street-railways | July 1, 1879 | 57 | 18 | 16 | 10 |
| | Shattuck, Abner L., *et al.* (*See* Walker, Russel B., assignor.) | | | | | |
| 8,593 | Shaver, George F., Erie, Pa. Sled-propeller (Reissue) | Feb. 18, 1879 | 853 | 236 | 15 | 242 |
| 214,717 | Shaver, Silas S., Menasha, Wis. Middlings-separator | Apr. 22, 1879 | 1167 | 328 | 15 | 646 |
| 211,673 | Shaw, Ai B., Medford, Mass. Curtain roller and bracket | Jan. 28, 1879 | 714 | 199 | 15 | 98 |
| 8,622 | Shaw, Ai B., Medford, Mass., assignor to M. W. Carr and H. W. Brooks. Fastening device or clasp for supporting stockings (Reissue) | Mar. 11, 1879 | 600 | 168 | 15 | 382 |
| 222,204 | Shaw, Ai B., Medford, Mass. Curtain-fixture | Dec. 2, 1879 | 99 | 25 | 16 | 1022 |
| 216,534 | Shaw, Benjamin C., Indianapolis, Ind. Running-gear for wagons | June 17, 1879 | 605 | 171 | 15 | 978 |
| 218,458 | Shaw, Benjamin F., Cambridge, assignor, by mesne assignments, to Shaw Stocking Company, Lowell, Mass. Knitting-machine | Aug. 12, 1879 | 403 | 111, 112, 113 | 16 | 285 |
| 218,459 | Shaw, Benjamin F., Cambridge, assignor to Shaw Stocking Company, Lowell, Mass. Transferring mechanism for knitted work | Aug. 12, 1879 | 410 | 113 | 16 | 284 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 218,460 | Shaw, Benjamin F., Cambridge, assignor to Shaw Stocking Company, Lowell, Mass. Web-holding mechanism for knitting-machines | Aug. 12, 1879 | 412 | 113 | 16 | 284 |
| 219,599 | Shaw, Benjamin W., Minneapolis, Minn. Wheat-heater | Sept. 16, 1879 | 619 | 173 | 16 | 508 |
| | Shaw, Charles A. (*See* Burt & Dunn, assignors) (Reissue.) | | | | | |
| 218,783 | Shaw, Cyrus B., Brooklyn, N. Y. Refrigerator | Aug. 19, 1879 | 782 | 222 | 16 | 346 |
| 8,865 | Shaw, Elijah, assignor of one-half interest to C. T. Bradley and W. H. Metcalf, Milwaukee, Wis. Sewing-machine (Reissue) | Aug. 19, 1879 | 829 | 233, 234 | 16 | 353 |
| 220,874 | Shaw, Frank, assignor to Law Telegraph Company, New York, N. Y. Telephone exchange system and device | Oct. 21, 1879 | 771 | 205 | 16 | 753 |
| | Shaw, George, F. (*See* Shaw, Henry F. and G. F.) | | | | | |
| 215,982 | Shaw, George W., assignor of one-half interest to F. Owens, Baltimore, Md. Combined measure and funnel | May 27, 1879 | 1150 | 334 | 15 | 872 |
| 217,750 | Saw, George W., West Brookfield, Mass. Sash-supporter | July 22, 1879 | 941 | 270 | 16 | 154 |
| 220,037 | Shaw, Henry F., assignor to T. B. Everett, Boston, Mass. Harvesting-machine | Sept. 30, 1879 | 1133 | 313 | 16 | 595 |
| 220,255 | Shaw, Henry F., Boston, and G. F. Shaw, Dedham, Mass. Wheel-barrow | Oct. 7, 1879 | 50 | 13 | 16 | 641 |
| 221,426 | Shaw, Henry F., Boston, Mass. Locomotive-engine | Nov. 11, 1879 | 335 | 93 | 16 | 868 |
| 214,590 | Shaw, Nathan Y., Freehold, N. Y. Gate | Apr. 22, 1879 | 1034 | 291 | 15 | 628 |
| 216,061 | Shaw, Stephen W., San Francisco, Cal. Dredging-scoop nozzle for mining purposes | June 3, 1879 | 59 | 16 | 15 | 892 |
| 220,180 | Same.....Dredging-machine | Sept. 30, 1879 | 1302 | 359, 360 | 16 | 618 |
| | Shaw Stocking Company. (*See* Shaw, Benjamin F., assignor.) | | | | | |
| 222,084 | Shaw, Sumner, Boston, Mass. Time-lock | Nov. 25, 1879 | 1108 | 312 | 16 | 991 |
| 212,157 | Shaw, Thomas, Philadelphia, Pa. Steam-trumpet | Feb. 11, 1879 | 388 | 106 | 15 | 178 |
| 213,302 | Same.....Noise-quieting nozzle | Mar. 18, 1879 | 636 | 179 | 15 | 395 |
| 8,643 | Same.....Noise-quieting steam-nozzle (Reissue) | Apr. 1, 1879 | 248 | 72 | 15 | 504 |
| 214,716 | Same.....Hydraulic-pressure accumulator | Apr. 29, 1879 | 1166 | 328 | 15 | 645 |
| 215,777 | Same.....Time-lock | May 27, 1879 | 926 | 272 | 15 | 844 |
| 8,772 | Same.....Steam-gage cock (Reissue) | June 24, 1879 | 1068 | 302 | 15 | 1049 |
| 8,773 | Same.....same (Reissue) | June 24, 1879 | 1069 | 303 | 15 | 1049 |
| 223,068 | Same.....Electrical pressure-indicator | Dec. 30, 1879 | 1118 | 317 | 16 | 1204 |
| 215,485 | Shaw, Thomas, Orange, N. J. Die for the manufacture of spoons | May 20, 1879 | 602 | 176, 177 | 15 | 792 |
| 213,253 | Shaw, Thomas B., Thompson, Pa. Straw-cutter | Mar. 11, 1879 | 567 | 158 | 15 | 378 |
| 211,798 | Shaw, William, Kingman, Me. Bark-reducing machine | Jan. 28, 1879 | 859 | 240 | 15 | 117 |
| 221,870 | Same.....same | Nov. 18, 1879 | 853 | 238 | 16 | 947 |
| 220,179 | Shaw, William, Millbridge, Me. Stove-pipe receiver | Sept. 30, 1879 | 1301 | 359 | 16 | 618 |
| 216,579 | Shaw, William, Edinburg, and D. Williamson, Wishaw, North Britain. Machine for distributing manures | June 17, 1879 | 654 | 185, 186 | 15 | 985 |
| | Shaw, William A. (*See* Rogers & Shaw.) | | | | | |
| 211,938 | Shaw, William A., Newport, R. I., assignor of one-half interest to L. H. Rogers, New York, N. Y. Hardening, tempering, annealing, and straightening wire | Feb. 4, 1879 | 132 | 38 | 15 | 143 |
| 219,880 | Shearman, Addison P., Jamestown, N. Y. Torpedo for oil-wells | Sept. 23, 1879 | 946 | 262 | 16 | 561 |
| | Sheckler, D. J., *et al.* (*See* Ormann, Philipp, assignor.) | | | | | |
| 211,269 | Shedd, Frank, Shedd Station, Oreg. Hay rake and loader | Jan. 7, 1879 | 208 | 60 | 15 | 27 |
| | Shedd, Joel H. (*See* Carson, Howard A., assignor.) | | | | | |
| 220,995 | Shedlock, Alfred, assignor to C. G. Singer, New York, and J. H. Macy, Harrison, N. Y. Barrel-holding clamp | Oct. 28, 1879 | 933 | 249 | 16 | 784 |
| 213,073 | Sheed, George, assignor to D. Moore and W. A. Robinson, Hamilton, Ontario, Canada. Molder's tool | Mar. 11, 1879 | 364 | 102 | 15 | 352 |
| 220,876 | Sheehan, Owen, New Bedford, Mass. Machine for spinning rope-yarn, &c. | Oct. 21, 1879 | 774 | 206 | 16 | 754 |
| | Sheets, Henry W. (*See* Derry, Lewis C., assignor.) | | | | | |
| 217,824 | Sheets, William P., assignor of one-half interest to S. D. Arnold, Princeton, Mo. Grain-tally | July 22, 1879 | 1020 | 293 | 16 | 164 |
| 222,315 | Sheffield, Dan S. and F. B., and W. H. Marcellus, Rockford, Ill. Harness | Dec. 2, 1879 | 220 | 58 | 16 | 1039 |
| | Sheffield, Frank B. (*See* Sheffield & Marcellus.) | | | | | |
| 213,254 | Sheffield, George S., Three Rivers, Mich. Railway hand-car | Mar. 11, 1879 | 568 | 158 | 15 | 378 |
| 214,057 | Sheffield, George V., assignor to J. F. Meyer, New York, N. Y. Screw-wrench | Apr. 8, 1879 | 380 | 107 | 15 | 529 |
| 214,718 | Sheffield, George V., assignor to self and C. Wuterich, New York, N. Y. Manufacture of articles of leather | Apr. 22, 1879 | 1168 | 329 | 15 | 646 |
| 211,479 | Shelby, Christopher C., New York, N. Y., assignor to self and G. Frost & Co., Boston, Mass. Stocking-supporter | Jan. 21, 1879 | 473 | 133 | 15 | 63 |
| 214,847 | Sheldon, James T., Springfield, Mass. Feather-renovator | Apr. 29, 1879 | 1334 | 371 | 15 | 675 |
| 8,938 | Sheldon, Richard B., Shortsville, N. Y., assignor to P. P. Mast & Co. Seed-drill. (Reissue) | Oct. 21, 1879 | 807 | 216 | 16 | 759 |
| 223,069 | Shellabarger, Flavius W., Miami County, Ohio. Corn-planter | Dec. 30, 1879 | 1119 | 317, 318 | 16 | 1204 |
| 221,110 | Shellenback, Peter, and W. E. Drayer, Hamilton, Ohio. Door-bell | Oct. 28, 1879 | 1060 | 281 | 16 | 800 |
| 218,143 | Shellenberger, John, North Indianapolis, Ind. Apparatus for inserting wire staples | Aug. 5, 1879 | 43 | 12 | 16 | 226 |
| 221,979 | Same.....Apparatus for inserting, bending, and clinching metallic staples | Nov. 25, 1879 | 997 | 279 | 16 | 975 |
| 222,205 | Same.....Machine for making staples | Dec. 2, 1879 | 101 | 25 | 16 | 1022 |
| 211,430 | Shellenberger, Samuel L., Denison, Tex. Wood pavement | Jan. 14, 1879 | 419 | 119 | 15 | 54 |
| 217,492 | Shelley, Benjamin N., Anderson, Ind. Carriage-axle and axle-box | July 15, 1879 | 641 | 183 | 16 | 105 |
| 219,313 | Same.....Combination-tool | Sept. 2, 1879 | 294 | 83 | 16 | 449 |
| 211,528 | Shelton, George G., Birmingham, Conn. Toy building-block | Jan. 21, 1879 | 529 | 149 | 15 | 70 |
| 221,474 | Shenfield, Abraham, New York, N. Y. Suspender-end | Nov. 11, 1879 | 393 | 108 | 16 | 875 |
| 8,866 | Shepard, Amos, Plantsville, assignor to Peck, Stow & Wilcox Company, Southington, Conn. Coffee and spice mill (Reissue) | Aug. 19, 1879 | 830 | 234 | 16 | 353 |
| 213,592 | Shepard, Charles H., New York, N. Y. Hoof-expander | Mar. 25, 1879 | 942 | 268 | 15 | 443 |
| 218,784 | Shepard, Charles W., Newton, Mass. Bale-tie | Aug. 19, 1879 | 783 | 223 | 16 | 346 |
| 211,866 | Shepard, Morrill A., Lebanon, Ill. Vehicle-spring | Feb. 4, 1879 | 51 | 16 | 15 | 132 |
| 213,138 | Same.....Producing heat and ventilation | Mar. 11, 1879 | 446 | 124 | 15 | 362 |
| | Shepardson, Isaac E. (*See* Blood & Shepardson.) | | | | | |
| 222,316 | Shephard, Joseph A., assignor to Hocking Valley Manufacturing Company, Lancaster, Ohio. Grain-drill | Dec. 2, 1879 | 221 | 59 | 16 | 1039 |
| 222,424 | Shepherd, Charles, Alexandra Road, St. John's Wood, Middlesex County, England. Electro-magnetic clock | Dec. 9, 1879 | 347 | 97, 98, 99 | 16 | 1066 |
| 8,699 | Shepherd, Charles C., Passaic, N. J. Slate (Reissue) | May 6, 1879 | 258 | 75 | 15 | 735 |
| 212,629 | Same.....Sketching-rack | Feb. 25, 1879 | 963 | 266 | 15 | 265 |
| 212,630 | Same.....Toy railway | Feb. 25, 1879 | 964 | 267 | 15 | 265 |
| 216,809 | Same.....Toy locomotive | June 24, 1879 | 925 | 264 | 15 | 1030 |
| 216,810 | Same.....Portable writing-desk | June 24, 1879 | 926 | 264 | 15 | 1030 |
| 220,311 | Same.....Writing and drawing slate | Oct. 7, 1879 | 116 | 31 | 16 | 050 |
| 211,113 | Shepherd, Francis H., assignor to Shepherd Vapor Gas Company, Davenport, Iowa. Vapor-generating burner | Jan. 7, 1879 | 39 | 13 | 15 | 5 |
| | Shepherd, John W. (*See* Russell, Henry, assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. D'rg. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 212, 274 | Shepherd, Samuel, and E. D. Whitcomb, Nashua, N. H., assignors to selves, T. A. Coolidge, Marlborough, and H. Rogers, Allston, Mass. Machine for driving nails in boots and shoes | Feb. 11, 1879 | 517 | 144 | 15 | 195 |
| | Shepherd, Sarah A. (*See* Von Cort & Shepherd.) | | | | | |
| | Shepherd Vapor Gas Company. (*See* Shepherd, Francis H., assignor.) | | | | | |
| 222, 799 | Shepler, John B., and F. H. Hosmer, Toledo, Ohio. Frame for traveling-bags, &c | Dec. 23, 1879 | 803 | 231 | 16 | 1150 |
| 217, 554 | Sheppard, Charles F., Wilmington, Del. Washing-machine | July 15, 1879 | 709 | 202 | 16 | 115 |
| 8, 679 | Sheppard, John L., Charleston, S. C. Bale-tie (Reissue) | Apr. 15, 1879 | 899 | 252, 253 | 15 | 604 |
| 218, 144 | Same same | Aug. 5, 1879 | 44 | 12 | 16 | 226 |
| 221, 944 | Same Upset or turn-over buckle for bale-ties | Nov. 25, 1879 | 959 | 268 | 16 | 970 |
| 220, 875 | Shepperd, John T., Brooklyn, N. Y. Gilder's press | Oct. 21, 1879 | 773 | 206 | 16 | 754 |
| 219, 532 | Sherar, Robert H., Stanton, Kans. Dumping-wagon | Sept. 9, 1879 | 541 | 151 | 16 | 490 |
| 222, 160 | Same same | Dec. 2, 1879 | 48 | 12 | 16 | 1016 |
| | Sherborne, J. C., *et al.* (*See* Powell, John B., assignor.) | | | | | |
| | Sherborne, John C. (*See* Powell, John B., assignor.) | | | | | |
| | Sherborne, John C., *et al.* (*See* Shive, David, assignor) (Reissue.) | | | | | |
| 214, 719 | Sherboudy, Derane F., Cleveland, Ohio. Relief-valve | Apr. 22, 1879 | 1169 | 329 | 15 | 646 |
| 219, 414 | Sherck, Isaac, and J. Batig, jr., assignors of one-half interest to G. W. Heberling, Fremont, Ohio. Locking device for railway fish-plates | Sept. 9, 1879 | 422 | 117 | 16 | 473 |
| 218, 070 | Sherer, John, Montrose, Pa. Pole for wagons and sleighs | July 29, 1879 | 1301 | 372 | 16 | 208 |
| 217, 646 | Sherer, Samuel B., Chicago, Ill. Wardrobe | July 15, 1879 | 809 | 231 | 16 | 127 |
| | Sheridan, James C. (*See* Sprague, Henry D., assignor.) | | | | | |
| 217, 710 | Sherlock, Robert E., and J. E. Booth, Rochester, N. Y. Circulating-tube for steam-boilers | July 22, 1879 | 903 | 258 | 16 | 149 |
| 221, 427 | Sherman, Charles A., Boonesborough, Iowa. Barb-fence link | Nov. 11, 1879 | 336 | 93 | 16 | 868 |
| 212, 751 | Sherman, George H., New York, N. Y. Cooking stove and range | Feb. 25, 1879 | 1083 | 301 | 15 | 281 |
| 213, 947 | Sherman, Ira L., Cattaraugus, N. Y. Iron fence | Apr. 1, 1879 | 226 | 66 | 15 | 502 |
| 217, 555 | Sherman, Jacob A., Freehold, N. J. Upper-jaw check for horses | July 15, 1879 | 710 | 202 | 16 | 115 |
| 220, 877 | Sherman, Samuel, Unionville, near Mount Holly, N. J. Corn-stub cutter and splitter | Oct. 21, 1879 | 775 | 206 | 16 | 754 |
| 215, 300 | Sherman, Wardell B., assignor of one-half interest to J. W. Pride, Utica, N. Y. Liquid-measuring device | May 13, 1879 | 395 | 117 | 15 | 755 |
| | Sherratt, Andrew H. (*See* Bradley & Sherratt.) | | | | | |
| | Sherratt, John H. (*See* Bradley & Sherratt, assignors.) | | | | | |
| | Sherriff, James A. (*See* Thomson, John, assignor.) | | | | | |
| | Sherriff, James A., *et al.* (*See* Van Osdel, Oliver W., assignor.) | | | | | |
| 216, 229 | Sherriff, John, Dedham, Mass. Mail-box | June 3, 1879 | 228 | 68 | 15 | 914 |
| 212, 275 | Sherrill, Henry W., Jersey City, N. J. Combined elevator and operating-engine | Feb. 11, 1879 | 519 | 144 | 15 | 195 |
| 213, 783 | Sherrill, Henry W., Jersey City, N. J., assignor to Sherrill Roper Air Engine Company, New York, N. Y. Hot-air engine | Apr. 1, 1879 | 56 | 18 | 15 | 480 |
| 218, 071 | Sherrill, James, Harrisburg, Oreg. Weed-turner | July 29, 1879 | 1301 | 373 | 16 | 208 |
| | Sherrill, John H., *et al.* (*See* Snapp, James W., assignor.) | | | | | |
| | Sherrill Roper Air Engine Company. (*See* Sherrill, Henry W., assignor.) | | | | | |
| | Sherrill, Uriah, *et al.* (*See* Snapp, James W., assignor.) | | | | | |
| | Sherwin, Williams & Co. (*See* Hull, Hubert H., assignor.) | | | | | |
| 214, 591 | Sherwood, Andrew T., San Francisco, Cal., assignor to J. Herzog & Co. Machine for twisting and untwisting fiber | Apr. 22, 1879 | 1035 | 291 | 15 | 628 |
| 213, 698 | Sherwood, Daniel, and G. D. Dudley, assignors to Woods, Sherwood & Co., Lowell, Mass. Fruit-jar wrench | Mar. 25, 1879 | 1055 | 300 | 15 | 458 |
| 213, 699 | Sherwood, Daniel, assignor to Woods, Sherwood & Co., Lowell, Mass. Attaching rims to wire articles | Mar. 25, 1879 | 1056 | 300 | 15 | 458 |
| 218, 835 | Sherwood, Daniel, and G. D. Dudley, assignors to Woods, Sherwood & Co., Lowell, Mass. Fruit-jar lifter | Aug. 26, 1879 | 871 | 245 | 16 | 367 |
| 213, 593 | Sherwood, John B., Chicago, Ill. School-desk | Mar. 25, 1879 | 943 | 268 | 15 | 443 |
| | Shettel, Jacob E., *et al.* (*See* Drawbaugh, Daniel, assignor.) | | | | | |
| 212, 327 | Shevill, James B. O., New York, N. Y. Washing and bath tub | Feb. 18, 1879 | 588 | 164 | 15 | 207 |
| | Shibe, Benjamin F. (*See* Brown, Samuel, assignor.) | | | | | |
| 8, 562 | Shickle, Frederick, assignor to self, T. Howard, and J. W. Harrison, Saint Louis, Mo. Molding pipes (Reissue) | Jan. 28, 1879 | 908 | 255 | 15 | 124 |
| 216, 354 | Shickle, Frederick, assignor of two-thirds interest to J. W. Harrison and T. Howard, Saint Louis, Mo. Ladle for pouring metals | June 10, 1879 | 399 | 114 | 15 | 942 |
| 211, 598 | Shidell, Andrew, Scrubgrass, Pa. Washing-machine | Jan. 21, 1879 | 612 | 173 | 15 | 81 |
| | Shield, Henry, *et al.* (*See* Watson, James, assignor.) | | | | | |
| | Shields, David. (*See* Fellows, Warren, assignor.) | | | | | |
| | Shields, George H. (*See* Crecelius, Louis J., assignor.) | | | | | |
| 216, 230 | Shields, Maxwell P., Fairfield, Pa. Safety-bit for bridles | June 3, 1879 | 229 | 68 | 15 | 914 |
| 220, 878 | Shiflett, Samuel, North River, Va. Pitman-connection | Oct. 21, 1879 | 776 | 207 | 16 | 754 |
| 214, 528 | Shigley, William L., Jamestown, Ohio. Belt-fastener | Apr. 22, 1879 | 969 | 272 | 15 | 620 |
| 212, 114 | Shiland, Alexander, West Troy, N. Y. Magnetic dental plugger | Feb. 11, 1879 | 341 | 93 | 15 | 171 |
| 217, 711 | Same Catheter | July 22, 1879 | 904 | 258 | 16 | 149 |
| 218, 072 | Shilling, Townsend, Columbus, Ohio. Axle-skein | July 29, 1879 | 1302 | 373 | 16 | 208 |
| | Shillito, John, jr. (*See* Phelps, Ira M., assignor.) | | | | | |
| | Shimer, George J. (*See* Shimer, George J. and S. J.) | | | | | |
| | Shimer, George J. (*See* Shimer, Samuel J. and G. J.) | | | | | |
| 212, 631 | Shimer, George J. and S. J., Milton, Pa. Car-axle box | Feb. 25, 1879 | 965 | 267 | 15 | 265 |
| 211, 480 | Shimer, Samuel J. and G. J., Milton, Pa. Reversible cutter-head | Jan. 21, 1879 | 474 | 134 | 15 | 64 |
| 214, 592 | Same Car-axle lubricator | Apr. 22, 1879 | 1037 | 291 | 15 | 629 |
| 217, 298 | Shimoneck, William C., Washington, D. C. Combined cigar-cutter and match-safe | July 8, 1879 | 418 | 123 | 16 | 65 |
| 218, 404 | Same Gymnastic apparatus | Aug. 12, 1879 | 339 | 93 | 16 | 277 |
| | Shimp, Hervey, *et al.* (*See* Kurtz, Luther S., assignor.) | | | | | |
| 217, 415 | Shinn, John K., New Castle, Pa. Manufacture of lime and cement | July 8, 1879 | 540 | 155 | 16 | 80 |
| 215, 248 | Shipman, Lizzie R., New York, N. Y. Bill-file | May 13, 1879 | 319 | 94 | 15 | 746 |
| 219, 180 | Shipman, William J., deceased, Portsmouth, Ohio, A. B. Seymour, administrator. Toy pistol | Sept. 2, 1879 | 134 | 41 | 16 | 430 |
| 213, 533 | Shipman, William W., assignor of two-thirds interest to C. H. Henderson and L. Gerkin, Pittsburg, Pa. Boot-blacking stool | Mar. 25, 1879 | 873 | 248 | 15 | 434 |
| 222, 957 | Shippen, Evans W., Meadville, Pa. Broom-head | Dec. 23, 1879 | 984 | 283 | 16 | 1176 |
| 216, 231 | Shire, John, Detroit, Mich. Velocipede | June 3, 1879 | 230 | 68 | 15 | 914 |
| 215, 249 | Shirley, Edward M., Washington, D. C. Horse-detacher | May 13, 1879 | 321 | 94 | 15 | 746 |
| | Shirley, Frederick S. (*See* Rhind & Shirley.) | | | | | |
| 212, 158 | Shirley, Frederick S., New Bedford, Mass. Glassware | Feb. 11, 1879 | 389 | 106 | 15 | 178 |
| 220, 038 | Same Ornamentation of glassware | Sept. 30, 1879 | 1135 | 313 | 16 | 595 |
| 223, 013 | Shirley, Frederick S., New Bedford, Mass., and F. Rhind, Brooklyn, N. Y. Jar and can | Dec. 30, 1879 | 1054 | 302 | 16 | 1196 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Drg. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 8,872 | Shive, David, Quakertown, Pa., assignor, by mesne assignments, to J. B. Powell and J. C. Sherborne, Philadelphia, Pa. Spring-motor (Reissue) | Aug. 26, 1879 | 1120 | 313 | 16 | 401 |
| | Shively, Christian. (*See* Schifferly, Conrad, assignor.) | | | | | |
| 219,533 | Shoemaker, Charles T., assignor to H. A. H. and H. C. Disston, Philadelphia, Pa. Saw-handle | Sept. 9, 1879 | 542 | 152 | 16 | 490 |
| 220,256 | Shoemaker, Frederick, Kinderhook, N. Y. Cutting apparatus | Oct. 7, 1879 | 52 | 14 | 16 | 641 |
| | Shoenberger & Co. (*See* Young, William D., assignor.) | | | | | |
| | Shoeninger, Adolph. (*See* Eckart, Emil, assignor.) | | | | | |
| | Same (*See* Unzicker, Otto, assignor.) | | | | | |
| 218,785 | Shoesmith, Alfred, assignor of one-half interest to W. R. Nixon, Dayton, Ohio. Evaporating-furnace | Aug. 19, 1879 | 784 | 223 | 16 | 346 |
| 216,232 | Sholes, Frederick, and W. F. Miller, New York, N. Y. Type-writing machine | June 3, 1879 | 230 | 68, 69 | 15 | 914 |
| 220,672 | Shoots, James D., Horseheads, N. Y. Fish-plate and railway-chair | Oct. 14, 1879 | 531 | 141 | 16 | 714 |
| 214,848 | Shore, Mark, Allegheny, Pa. Mold for plowshares | Apr. 29, 1879 | 1335 | 371 | 15 | 675 |
| 9,006 | Shorey, John, Lowell, Mass., assignor of one-half interest to O. C. Shorey. Window-shade roller (Reissue) | Dec. 30, 1879 | 1277 | 361 | 16 | 1226 |
| | Shorey, Oliver C. (*See* Shorey, John, assignor) (Reissue.) | | | | | |
| 216,811 | Shorey, Samuel W., Boston, Mass. Button | June 24, 1879 | 927 | 264 | 15 | 1030 |
| | Short, Nerney & Co. (*See* Alden, William W., assignor.) | | | | | |
| | Same (*See* Horton, James J., assignor.) | | | | | |
| 218,582 | Short, Sidney H., Columbus, Ohio. Electric telephone | Aug. 12, 1879 | 547 | 154 | 16 | 305 |
| 212,990 | Shotwell, Melancthon S., Harrisburg, Pa. Car-replacer | Mar. 4, 1879 | 257 | 71 | 15 | 330 |
| 211,939 | Shotwell, Walter S., San Francisco, Cal. Amalgamator and settler | Feb. 4, 1879 | 133 | 38, 39 | 15 | 143 |
| 217,416 | Showalter, Jacob, Rushville, Ohio. Drag-saw | July 8, 1879 | 542 | 155 | 16 | 80 |
| 214,461 | Shriver, Walter, New York, N. Y. Water-engine | Apr. 15, 1879 | 864 | 243 | 15 | 600 |
| | Shubert, Francis. (*See* Cottingham, John C., assignor.) | | | | | |
| 222,206 | Shull, John A., Duncannon, Pa. Combined hay loader and press | Dec. 2, 1879 | 102 | 25 | 16 | 1022 |
| 212,752 | Shultz, David R., Reading, Pa. Hat-ventilator | Feb. 25, 1879 | 1084 | 301 | 15 | 282 |
| 215,172 | Shumaker, Peter F., Vermillionville, La. Horse-muzzle | May 6, 1879 | 217 | 63 | 15 | 729 |
| | Shuman, John A. (*See* Stroud & Shuman.) | | | | | |
| 211,349 | Shuman, Thomas, assignor of one-half interest to G. A. Morse, Corning, Iowa. Barbed fence | Jan. 14, 1879 | 327 | 96 | 15 | 43 |
| 215,404 | Same Barb-wire fence | May 13, 1879 | 492 | 146 | 15 | 769 |
| 214,720 | Shur, Milton M., Denver, Colo. Chamber-drill for drilling rock for blasting purposes | Apr. 22, 1879 | 1170 | 329 | 15 | 646 |
| 8,996 | Shurtleff, William H., Providence, R. I., assignor, by mesne assignments, to American Hook and Button Company. Combined hook and button (Reissue) | Dec. 16, 1879 | 757 | 218 | 16 | 1133 |
| 211,674 | Shuster, John, New Haven, Conn. Magazine for fire-arms | Jan. 28, 1879 | 715 | 200 | 15 | 98 |
| 213,458 | Shuster, John T., Philadelphia, Pa. Telegraph-conductor | Mar. 18, 1879 | 787 | 222 | 15 | 416 |
| 214,960 | Same Lamp-burner | Apr. 29, 1879 | 1445 | 402 | 15 | 689 |
| 217,417 | Same Mineral wick-tip | July 8, 1879 | 542 | 156 | 16 | 81 |
| | Shuyder, John F. (*See* Bowman, Jacob C., assignor.) | | | | | |
| 219,534 | Sias, William, West Claremont, N. H. Washing-machine | Sept. 9, 1879 | 543 | 152 | 16 | 490 |
| 216,111 | Sibert, Lorenzo, assignor of one-half interest to D. H. Evans and J. A. Noon, Staunton, Va. Churn | June 3, 1879 | 107 | 31 | 15 | 898 |
| | Sibley, Edwin E. (*See* Callahan, Cornelius, assignor.) | | | | | |
| 8,708 | Sibley, Frank, and J. Holmwood, jr., Buffalo, N. Y. Combined gum-box and top. (Reissue) | May 13, 1879 | 518 | 153 | 15 | 772 |
| 217,908 | Sibley, Frank, Buffalo, N. Y. Christmas-tree lamp | July 29, 1879 | 1128 | 323 | 16 | 185 |
| 214,593 | Sibley, Harvey H., Worcester, assignor of one-half interest to W. Pearson, Spencer, Mass. Mane-comb | Apr. 22, 1879 | 1038 | 292 | 15 | 629 |
| | Sibley, Hiram L. (*See* Patten, Sibley & Beagle.) | | | | | |
| 216,112 | Sickles, Charles, Ronseville, Pa. Clamp for polish-rods for oil-wells | June 3, 1879 | 108 | 32 | 15 | 898 |
| 217,647 | Siddeley, Joshua, and F. N. Mackay, Liverpool, England. Cell for the tanks of ice-making apparatus | July 15, 1879 | 810 | 231 | 16 | 128 |
| | Siders, William A. (*See* Poston, Stevens & Siders.) | | | | | |
| | Sidmore, Ansil, *et al.* (*See* Hart, Alexander H., assignor.) | | | | | |
| 218,073 | Siebert, Richard H. E., Washington, D. C. Candlestick | July 29, 1879 | 1303 | 373 | 16 | 208 |
| 215,486 | Siederslehen, Wilhelm, Bernburg, Germany. Tuning-pin for piano-fortes | May 20, 1879 | 603 | 177 | 15 | 792 |
| | Siegel, George. (*See* Schmitt, Peter J., assignor.) | | | | | |
| 216,979 | Siegley, Jacob, New York, N. Y. Bench-plane | July 1, 1879 | 57 | 18 | 16 | 10 |
| | Siemens, Charles W. (*See* Cochrane & Cowper, assignors) (Reissue.) | | | | | |
| | Same (*See* Cowper, Edward A., assignor.) | | | | | |
| 213,353 | Siemens, Charles W., Westminster, England. Lining for rotative furnaces | Mar. 18, 1879 | 691 | 193 | 15 | 402 |
| 218,326 | Siemens, Charles W., Westminster, Middlesex County, Great Britain. Rotative regenerative furnace | Aug. 5, 1879 | 243 | 66 | 16 | 253 |
| 212,991 | Sifers, James H., La Cygne, Kans. End-gate for wagons | Mar. 4, 1879 | 258 | 71 | 15 | 330 |
| | Siglin, Jesse. (*See* La Foy & Siglin.) | | | | | |
| 216,535 | Sigwald, Christian B., Charleston, S. C. Transportation-box for fruit, &c | June 17, 1879 | 606 | 172 | 15 | 978 |
| 221,620 | Sikes, Charles H., Ellicottsville, N. Y. Plant and vine culture | Nov. 11, 1879 | 555 | 153 | 16 | 898 |
| 219,774 | Sikes, Ladore V. and S. R., East Otto, N. Y. Sulky-drag | Sept. 16, 1879 | 816 | 226 | 16 | 534 |
| | Sikes, Simeon R. (*See* Raniville & Sikes.) | | | | | |
| | Sikes, Stillman R. (*See* Sikes, Ladore V. and S. R.) | | | | | |
| | Silberberg Brothers. (*See* Denais, Joseph A., assignor.) | | | | | |
| 213,139 | Silberstein, Morris, New York, N. Y. Muff-tassel | Mar. 11, 1879 | 447 | 124 | 15 | 362 |
| 220,094 | Same Cloak-fastening | Sept. 30, 1879 | 1209 | 333 | 16 | 605 |
| | Silcott, Oscar F. (*See* Rector, Hector O., assignor.) | | | | | |
| 212,577 | Silcott, Oscar F., Felicity, Ohio. Drag-sawing machine | Feb. 25, 1879 | 909 | 251 | 15 | 258 |
| 216,580 | Sills, Thomas, Fort Erie, Canada, assignor of one-half interest to J. R. Petrie, Buffalo, N. Y. Grain-door | June 17, 1879 | 656 | 186 | 15 | 985 |
| 221,621 | Silsby, William H., Chico, Cal. Grain-separator | Nov. 11, 1879 | 556 | 154 | 16 | 899 |
| 219,314 | Silva, Albert P., Elmira, N. Y. Door-knob alarm | Sept. 2, 1879 | 295 | 83 | 16 | 449 |
| | Silver & Deming Manufacturing Company. (*See* Silver, Emmor W., assignor.) | | | | | |
| 216,536 | Silver, Emmor W., assignor to Silver & Deming Manufacturing Company, Salem, Ohio. Meat-chopper | June 17, 1879 | 607 | 172 | 15 | 978 |
| | Silverman, Lyon. (*See* Kerr, Alexander, assignor.) | | | | | |
| 212,992 | Silvernail, William P., Pittsfield, Mass. Hose-pipe supporter | Mar. 4, 1879 | 259 | 71 | 15 | 330 |
| 211,529 | Silvester, William, assignor of two-thirds interest to G. H. Zacharias and W. J. Radcliff, Pittsburg, Pa. Bottle-stopper and stopper-fastener | Jan. 21, 1879 | 530 | 149 | 15 | 70 |
| 223,177 | Simis, Cæsar, Brooklyn, N. Y. Hat-sweat | Dec. 30, 1879 | 1238 | 350 | 16 | 1221 |
| 215,684 | Simkins, James H., Heyworth, Ill. Marking attachment for corn-planters | May 20, 1879 | 821 | 240 | 15 | 822 |
| 222,844 | Simmons, Adolphus I., assignor of two-thirds interest to J. and J. E. Eaton, Utica, N. Y. Paper-box machine | Dec. 23, 1879 | 855 | 246, 247 | 16 | 1157 |
| 213,948 | Simmons, Andrew, Green Vale, and M. Simmons, Lena, Ill. Cultivator-fender | Apr. 1, 1879 | 226 | 67 | 15 | 502 |
| 216,902 | Simmons, Frederick, Wehber street, Blackfriars Road, Surry County, England. Button-hole sewing-machine | June 24, 1879 | 1026 | 291, 292 | 15 | 1043 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Simmons, James H. (*See* Simmons, John W. and J. H.) | | | | | |
| 219, 600 | Simmons, John W. and J. H., Eufaula, Ala. Bale-tie | Sept. 16, 1879 | 620 | 173 | 16 | 508 |
| | Simmons, Michael. (*See* Simmons, Andrew and M.) | | | | | |
| 215, 250 | Simmons, Robert F., Attleborough, Mass. Watch-chain bar | May 13, 1879 | 321 | 95 | 15 | 746 |
| 222, 207 | Simmons, Thomas, assignor to self and J. B. Clapp, Hartford, Conn. Ventilator | Dec. 2, 1879 | 104 | 26 | 16 | 1023 |
| 215, 073 | Simms, Alonzo H., Nixburg, and J. L. Porter, Rockford, Ala. Rope-measuring machine | May 6, 1879 | 99 | 30 | 15 | 715 |
| 218, 074 | Simon, Gottlieb, Bristol, R. I. Temple for weaving tubular fabrics | July 29, 1879 | 1304 | 373 | 16 | 209 |
| 216, 233 | Simon, Gustave, New York, N. Y. Reel and drawer box | June 3, 1879 | 233 | 69 | 15 | 914 |
| 218, 786 | Same.....Trimming | Aug. 19, 1879 | 785 | 223 | 16 | 346 |
| 217, 244 | Simon, Marcus, New York, N. Y. Stamp-affixing apparatus | July 8, 1879 | 364 | 107 | 16 | 59 |
| 8, 849 | Simonds, Nathan J., Woburn, Mass., assignor to E. D. Richardson. Shoe-stiffening. (Reissue) | Aug. 12, 1879 | 593 | 167 | 16 | 312 |
| 217, 752 | Simons, John P., San Francisco, Cal. Gun-wiper | July 22, 1879 | 943 | 271 | 16 | 155 |
| 216, 113 | Simonson, Gibson, Harrison, Ohio. Corn-planter | June 3, 1879 | 109 | 32 | 15 | 898 |
| 214, 202 | Simonson, Jacob, Newark, N. J. Railway-platform guard | Apr. 8, 1879 | 545 | 156 | 15 | 549 |
| | Simpson, Adam. (*See* Warwick, Marshall & Simpson.) | | | | | |
| 222, 745 | Simpson, Andrew J., Washington, D. C., assignor to M. Lissberger, New York, N. Y. Box-fastener | Dec. 16, 1879 | 733 | 210, 211 | 16 | 1130 |
| 214, 203 | Simpson, Charles G. C., Montreal, Canada. Pump for feeding steam-boilers | Apr. 8, 1879 | 546 | 156 | 15 | 549 |
| 217, 751 | Simpson, George S., Decatur, Ill. Check-row attachment to seed-planters | July 22, 1879 | 941 | 270 | 16 | 154 |
| | Simpson, Hall, Miller & Co. (*See* Hawkins, Westel E., assignor.) | | | | | |
| 212, 519 | Simpson, James P., Cincinnati, Ohio. Top-prop for carriages | Feb. 18, 1879 | 827 | 229 | 15 | 239 |
| 214, 793 | Simpson, John, Cleveland, Ohio. Clevis | Apr. 29, 1879 | 1270 | 355 | 15 | 666 |
| 211, 191 | Simpson, John H., Stone Bluffs, Ind. Harrow | Jan. 7, 1879 | 126 | 39 | 15 | 17 |
| 215, 983 | Simpson, Joseph C., Oakland, Cal. Horse-clothing | May 27, 1879 | 1150 | 334 | 15 | 872 |
| 211, 350 | Simpson, Josiah M., Oshkosh, Wis. Steam-boiler | Jan. 14, 1879 | 328 | 97 | 15 | 43 |
| 213, 255 | Simpson, Louisa B., Lawrence, Kans. Apparatus for destroying vegetation on railways | Mar. 11, 1879 | 569 | 158 | 15 | 378 |
| 222, 800 | Simpson, Robert, and G. E. Ganlt, Cincinnati, Ohio. Clothes-wringer | Dec. 23, 1879 | 803 | 231 | 16 | 1150 |
| 220, 257 | Simpson, William S., Battersea, Surry County, England. Roller rod or bar for window-blinds | Oct. 7, 1879 | 53 | 14 | 16 | 642 |
| 217, 556 | Sims, Austin P., assignor of one-third interest to W. F. Foster, Nashville, Tenn. Burglar-alarm | July 15, 1879 | 711 | 203 | 16 | 115 |
| 211, 270 | Sims, Martin T., and L. B. Irvin, Marcus, Ga. Seed-planter | Jan. 7, 1879 | 210 | 61 | 15 | 27 |
| 211, 799 | Sims, William, Ripley, Ohio. Cut-off | Jan. 28, 1879 | 860 | 240 | 15 | 117 |
| | Simson, Louis M., *et al.* (*See* Sanse, Friedrich, assignor.) | | | | | |
| | Sinclair, Adams O. (*See* Atwood, James B., assignor.) | | | | | |
| 211, 114 | Sinclair, James D., Brooklyn, N. Y. Invalid-bedstead | Jan. 7, 1879 | 43 | 13 | 15 | 6 |
| | Sindorf, John F. (*See* Branchler & Sindorf.) | | | | | |
| | Singer, Charles G. (*See* Gillette, George H., assignor.) | | | | | |
| | Singer, Charles G., *et al.* (*See* Shedlock, Alfred, assignor.) | | | | | |
| 220, 996 | Singer, Charles G., New York, N. Y. Tool for securing bushes in holes | Oct. 28, 1879 | 934 | 249 | 16 | 784 |
| 220, 997 | Singer, Charles G., New York, assignor of one-half interest to J. H. Macy, Harrison, N. Y. Machine for branding barrels | Oct. 28, 1879 | 936 | 249, 250 | 16 | 784 |
| 223, 070 | Singer, Charles G., New York, N. Y. Bung | Dec. 30, 1879 | 1121 | 318 | 16 | 1205 |
| 223, 071 | Singer, Edgar C., Marlin, Tex. Bale-tie | Dec. 30, 1879 | 1122 | 318 | 16 | 1205 |
| | Singer Manufacturing Company. (*See* Dustin, Leander, assignor.) | | | | | |
| | Same.....(*See* Snitjer, Drikus, assignor.) | | | | | |
| | Same.....(*See* Miller Lebbeus B., assignor.) | | | | | |
| | Singer Manufacturing Company of New Jersey. (*See* Miller & Diehl, assignors.) | | | | | |
| 215, 405 | Singleton, Samuel L., assignor of one-half interest to J. Aiken, Chulafinnee, Ala. Scythe | May 13, 1879 | 493 | 146 | 15 | 769 |
| 222, 317 | Sinn, Carl F., and W. Studer, Montreal, assignor of one-third interest to P. McRae, Waterloo, Quebec, Canada. Car-brake | Dec. 2, 1879 | 222 | 59 | 16 | 1039 |
| | Sinzheimer, Alexander, *et al.* (*See* Repetti, Joseph, assignor.) | | | | | |
| | Sisley, John L. (*See* Trenery & Sisley.) | | | | | |
| | Sisson, Eunice J., *et al.*, executors. (*See* Sisson, William.) | | | | | |
| | Sisson, Noel E., *et al.* (*See* McDonald & Parsons, assignors.) | | | | | |
| 222, 085 | Sisson, William, deceased, W. H. and E. J. Sisson, executors, Fulton, assignors to H. M. Maguire, Ogdensburg, N. Y. Stave-cutting machine | Nov. 25, 1879 | 1110 | 312 | 16 | 991 |
| | Sisson, William H., *et al.*, executors. (*See* Sisson, William.) | | | | | |
| 220, 095 | Sjoberg, Carl A. J., assignor of one-half interest to T. H. Quittmeyer, Bridgeport, Conn. Window-screen frame | Sept. 30, 1879 | 1210 | 333 | 16 | 605 |
| 219, 025 | Skardon, James, assignor of one-half interest to E. R. Anthony, Cincinnati, Ohio. Darning attachment for sewing-machines | Aug. 26, 1879 | 1078 | 303 | 16 | 395 |
| | Skelton, Creighton R. (*See* Van Why, Joseph M., assignor.) | | | | | |
| 221, 111 | Skerritt, Margaret E., Albany, N. Y. Car-step | Oct. 28, 1879 | 1060 | 281 | 16 | 801 |
| | Skidmore, George C. (*See* Dietrich, C. Joseph, assignor.) | | | | | |
| | Skilton, Charles C. (*See* Palmer, Henry L., assignor).....(Reissue.) | | | | | |
| 216, 355 | Skinner, Elisha W., Sioux City, Iowa. Chain-link | June 10, 1879 | 400 | 114 | 15 | 942 |
| 223, 014 | Same.....Harvester | Dec. 30, 1879 | 1055 | 302 | 16 | 1196 |
| 216, 766 | Skinner, James N., Windsor Locks, Conn. Lathe-chuck | June 24, 1879 | 876 | 249 | 15 | 1024 |
| 221, 746 | Same.....same | Nov. 18, 1879 | 701 | 196 | 16 | 927 |
| 216, 537 | Skinner, John, Charlotte, Mich. Device for converting reciprocating into rotary motion | June 17, 1879 | 608 | 172 | 15 | 979 |
| 220, 500 | Skinner, Le Grand, Erie, Pa. Connecting-rod for steam-engines | Oct. 14, 1879 | 332 | 88 | 16 | 688 |
| 218, 583 | Skinner, Richard J., Oswego, N. Y. Middlings-separator | Aug. 12, 1879 | 549 | 154 | 16 | 306 |
| 214, 462 | Slack, John T., assignor of one-half interest to W. H. H. Slack, Springfield, Vt. Machine for picking rags or waste | Apr. 15, 1879 | 865 | 244 | 15 | 600 |
| | Slack, William H. H. (*See* Slack, John T., assignor.) | | | | | |
| | Slade, Charles V. B. (*See* Edwards, Gustavus W., assignor.) | | | | | |
| 222, 845 | Slade, Frederick J., Trenton, N. J. Feed device for rolling-mills | Dec. 23, 1879 | 860 | 247 | 16 | 1157 |
| | Slade, George P. (*See* Baylies & Slade.) | | | | | |
| | Slade, Jarvis M., *et al.* (*See* Baylies, Franklin, assignor.) | | | | | |
| | Slade, J. Morgan. (*See* Baylies & Slade.) | | | | | |
| 216, 062 | Slaight, Thomas, Newark, N. J. Padlock | June 3, 1879 | 60 | 16 | 15 | 892 |
| | Slanker, Daniel J., *et al.* (*See* Linton, Harry E., assignor.) | | | | | |
| 214, 961 | Slater, John Y., Baltimore, Md. Water-closet ventilation | Apr. 29, 1879 | 1446 | 402 | 15 | 689 |
| 220, 181 | Slaughter, Robert F., Poplar Grove, Ky. Sheet-metal roofing | Sept. 30, 1879 | 1306 | 360 | 16 | 619 |
| 8, 988 | Slawson, John B., New York, N. Y. Fare-box.....(Reissue) | Dec. 2, 1879 | 261 | 71 | 16 | 1044 |
| | Slayden, Stokly W., *et al.* (*See* Mahan, Frank M., assignor.) | | | | | |
| 220, 438 | Slayton, Nelson B., Rochester, N. Y. Razor and knife | Oct. 7, 1879 | 251 | 67 | 16 | 669 |
| 219, 121 | Sleo, Henry J., and E. K. Goss, Chicago, Ill. Preserving, protecting, and handling ice | Sept. 2, 1879 | 71 | 23 | 16 | 422 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 219, 989 | Sleeman, Nathaniel, Birmingham, assignor, by mesne assignments, to National Gas Saving Company, Ansonia, Conn. Gas-regulator | Sept. 23, 1879 | 1065 | 295 | 16 | 578 |
| 219, 990 | Same.....same | Sept. 23, 1879 | 1066 | 296 | 16 | 578 |
| 215, 301 | Sleeper, William O., San Francisco, Cal. Revolving ore-roaster | May 13, 1879 | 396 | 117 | 15 | 755 |
| 222, 086 | Slemmer, Frank G., Philadelphia, Pa. Clothes-line hook | Nov. 25, 1879 | 1111 | 312 | 16 | 991 |
| | Slicer, Charles H. (*See* Lewis, James M., assignor.) | | | | | |
| 213, 459 | Slicer, Charles H., Baltimore, Md. Manufacture of Portland cement | Mar. 18, 1879 | 788 | ..... | 15 | 416 |
| 213, 460 | Same.....Manufacture of oyster-shell lime | Mar. 18, 1879 | 789 | ..... | 15 | 416 |
| | Sloan, Frank B., *et al.* (*See* Clarkson & Kesler, assignors).....(Reissue.) | | | | | |
| 216, 767 | Sloan, Frank B., and F. S. Clarkson, Baltimore, Md. Sash-cord guide | June 24, 1879 | 877 | 249 | 15 | 1024 |
| 213, 844 | Sloan, John O., Cincinnati, Ohio. Sewing-machine caster | Apr. 1, 1879 | 122 | 37 | 15 | 488 |
| 220, 673 | Same.....same | Oct. 14, 1879 | 532 | 141 | 16 | 714 |
| | Slocum, Charles R. (*See* Hurlburt & Slocum.) | | | | | |
| 215, 984 | Slocum, Eugene, Rose Hill, Iowa. Refrigerating butter-case | May 27, 1879 | 1151 | 335 | 15 | 872 |
| 215, 251 | Slocum, William H., Buffalo, N. Y. Type-writing machine | May 13, 1879 | 322 | 95 | 15 | 746 |
| 219, 535 | Slosson, John M., Minneapolis, Minn. Refrigerator | Sept. 9, 1879 | 543 | 152 | 16 | 490 |
| 222, 318 | Slusser, Benjamin, Sidney, Ohio. Elevator | Dec. 2, 1879 | 224 | 59 | 16 | 1039 |
| 221, 871 | Sly, George E., Belle Plaine, Minn. Railway-car | Nov. 18, 1879 | 854 | 239 | 16 | 947 |
| 221, 622 | Sly, Morgan H., Shepardsville, Mich. Combination-tool | Nov. 11, 1879 | 557 | 154 | 16 | 899 |
| 215, 685 | Slyh, Charles M., and B. E Carpenter, Plain City, Ohio. Horse-detacher | May 20, 1879 | 823 | 240 | 15 | 822 |
| 221, 872 | Smail, Marion, Crawfordsville, Ind. Combined grader and stalk-cutter | Nov. 18, 1879 | 855 | 239 | 16 | 947 |
| 222, 087 | Small, Byron B., North Lubec, Me. Combined horse-hoe and cultivator | Nov. 25, 1879 | 1111 | 313 | 16 | 991 |
| 222, 605 | Small, Herbert M., Baldwinsville, Mass. Pad for carpets | Dec. 16, 1879 | 579 | 165 | 16 | 1107 |
| 221, 368 | Small, Samuel, Clay Township, Hamilton County, assignor of one-half interest to S. and L. Carey, jr., Carmel, Ind. Automatic gate | Nov. 4, 1879 | 257 | 69 | 16 | 848 |
| | Smeaton, John. (*See* Smeaton, William M. and J.) | | | | | |
| 222, 088 | Smeaton, William M. and J., Newcastle street, Strand, Middlesex County, England. Water-closet valve mechanism | Nov. 25, 1879 | 1112 | 313 | 16 | 991 |
| 214, 849 | Smedley, Bennett L., Philadelphia, Pa. Pill-machine | Apr. 29, 1879 | 1336 | 371 | 15 | 675 |
| | Smedley, Edwin. (*See* Wyatt & Smedley.) | | | | | |
| 8, 941 | Smick, Solomon S., Fort Wayne, Ind. Grave-shield and body-protector...(Reissue).. | Oct. 21, 1879 | 812 | 217 | 16 | 759 |
| 213, 355 | Smiley, Frank, Batavia, N. Y. Carriage-top | Mar. 18, 1879 | 692 | 194 | 15 | 402 |
| 216, 903 | Smiley, James A., Prattville, Ala. Cotton-gin rib | June 24, 1879 | 1029 | 292 | 15 | 1043 |
| | Smith, Adam, *et al.* (*See* Arkell, James, assignor).....(Reissue.) | | | | | |
| 222, 425 | Smith, Adam, assignor to Arkell & Smiths, Canajoharie, N. Y. Bag | Dec. 9, 1879 | 350 | 99 | 16 | 1067 |
| 219, 538 | Smith, Alanson, Mendota, Ill. Soap | Sept. 9, 1879 | 546 | ..... | 16 | 490 |
| 218, 198 | Smith, Albert M., Brooklyn, N. Y. Safety-pin | Aug. 5, 1879 | 109 | 29 | 16 | 235 |
| 220, 882 | Smith, Alexander, Arcanum, Ohio. Combined vegetable slicer and grater | Oct. 21, 1879 | 780 | 208 | 16 | 755 |
| 212, 276 | Smith, Allen, Fort Randall, Dak. Whiffletree-hook | Feb. 11, 1879 | 520 | 144 | 15 | 195 |
| 216, 464 | Smith, Alpha M., Tampico, Ill. End-gate for wagons | June 10, 1879 | 522 | 149 | 15 | 959 |
| 220, 182 | Smith, Ambrose N., Portage, Wis. Derrick and crane | Sept. 30, 1879 | 1306 | 361 | 16 | 619 |
| | Smith, Amor, jr. (*See* Smith, Leander and A., jr.) | | | | | |
| 211, 867 | Smith, Andrew A., Denver, Colo. Propeller-skate | Feb. 4, 1879 | 51 | 16 | 15 | 133 |
| 211, 868 | Same.....Ice-velocipede | Feb. 4, 1879 | 53 | 16, 17 | 15 | 133 |
| 213, 701 | Smith, Andrew J., Ukiah City, Cal. Candlestick | Mar. 25, 1879 | 1058 | 301 | 15 | 458 |
| 220, 879 | Same.....same | Oct. 21, 1879 | 777 | 207 | 16 | 754 |
| | Smith, August, *et al.* (*See* Bayliff & Harrod, assignors.) | | | | | |
| 216, 115 | Smith, Augustus P., Rock Falls, Ill. Oversleeve | June 3, 1879 | 113 | 33 | 15 | 899 |
| 222, 161 | Smith, Austin A., Leominster, Mass. Button-lathe | Dec. 2, 1879 | 49 | 12, 13 | 16 | 1016 |
| | Smith, Austin H., *et al.* (*See* McConoughey, Hulbert N., assignor)..... (Reissue.) | | | | | |
| | Smith, A. Weston. (*See* Lewis, James H., assignor.) | | | | | |
| | Smith, Benjamin, *et al.* (*See* Arkell, James, assignor).....(Reissue.) | | | | | |
| 218, 645 | Smith, Benjamin, assignor of one-half interest to McCausland & Co., Dayton, Ohio. Registering device for baling-presses | Aug. 19, 1879 | 635 | 179 | 16 | 325 |
| 8, 778 | Smith, Benjamin W., Rockport, and E. O. Frink, assignors to J. A. McKenzie, Indianapolis, Ind. Steam and air brake.....(Reissue).. | June 24, 1879 | 1074 | 305 | 15 | 1050 |
| | Smith, Canby S., *et al.* (*See* Archibald & Holcroft, assignors.) | | | | | |
| | Smith, Charles. (*See* Abbe, John R., assignor.) | | | | | |
| 211, 802 | Smith, Charles, Chicago, Ill. Heating and circulating device for steam-boilers | Jan. 28, 1879 | 862 | 241 | 15 | 117 |
| 214, 263 | Smith, Charles A., Toledo, Ohio. Plant irrigator and propagator | Apr. 15, 1879 | 639 | 179 | 15 | 571 |
| 8, 750 | Smith, Charles D., Chicago, Ill. Steam-boiler furnace.....(Reissue).. | June 10, 1879 | 557 | 159 | 15 | 963 |
| | Smith, Charles E. (*See* Niles, Gardner H., assignor.) | | | | | |
| 219, 316 | Smith, Charles E., and C. E. French, Goffstown, N. H. Latch | Sept. 2, 1879 | 297 | 84 | 16 | 449 |
| | Smith, Charles H., *et al.* (*See* Farley, Henry W., assignor).....(Reissue.) | | | | | |
| | Same..... (*See* Farber, Mannasseh W., assignor.) | | | | | |
| | Smith, Charles H. (*See* Wood & Smith.) | | | | | |
| 214, 204 | Smith, Charles H., assignor to O. B. North & Co., New Haven, Conn. Trace-carrier | Apr. 8, 1879 | 550 | 156 | 15 | 550 |
| 216, 904 | Smith, Charles H., New Haven, assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Latch | June 24, 1879 | 1029 | 293 | 15 | 1043 |
| 221, 113 | Smith, Christopher C., Cool Springs, Ga. Preserving meats | Oct. 28, 1879 | 1062 | ..... | 16 | 800 |
| 212, 060 | Smith, Cyrus, Irwin's Station, Pa. Smoke-consuming furnace for boilers | Feb. 4, 1879 | 276 | 75 | 15 | 160 |
| 217, 163 | Smith, David, assignor to self and G. C. Forbes, Boston, Mass. Urine-guard for water-closet seats | July 1, 1879 | 263 | 77 | 16 | 36 |
| 220, 096 | Smith, David, Jamestown, N. Y. Potato-digger | Sept. 30, 1879 | 1211 | 333 | 16 | 606 |
| 211, 869 | Smith, David W., San José, assignor of one-half interest to J. Murray, Menard County, Ill. Bee-hive | Feb. 4, 1879 | 55 | 17 | 15 | 133 |
| 221, 000 | Smith, Dexter, Springfield, Mass. Revolving fire-arm | Oct. 28, 1879 | 940 | 251 | 16 | 785 |
| | Smith, D. K. (*See* Smith, Walton D., assignor.) | | | | | |
| 214, 723 | Smith, Earl A., assignor to Waterbury Buckle Company, Waterbury, Conn. Buckle.. | Apr. 22, 1879 | 1173 | 330 | 15 | 646 |
| | Smith, Edgar. (*See* Williams, Smith & Milligan.) | | | | | |
| | Smith, Edmond C. (*See* Dancel & Smith.) | | | | | |
| | Smith, Edward C. (*See* Smith, Perez B. H., assignor.) | | | | | |
| 213, 354 | Smith, Edward C., assignor to self and G. M. Southmayd, Middletown, Conn. Nut-lock | Mar. 18, 1879 | 692 | 193 | 15 | 402 |
| 212, 578 | Smith, Edward S., Waterbury, Conn., assignor to D. S. Bedell, New York, N. Y. Clasp for elastic bands | Feb. 25, 1879 | 910 | 251 | 15 | 258 |
| | Smith & Egge Manufacturing Company. (*See* Egge, Frederick, assignor.) | | | | | |
| | Same.....(*See* Smith & Egge, assignors.) | | | | | |
| 212, 995 | Smith, Eldridge J., Washington, D. C. Book-case | Mar. 4, 1879 | 262 | 72 | 15 | 330 |
| 221, 141 | Smith, Eldridge J., assignor of one-half interest to J. C. Smith, Washington, D. C. Settee | Oct. 28, 1879 | 1085 | 286 | 16 | 803 |
| 212, 520 | Smith, Elsie M., Fishkill Landing, N. Y. Corset-steel | Feb. 18, 1879 | 828 | 230 | 15 | 239 |
| 214, 464 | Smith, Ephraim, assignor to Hussey, Binns & Co., Pittsburg, Pa. Shovel-handle | Apr. 15, 1879 | 867 | 244 | 15 | 600 |
| 220, 880 | Smith, Ferdinand E., Prattville, Ala. Cotton-gin | Oct. 21, 1879 | 778 | 207 | 16 | 754 |
| 216, 538 | Smith, Fielden, Quincy, Mass. Sock-protector | June 17, 1879 | 609 | 173 | 15 | 979 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 219,026 | Smith, Franklin M., Thivener Post-Office, Ohio. Wash-board | Aug. 26, 1879 | 1079 | 304 | 16 | 395 |
| 213,786 | Smith, Frederick H., Baltimore, Md. Column | Apr. 1, 1879 | 60 | 19 | 15 | 480 |
| 217,909 | Smith, Frederick W., and J. S. Shannon, Chicago, Ill. Paper-holder | July 29, 1879 | 1129 | 323 | 16 | 186 |
| 212,059 | Smith, Friend W., and F. Egge, assignors to Smith & Egge Manufacturing Company, Bridgeport, Conn. Lock | Feb. 4, 1879 | 274 | 75 | 15 | 160 |
| 221,195 | Smith, George, Stratford, Ontario, Canada, Car-brake | Nov. 4, 1879 | 62 | 16, 17 | 16 | 820 |
| | Smith, George B. (*See* Lighthall, William A., assignor.) | | | | | |
| 216,114 | Smith, George D., assignor of one-half interest to F. A. Sumner, Spartanburg, S. C. Buckle | June 3, 1879 | 113 | 32 | 15 | 899 |
| 215,175 | Smith, George H., Webster, W. Va. Hay-truck | May 6, 1879 | 219 | 64 | 15 | 730 |
| 221,873 | Same..... Door-check | Nov. 18, 1879 | 856 | 239 | 16 | 947 |
| 217,418 | Smith, George H., South Kensington, Middlesex County, England, assignor to S. B. Smith, New York, N. Y. Treatment of bone, vegetable ivory, &c. | July 8, 1879 | 543 | 156 | 16 | 81 |
| 221,428 | Same.....Apparatus and process of fixing colors | Nov. 11, 1879 | 337 | 93 | 16 | 868 |
| 212,994 | Smith, George M., Salem, Ohio. Tuyere | Mar. 4, 1879 | 960 | 72 | 15 | 330 |
| 219,027 | Smith, George M., assignor to self and W. J. Lewis, Pittsburg, Pa. Manufacture of carriage-bolts | Aug. 26, 1879 | 1079 | 304 | 16 | 395 |
| 223,072 | Smith, George P., Bay City, Mich. Steam-conducting pipe | Dec. 30, 1879 | 1123 | 318 | 16 | 1205 |
| | Smith, George T. (*See* Carley, Horace S., assignor.) | | | | | |
| 216,704 | Smith, George T., and W. F. Cochrane, Jackson, Mich. Millstone-driver | June 17, 1879 | 786 | 224 | 15 | 1003 |
| 211,800 | Smith, George W., Ansonia, Conn. Fire-brick | Jan. 28, 1879 | 861 | 240 | 15 | 117 |
| 222,426 | Smith, George W., and E. J. S. Davis, Van Meter, Iowa. Hay gathering and cocking machine | Dec. 9, 1879 | 352 | 100 | 16 | 1067 |
| 211,352 | Smith, Gillous B., Bath, N. Y. Measuring-funnel | Jan. 14, 1879 | 331 | 97 | 15 | 43 |
| 220,439 | Smith, Guernsey, Rochester, Ill. Ditching-machine | Oct. 7, 1879 | 251 | 67 | 16 | 669 |
| 223,180 | Smith, Hamilton E., New York, N. Y. Apron for ironing-machines | Dec. 30, 1879 | 1241 | 351 | 16 | 1221 |
| 212,993 | Smith, Hemphill, Tipton, Tenn. Horse-power tread | Mar. 4, 1879 | 259 | 71, 72 | 15 | 330 |
| 214,529 | Smith, Henry, Dunkirk, Ohio. Table-waiter | Apr. 22, 1879 | 970 | 272 | 15 | 620 |
| 219,417 | Smith, Henry, New Haven, Conn. Top-prop nut | Sept. 9, 1879 | 425 | 118 | 16 | 474 |
| 219,536 | Smith, Henry, Charlotteville, N. Y. Undertaker's stool | Sept. 9, 1879 | 544 | 152 | 16 | 490 |
| 214,058 | Smith, Henry A., and C. S. Hallstead, Nicholson, Pa. Reversible spittoon attachment for car-seats | Apr. 8, 1879 | 381 | 107 | 15 | 529 |
| | Smith, Henry F. (*See* Smith, Knable & Smith.) | | | | | |
| 214,322 | Smith, Henry W., Newton, Mass. Case for pianos and organs | Apr. 15, 1879 | 717 | 201 | 15 | 581 |
| 220,998 | Same.....Reed-organ | Oct. 28, 1879 | 938 | 250 | 16 | 784 |
| 219,181 | Smith, Herbert R., Columbus, Ohio, and H. M. Munsell, New York, N. Y. Liquid fuel | Sept. 2, 1879 | 135 | 41 | 16 | 430 |
| 219,991 | Smith, Herbert R., Columbus, Ohio. Hydrocarbon-furnace | Sept. 23, 1879 | 1067 | 296 | 16 | 578 |
| 213,700 | Smith, Hiram B., Philadelphia, assignor of one-half interest to F. S. Dippery, Reading, Pa. Folding chair | Mar. 25, 1879 | 1057 | 301 | 15 | 458 |
| 217,961 | Smith, Hiram B., Philadelphia, assignor to F. S. Dippery, Reading, Pa. Match-box | July 29, 1879 | 1185 | 339 | 16 | 193 |
| 220,183 | Smith, Hiram S., Austin, Minn. Harrow | Sept. 30, 1879 | 1308 | 361 | 16 | 619 |
| 217,419 | Smith, Jacob A., Salem, Ohio, assignor of one-half interest to C. F. Kesselmire. Safety center-pinion for watches | July 8, 1879 | 546 | 157 | 16 | 81 |
| | Smith, James, *et al.* (*See* Lundberg, Charles O., assignor.) | | | | | |
| 215,173 | Smith, James, Thornliebank, Renfrew County, North Britain. Apparatus for steaming printed fabrics | May 6, 1879 | 217 | 63, 64 | 15 | 729 |
| 222,540 | Smith, James, New Albany, Ind. Drawing-frame | Dec. 9, 1879 | 486 | 137 | 16 | 1084 |
| 214,721 | Smith, James A., Ashland, Ohio. Bag-holder | Apr. 22, 1879 | 1171 | 330 | 15 | 646 |
| | Smith, James D. (*See* Smith, Lafayette and J. D.) | | | | | |
| 220,185 | Smith, James F., Georgetown, Ill. Farm-gate | Sept. 30, 1879 | 1309 | 361 | 16 | 620 |
| 218,788 | Smith, James G., Chagrin Falls, Ohio. Stove | Aug. 19, 1879 | 786 | 224 | 16 | 346 |
| | Smith, James L. (*See* Keyes & Smith.) | | | | | |
| 213,461 | Smith, James M., Sycamore, assignor to self and W. L. Isaac, Berlin, Ill. Vehicle-axle lubricator | Mar. 18, 1879 | 790 | 222 | 15 | 416 |
| 211,272 | Smith, James T., assignor to self and J. Boyd, Baltimore, Md. Pneumatic safe burglar-alarm | Jan. 7, 1879 | 212 | 62 | 15 | 27 |
| 221,112 | Smith, James W., South Schroon, N. Y. Washing-machine | Oct. 28, 1879 | 1061 | 281 | 16 | 801 |
| | Smith, J. Clement. (*See* Smith, Eldridge J., assignor.) | | | | | |
| | Smith, J. D., *et al.* (*See* Taber, Harlow W., assignor.) | | | | | |
| 212,061 | Smith, Jerome G., Humboldt, Kans. Temporary binder | Feb. 4, 1879 | 277 | 75 | 15 | 160 |
| 211,940 | Smith, J. Henry, Brooklyn, N. Y., and A. Traver, Orange, N. J. Combined cabinet and show-case for gloves | Feb. 4, 1879 | 135 | 39 | 15 | 143 |
| 215,686 | Smith, John, Verona, Pa. Nut-lock | May 20, 1879 | 823 | 241 | 15 | 822 |
| 217,712 | Smith, John, Boston, Mass. Ventilator | July 22, 1879 | 904 | 259 | 16 | 150 |
| 223,015 | Smith, John, assignor to self and C. B. Clark, Cleveland, Ohio. Lubricator | Dec. 30, 1879 | 1058 | 302 | 16 | 1197 |
| 8,831 | Smith, John E., Shiloh, Ohio. Grain-separator.....(Reissue) | Aug. 5, 1879 | 283 | 77 | 16 | 258 |
| 217,493 | Smith, John F., London, Ohio. Pitman-joint | July 15, 1879 | 643 | 183 | 16 | 105 |
| 221,624 | Smith, John H., assignor to Withington & Cooley Manufacturing Company, Jackson, Mich. Manufacture of garden-rakes | Nov. 11, 1879 | 558 | 154 | 16 | 899 |
| 219,415 | Smith, John J. C., Somerville, Mass., assignor to College Point Rubber Company (limited), College Point, N. Y. Manufacture of hard-rubber handles for cutlery, &c | Sept. 9, 1879 | 424 | 118 | 16 | 473 |
| 219,416 | Smith, John J. C., assignor to College Point Rubber Company (limited), College Point, N. Y. Cutlery | Sept. 9, 1879 | 425 | 118 | 16 | 474 |
| 220,947 | Smith, John J. C., Somerville, Mass., assignor to College Point Rubber Company (limited), College Point, N. Y. Brush | Oct. 28, 1879 | 870 | 233 | 16 | 776 |
| | Smith, John O. (*See* South, William, assignor.) | | | | | |
| 222,319 | Smith, John P., Claverack, N. Y. Thrashing-machine | Dec. 2, 1879 | 225 | 60 | 16 | 1040 |
| | Smith, John R. (*See* Walker & Smith.) | | | | | |
| 217,164 | Smith, John S., Jackson, Mich. Tube-cleaner | July 1, 1879 | 263 | 78 | 16 | 36 |
| 218,902 | Same.....Device for securing blankets to horses | Aug. 26, 1879 | 953 | 267 | 16 | 379 |
| 220,674 | Smith, John W., Brooklyn, N. Y. Combined fire-alarm and fire-extinguisher | Oct. 14, 1879 | 533 | 141 | 16 | 714 |
| | Smith, Joseph. (*See* Thomas & Smith.) | | | | | |
| | Smith, Joseph A. (*See* Whiting, Albert, assignor.) | | | | | |
| 219,537 | Smith, Joseph A., assignor to self and A. Whiting, Rochester, N. Y. Raising and transferring hides in tan-vats | Sept. 9, 1879 | 545 | 153 | 16 | 490 |
| | Smith, Joseph F. (*See* Wadsworth & Smith.) | | | | | |
| 214,722 | Smith, Joseph F., Germantown, and C. Lehmann, Philadelphia, Pa. Cam for knitting-machines | Apr. 22, 1879 | 1172 | 330 | 15 | 646 |
| 217,557 | Smith, Joseph M., Milford, N. H. Composition roller for drawing-frames, &c | July 15, 1879 | 712 | 203 | 16 | 115 |
| 212,753 | Smith, Joseph N., Jersey City, N. J. Machine for dressing the journals of railway-car axles | Feb. 25, 1879 | 1085 | 301 | 15 | 282 |
| 212,754 | Same.....Machine for dressing the bearing-caps of railway-carriage journals | Feb. 25, 1879 | 1087 | 302 | 15 | 282 |
| 212,755 | Same.....Car-axle box | Feb. 25, 1879 | 1089 | 302, 303 | 15 | 282 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 212,756 | Smith, Joseph N., Jersey City, N. J. Car-axle box | Feb. 25, 1879 | 1092 | 303 | 15 | 283 |
| 211,530 | Smith, Joseph W., Boston, Mass. Clasp | Jan. 21, 1879 | 530 | 149 | 15 | 70 |
| 218,327 | Smith, Julia C., Ashton, Ill. Boiler washing-machine | Aug. 5, 1879 | 244 | 67 | 16 | 253 |
| 218,075 | Smith, Lafayette, Millersburg, Ind. Eave-trough hanger | July 29, 1879 | 1305 | 374 | 16 | 209 |
| 213,702 | Smith, Lafayette and J. D., Danbury, N. C. Tobacco rolling and cutting machine | Mar. 25, 1879 | 1058 | 301 | 15 | 458 |
| 214,724 | Smith, Leander and A., jr., Cincinnati, Ohio. Mode of and apparatus for washing grain | Apr. 22, 1879 | 1174 | 330 | 15 | 646 |
| 213,846 | Smith, Leroy T., Brooklyn, assignor to E. A. Nichols, New York, N. Y. Wire-brim hat | Apr. 1, 1879 | 126 | 37 | 15 | 489 |
| 218,787 | Smith, Lewis L., F. L. Knable, and H. F. Smith, Orange, N. J. Stiff-hat flange | Aug. 19, 1879 | 785 | 223 | 16 | 346 |
| 213,462 | Smith, Leyman T., New Haven, Conn. Machine for sewing covered nuts | Mar. 18, 1879 | 790 | 223 | 15 | 416 |
| | Smith Machine Company, H. B. (*See* Storey, Bradford W., assignor.) | | | | | |
| 211,271 | Smith, Marshall M., Kirkville, Mo. Combined-tool | Jan. 7, 1879 | 211 | 61 | 15 | 27 |
| 220,675 | Smith, Mary E., and G. B. Fay, assignors to said Smith and C. R. Fay, Brooklyn, N. Y. Adjustable pillow-sham holder | Oct. 14, 1879 | 535 | 141 | 16 | 714 |
| 213,784 | Smith, Michael, Somerville, Mass., assignor to College Point Rubber Company (limited), College Point, N. Y. Inlaying metallic scroll-ornaments in hard rubber and allied gums | Apr. 1, 1879 | 58 | 19 | 15 | 480 |
| 223,178 | Smith, Millard F., Delavan, Ill. Clothes-pounder | Dec. 30, 1879 | 1238 | 351 | 16 | 1221 |
| | Smith, Milo R., *et al.* (*See* Sager, Conrad W., assignor.) | | | | | |
| 220,676 | Smith, Moore, Worcester, Mass. Wire-stretcher | Oct. 14, 1879 | 535 | 142 | 16 | 715 |
| 8,660 | Smith, Morris H., Brooklyn, N. Y., assignor to G. S. Gray, Cincinnati, Ohio. Curing pork (Reissue) | Apr. 8, 1879 | 583 | ..... | 15 | 554 |
| 212,277 | Smith, Mort H., Battle Creek, Mich. Window-screen | Feb. 11, 1879 | 521 | 145 | 15 | 195 |
| 222,321 | Smith, Oberlin, Bridgeton, N. J. Drilling-machine | Dec. 2, 1879 | 227 | 60, 61 | 16 | 1040 |
| 212,997 | Smith, Orren M., assignor to S. W. Evans & Son, Frankford, Pa. Umbrella-notch ring | Mar. 4, 1879 | 263 | 73 | 15 | 331 |
| | Smith, Pamela. (*See* Smith, William, assignor.) | | | | | |
| 214,725 | Smith, Perez B. H., Green Point, Brooklyn, N. Y. Machine for dressing boxes | Apr. 22, 1879 | 1177 | 331 | 15 | 647 |
| 222,320 | Smith, Perez B. H., assignor to E. C. Smith, Green Point, Brooklyn, N. Y. Box-printing machine | Dec. 2, 1879 | 226 | 60 | 16 | 1040 |
| 220,999 | Smith, Richard, assignor to Mackellar, Smiths & Jordan, Philadelphia, Pa. Curve-bodied printing-type | Oct. 28, 1879 | 939 | 250 | 16 | 784 |
| | Smith, Rodney B. (*See* Porter, Frederick E., assignor.) | | | | | |
| | Smith, R. Pearsall, *et al.* (*See* Atwater, Richard M., assignor.) | | | | | |
| 213,785 | Smith, Samuel, New Castle, Pa. Advertising attachment to street-lamps | Apr. 1, 1879 | 60 | 19 | 15 | 480 |
| | Smith, Samuel B. (*See* Smith, George H., assignor.) | | | | | |
| 220,097 | Smith, Samuel R., Cincinnati, Ohio. Drag-sawing machine | Sept. 30, 1879 | 1212 | 334 | 16 | 606 |
| | Smith, Sanford A. (*See* Crosby, John M., assignor.) | | | | | |
| | Smith, Scott. (*See* Knight & Smith.) | | | | | |
| 211,801 | Smith, Stephen M., York, Pa. Washing-machine | Jan. 28, 1879 | 861 | 241 | 15 | 117 |
| 223,179 | Same.....Water-wheel | Dec. 30, 1879 | 1239 | 351 | 16 | 1221 |
| 221,623 | Smith, Thomas J., Detroit, Mich. Trace-buckle | Nov. 11, 1879 | 558 | 154 | 16 | 899 |
| 214,463 | Smith, Thomas J., assignor of one-half interest to W. Quinn, New York, N. Y. Safety-regulator for pumps and water-pipes | Apr. 15, 1879 | 866 | 244 | 15 | 600 |
| 212,966 | Smith, Thomas M., Baltimore, Md. Ball-trap | Mar. 4, 1879 | 262 | 72 | 15 | 330 |
| 214,962 | Same.....same | Apr. 29, 1879 | 1447 | 403 | 15 | 690 |
| 213,303 | Smith, Thomas S., Rutledge, Ga. Fertilizer-distributer and seed-planter | Mar. 18, 1879 | 636 | 179 | 15 | 395 |
| 221,747 | Smith, Thomas S., Saint Louis, Mo. Carriage-boot | Nov. 18, 1879 | 702 | 197 | 16 | 927 |
| 220,039 | Smith, Thomas W., Chiswell street, Middlesex County, England. Type-matrice | Sept. 30, 1879 | 1137 | 314 | 16 | 595 |
| 213,845 | Smith, Uzziel P., New York, N. Y. Apparatus for burning naphtha | Apr. 1, 1879 | 123 | 37 | 15 | 488 |
| 216,705 | Smith, Walter, Orwell, Vt. Harness for preventing horses from kicking | June 17, 1879 | 787 | 225 | 15 | 1003 |
| 223,181 | Smith, Walton D., assignor of one-half interest to D. K. Smith, Prophetstown, Ill. Furnace | Dec. 30, 1879 | 1242 | 352 | 16 | 1221 |
| 219,369 | Smith, Warren G., New York, N. Y. Separable-button | Sept. 9, 1879 | 370 | 104 | 16 | 467 |
| | Smith, Wesley. (*See* Osgood, Henry H. and T. C., assignors.) | | | | | |
| 8,684 | Smith, Willard H., Brooklyn, N. Y. Wick-raiser (Reissue) | Apr. 22, 1879 | 1202 | 337 | 15 | 650 |
| 8,686 | Same.....Vapor-burner (Reissue) | Apr. 22, 1879 | 1204 | 338 | 15 | 650 |
| 221,475 | Same .... Car lighting and ventilating apparatus | Nov. 11, 1879 | 394 | 108 | 16 | 875 |
| 221,476 | Smith, Willard H., New York, N. Y. Lamp | Nov. 11, 1879 | 396 | 108 | 16 | 875 |
| 221,477 | Smith, Willard H., Brooklyn, N. Y. Car-lamp | Nov. 11, 1879 | 397 | 109 | 16 | 875 |
| 214,594 | Smith, William, Sharpsburg, Pa. Lubricant | Apr. 22, 1879 | 1039 | ..... | 15 | 629 |
| 218,585 | Smith, William, Pittsburg, Pa. Apparatus for the manufacture of gas | Aug. 12, 1879 | 551 | 155 | 16 | 306 |
| 218,584 | Smith, William, assignor to P. Smith, Pittsburg, Pa. Construction of domes or crowns of gas and other furnaces | Aug. 12, 1879 | 550 | 155 | 16 | 306 |
| 215,174 | Smith, William, assignor of one-third interest to L. L. Davis, Eaton Rapids, Mich. Boot-strap | May 6, 1879 | 218 | 64 | 15 | 730 |
| 220,184 | Smith, William H., Dallas, Tex. Combined land-roller and harrow | Sept. 30, 1879 | 1308 | 361 | 16 | 620 |
| 216,063 | Smith, William T., Baltimore, Md. Saw-setting machine | June 3, 1879 | 61 | 17 | 15 | 892 |
| 211,351 | Smith, William T., and E. Obshagen, New Lots, N. Y. Grain-conveyer | Jan. 14, 1879 | 329 | 97 | 15 | 43 |
| 219,315 | Smith, William W., and J. C. Randall, Sulphur Spring, Tex. Horse-power | Sept. 2, 1879 | 296 | 83, 84 | 16 | 449 |
| | Smith, Wilson R. (*See* Cadman, Isaac P., assignor.) | | | | | |
| 211,481 | Smith, Zeno X., Wittenberg, N. C. Brick-machine | Jan. 21, 1879 | 475 | 134 | 15 | 64 |
| 220,881 | Smithers, Joseph P., Brooklyn, N. Y. Lamp | Oct. 21, 1879 | 779 | 208 | 16 | 755 |
| 211,599 | Smithson, Richard T., Marshall, Tex. Cotton and hay press | Jan. 21, 1879 | 613 | 173 | 15 | 81 |
| 218,586 | Smoot, Harvey, Maurertown, Va. Washing-machine | Aug. 12, 1879 | 552 | 155 | 16 | 306 |
| | Smothers, Philbert J. (*See* Santee, Cornelius B., assignor.) | | | | | |
| 220,312 | Smyth, David M., East Northwood, N. H., assignor to G. W. Root, Hartford, Conn. Book-sewing machine | Oct. 7, 1879 | 117 | 31, 32 | 16 | 650 |
| 212,407 | Smyth, Samuel, Pittston, Pa. Grate for stoves and furnaces | Feb. 18, 1879 | 678 | 189 | 15 | 219 |
| 219,028 | Smyth, Tom P., Cuffey's Cove, Cal. Railway-track lubricator | Aug. 26, 1879 | 1081 | 304 | 16 | 396 |
| 212,278 | Smyth, William H., San Francisco, Cal. Drag-saw | Feb. 11, 1879 | 521 | 145 | 15 | 195 |
| 214,595 | Snapp, James W., assignor of one-third interest to U. and J. H. Sherrill, Jasper, Tenn. Window-grating | Apr. 22, 1879 | 1040 | 292 | 15 | 629 |
| 220,501 | Snapp, James W., assignor of one-half interest to C. H. Vann, Jasper, Tenn. Grub or sprout extractor | Oct. 14, 1879 | 333 | 88 | 16 | 688 |
| 211,600 | Snediker, James F., assignor to National Sewing Machine Company (limited), Philadelphia, Pa. Mechanical movement | Jan. 21, 1879 | 613 | 173 | 15 | 81 |
| 222,089 | Same.....Button-hole attachment for sewing-machines | Nov. 25, 1879 | 1113 | 313 | 16 | 991 |
| 219,370 | Sneider, Robert, Brooklyn, N. Y. Scrap-book | Sept. 9, 1879 | 371 | 104 | 16 | 467 |
| 213,256 | Snell, Adolphus G., New Haven, Conn. Clasp or fastening for carriage-boots | Mar. 11, 1879 | 571 | 159 | 15 | 378 |
| 212,408 | Snell, Jasper, assignor of one-half interest to J. Teter and F. E. Deisher, Pottsville, Pa. Hydrant | Feb. 18, 1879 | 679 | 189 | 15 | 219 |
| | Snell, Munroe. (*See* Egerton & Snell.) | | | | | |
| | Snell, Theodore. (*See* Egerton & Snell.) | | | | | |
| 218,405 | Snelus, George J., Workington, Cumberland County, Great Britain, assignor to E. Cooper and A. S. Hewitt, New York, N. Y. Lining of cupola, reverberatory, Bessemer, and other furnaces used in the manufacture of iron and steel | Aug. 12, 1879 | 340 | ..... | 16 | 277 |

*Alphabetical list of patentees for the year* 1879—Continued

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Drg. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 219,775 | Sniffin, Benjamin, Sing Sing, N. Y. Rowlock | Sept. 16, 1879 | 818 | 226 | 16 | 535 |
| 222,322 | Snitjer, Drikus, Saint Louis, Mo. Sewing-machine table | Dec. 2, 1879 | 230 | 61 | 16 | 1040 |
| 222,643 | Snitjer, Drikus, Saint Louis, Mo., assignor of one-half interest to Singer Manufacturing Company. Ruffling attachment for sewing-machines | Dec. 16, 1879 | 630 | 180 | 16 | 1114 |
| 222,746 | Snook, Fred M., Waverly, N. Y. Portable fence | Dec. 16, 1879 | 734 | 211 | 16 | 1130 |
| 213,356 | Snow, George B., assignor to Buffalo Dental Manufacturing Company, Buffalo, N. Y. Dental saliva-ejector | Mar. 18, 1879 | 693 | 194 | 15 | 403 |
| 222,427 | Snow, Henry H., New Haven, Conn. Preparation of coffee | Dec. 9, 1879 | 354 | ..... | 16 | 1067 |
| | Snow, Samuel, *et al.* (*See* Longfellow, Stephen, assignor.) | | | | | |
| | Same.....(*See* McCarty, William, assignor.) | | | | | |
| 214,059 | Snow, William W., Ramapo, N. Y. Car-truck | Apr. 8, 1879 | 382 | 107, 108 | 15 | 529 |
| 214,060 | Same .....Car-truck frame | Apr. 8, 1879 | 383 | 108 | 15 | 529 |
| 215,302 | Snowden, Henry, Baltimore, Md. Brake for hand-operated elevators | May 13, 1879 | 397 | 117 | 15 | 755 |
| 215,985 | Same.....Hydraulic elevator | May 27, 1879 | 1152 | 335 | 15 | 872 |
| 216,465 | Same.....same | June 10, 1879 | 523 | 149 | 15 | 959 |
| 217,825 | Same.....Elevator | July 22, 1879 | 1021 | 293 | 16 | 165 |
| | Snydacker, Louis, *et al.* (*See* Brown, Thomas T., assignor.) | | | | | |
| | Snyder, C. (*See* Kacy, William H., assignor.) | | | | | |
| | Snyder, Daniel B., *et al.* (*See* Reed, John J., assignor.) | | | | | |
| 212,062 | Snyder, George T., Natrona, Pa. Tubular boiler | Feb. 4, 1879 | 278 | 76 | 15 | 160 |
| | Snyder, Henry. (*See* Lawrence, Alvin, assignor).....(Reissue.) | | | | | |
| 214,530 | Snyder, Henry F., Williamsport, Pa. Swing-bridge | Apr. 22, 1879 | 971 | 273 | 15 | 620 |
| 212,328 | Snyder, John G., Brunswick (Raymertown Post-Office), N. Y. Spring-bolster for vehicles | Feb. 18, 1879 | 589 | 165 | 15 | 207 |
| 222,323 | Snyder, John H., Fruitport, Mich. Horse-collar | Dec. 2, 1879 | 230 | 61 | 16 | 1041 |
| | Snyder, John L. (*See* Snyder, William S. and J. L.) | | | | | |
| | Snyder, Peter A. (*See* Covert & Snyder.) | | | | | |
| | Snyder, Plymouth W. (*See* White & Snyder.) | | | | | |
| 214,850 | Snyder, William S. and J. L., Aurora, Ind. Middlings-purifier | Apr. 29, 1879 | 1337 | 372 | 15 | 675 |
| | Societé Generale des Moteurs a Air Comprimé. (*See* Mékarski, Louis, assignor).....(Reissue.) | | | | | |
| 214,531 | Soellinger, Moritz, Keokuk, Iowa. Faucet | Apr. 22, 1879 | 972 | 273 | 15 | 620 |
| | Solmans, Alden. (*See* Partrick, Hawley, assignor.) | | | | | |
| 212,063 | Solmans, Alden, South Norwalk, Conn. Apparatus for pressing hats | Feb. 4, 1879 | 279 | 76 | 15 | 160 |
| 216,488 | Same.....Stiffening hats | June 10, 1879 | 544 | ..... | 15 | 961 |
| 213,074 | Somers, Daniel M., Brooklyn, N. Y. Sheet-metal box | Mar. 11, 1879 | 365 | 103 | 15 | 352 |
| 214,851 | Same.....same | Apr. 29, 1879 | 1338 | 372 | 15 | 675 |
| 218,076 | Same.....same | July 29, 1879 | 1306 | *374 | 16 | 209 |
| 211,482 | Somers, William A., Saint Paul, Minn. Fountain-pen | Jan. 21, 1879 | 477 | 134 | 15 | 64 |
| 220,677 | Somerset, Henry F. R. F., Badminton, Gloucester County, England. Stirrup-loop | Oct. 14, 1879 | 536 | 142 | 16 | 715 |
| | Somes, Arthur H. (*See* Crossman & Somes.) | | | | | |
| | Sommer, Joseph. (*See* Ansorge & Sommer.) | | | | | |
| 218,587 | Sonn, Anson L., Toledo, Ohio. Brush | Aug. 12, 1879 | 553 | 155 | 16 | 306 |
| | Sonntag, Herman, *et al.* (*See* McManus, Robert, assignor.) | | | | | |
| | Sonntag, Willy, *et al.* (*See* McManus, Robert, assignor.) | | | | | |
| 215,406 | Sorg, Andrew, Kalamazoo, Mich. Shoe-fastener | May 13, 1879 | 493 | 146 | 15 | 769 |
| 222,090 | Sorg, Paul J., Middletown, Ohio. Manufacture of plug-tobacco | Nov. 25, 1879 | 1114 | 314 | 16 | 992 |
| | Soule, Oscar F. (*See* Merrill, G. Lewis, assignor) .....(Reissue.) | | | | | |
| | Same.....(*See* Merrill, George L., assignor.) | | | | | |
| 216,234 | Soule, Welling C., Savannah, N. Y. Water-skate | June 3, 1879 | 234 | 69 | 15 | 914 |
| | South Bend Iron Works. (*See* Bowsher, Nelson P., assignor.) | | | | | |
| 222,958 | South, William, assignor to self and J. O. Smith, Hagerstown, Md. Horse hay-rake | Dec. 23, 1879 | 984 | 283 | 16 | 1176 |
| 212,757 | Southard, Alfred W., and V. R. Sears, Falls City, Nebr. Invalid-bed | Feb. 25, 1879 | 1094 | 303 | 15 | 283 |
| | Southern White Lead Company. (*See* Gregg, William H., assignor.) | | | | | |
| | Southmayd, George M. (*See* Smith, Edward C., assignor.) | | | | | |
| 213,949 | Southmayd, John A., Elizabeth, N. J., assignor to W. S. Archer, Yonkers, N. Y. Animal-fiber | Apr. 1, 1879 | 227 | 67 | 15 | 502 |
| 213,950 | Same.....Machine for separating fibers | Apr. 1, 1879 | 228 | 67 | 15 | 502 |
| 8,567 | Southwick, Alfred P., Buffalo, N. Y., assignor, by mesne assignments, to E. Stern, New York, N. Y. Manufacture of illuminating-gas .....(Reissue) | Feb. 4, 1879 | 299 | 82 | 15 | 163 |
| 213,463 | Southwick, Jacob, Brant Center, N. Y. Device for receiving and delivering mail-bags | Mar. 18, 1879 | 791 | 223 | 15 | 416 |
| | Sowle, Alfred. (*See* Baker & Sowle.) | | | | | |
| | Spaeth, Edward. (*See* Day, Charles T., assignor).....(Reissue.) | | | | | |
| 216,489 | Spain, Lanson, North Lewisburg, Ohio. Nut-lock | June 10, 1879 | 545 | 156 | 15 | 961 |
| 220,678 | Same.....Car-coupling | Oct. 14, 1879 | 537 | 142 | 16 | 715 |
| 212,998 | Spalckhaver, William, Brooklyn, assignor to R. Hoe & Co., New York, N. Y. Paper-folding machine | Mar. 4, 1879 | 264 | 73, 74 | 15 | 331 |
| 215,986 | Spalding, Loren, and L. Wiede, Williamsville, N. Y.; said Spalding assignor to said Wiede. Vehicle-spring | May 27, 1879 | 1153 | 335 | 15 | 873 |
| 218,789 | Spalding, Rufus H., Boston, Mass. Bug-destroyer | Aug. 19, 1879 | 787 | 224 | 16 | 347 |
| | Spamer, George P. (*See* Ross, William, assignor.) | | | | | |
| 221,625 | Spang, Henry W., Reading, Pa. Railway-signaling | Nov. 11, 1879 | 559 | 155 | 16 | 899 |
| 211,641 | Sparks, Abner, Camden, N. J Maturing and coloring leaf-tobacco | Jan. 28, 1879 | 680 | ..... | 15 | 93 |
| 219,658 | Sparks, Charles M., Earle's, Ky. Churn | Sept. 16, 1879 | 694 | 192 | 16 | 518 |
| 8,644 | Sparks, William E., New Britain, Conn., assignor to P. and F. Corbin. Closet-latch .....(Reissue) | Apr. 1, 1879 | 249 | 72 | 15 | 504 |
| 8,645 | Same .....Closet-latch .....(Reissue) | Apr, 1, 1879 | 249 | 73 | 15 | 504 |
| 223,073 | Sparks, William E., assignor to P. and F. Corbin, New Britain, Conn. Bell-striking mechanism | Dec. 30, 1879 | 1124 | 319 | 16 | 1205 |
| 223,074 | Same.....Striking mechanism for door-bells | Dec. 30, 1879 | 1125 | 319 | 16 | 1205 |
| | Sparr, Augustus, *et al.* (*See* Lundberg, Charles O., assignor.) | | | | | |
| | Sparrell, R. Edwin. (*See* Marshall & Sparrell.) | | | | | |
| | Spaulding, Albert H. (*See* Keith, Squire, assignor.) | | | | | |
| 213,787 | Spaulding, Doliver S., Mansfield, Mass. Shirt stud or button | Apr. 1, 1879 | 61 | 20 | 15 | 481 |
| 219,371 | Same .....same | Sept. 9, 1879 | 371 | 104 | 16 | 467 |
| 8,703 | Spaulding, George H., Rockford, Ill., assignor to R. H. Jones. Harvester...(Reissue) | May 6, 1879 | 262 | 77 | 15 | 736 |
| 8,711 | Same .....same.....(Reissue) | May 13, 1879 | 520 | 154 | 15 | 773 |
| | Spaulding, Nathan W. (*See* Hunt, Robert H. H., assignor.) | | | | | |
| 211,192 | Spaulding, William H. H., Peru, Ind. Fire-back | Jan. 7, 1879 | 126 | 39 | 15 | 17 |
| 214,726 | Spear, Jacob W., London, England. Pen and pencil case | Apr. 22, 1879 | 1178 | 331 | 15 | 647 |
| 213,464 | Spear, Lewis A., assignor of one-fourth interest to J. Algoe, Flint, Mich. Car-coupling | Mar. 18, 1879 | 792 | 223 | 15 | 416 |
| 213,465 | Speed, Charles H., Galesburg, Ill. Heating-stove | Mar. 18, 1879 | 793 | 223, 224 | 15 | 416 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 211,941 | Speed, James B., Louisville, Ky. Pavement | Feb. 4, 1879 | 136 | 39 | 15 | 143 |
| 211,942 | Same ..... same | Feb. 4, 1879 | 136 | 39 | 15 | 143 |
| 216,235 | Speer, James R., Pittsburg, Pa. Sheep-protector | June 3, 1879 | 234 | 70 | 15 | 914 |
| 222,368 | Same ..... same | Dec. 9, 1879 | 287 | 80 | 16 | 1058 |
| | Speer & Sons, Alexander. (*See* Wansbrough & Speer, assignors) ..... (Reissue.) | | | | | |
| | Speer, William W. (*See* Wansbrough & Speer) ..... (Reissue.) | | | | | |
| 219,029 | Speer, William W., Pittsburg, Pa. Plow | Aug. 26, 1879 | 1082 | 304 | 16 | 396 |
| 219,317 | Same ..... same | Sept. 3, 1879 | 298 | 84 | 16 | 449 |
| 212,632 | Spees, David F., assignor to E. P. Miller and D. H. Parmelee, Indianapolis, Ind. Grain-car door | Feb. 25, 1879 | 966 | 267 | 15 | 265 |
| 215,252 | Spees, David F., Indianapolis, Ind. Inside grain-car door | May 13, 1879 | 324 | 96 | 15 | 746 |
| | Speirs, Alexander, *et al.* (*See* Watson, James, assignor.) | | | | | |
| | Speirs, Robert G. (*See* Cross & Speirs.) | | | | | |
| | Speller, Walter P. (*See* Reilly & Speller.) | | | | | |
| 223,016 | Spence, John A., assignor of one-half interest to S. and O. Wiener, Newark, N. J. Scouring-brush wheel | Dec. 30, 1879 | 1059 | 303 | 16 | 1197 |
| | Spence, Joseph H. (*See* Martin, Henry T., assignor.) | | | | | |
| 220,883 | Spence, Thomas R., Cincinnati, Ohio. Machine for dressing and finishing fine-cut tobacco | Oct. 21, 1879 | 781 | 208 | 16 | 755 |
| 214,465 | Spencer, Allen, Columbus, Ohio. Air-compressor | Apr. 15, 1879 | 868 | 244 | 15 | 601 |
| 8,977 | Spencer, Allen D., assignor, by mesne assignments, of part interest to W. Stewart, Baltimore, and C. H. Colburn, Snow Hill, Md. Packing device for packing-boxes, &c ..... (Reissue) | Nov. 25, 1879 | 1149 | 324 | 16 | 996 |
| | Spencer, Archelaus E. (*See* Tidball & Spencer.) | | | | | |
| 213,951 | Spencer, Charles F., assignor to H. C. Jones and E. J. Sugru, Rochester, N. Y. Lamp | Apr. 1, 1879 | 230 | 67 | 15 | 502 |
| 218,406 | Spencer, Charles F., assignor, by mesne assignments, to H. E. Shaffer, Rochester, N. Y. Lamp | Aug. 12, 1879 | 341 | 94 | 16 | 277 |
| 220,884 | Spencer, Charles F., assignor to H. E. Shaffer, Rochester, N. Y. Lamp | Oct. 21, 1879 | 782 | 208, 209 | 16 | 755 |
| 222,801 | Spencer, Charles F., assignor of one-half interest to J. Hyde, Rochester, N. Y. Bottle-stoppering device | Dec. 23, 1879 | 804 | 231 | 16 | 1150 |
| 222,162 | Spencer, Christopher M., Hartford, Conn. Cartridge-capping implement | Dec. 2, 1879 | 51 | 13 | 16 | 1016 |
| 218,691 | Spencer, Cooper, Providence, R. I. Snatch-block | Aug. 19, 1879 | 682 | 194 | 16 | 332 |
| | Spencer, Darwin, *et al.* (*See* Hall, Walton, assignor.) | | | | | |
| | Spencer, Edward E. (*See* Massey & Spencer.) | | | | | |
| | Spencer, James E. (*See* Spencer, John S., assignor.) | | | | | |
| | Spencer, James I. (*See* Ladd, Raymond & Spencer.) | | | | | |
| 212,064 | Spencer, James I., New York, N. Y., assignor of one-half interest to H. W. Ladd, Chelsea, Mass. Sheet-metal can | Feb. 4, 1879 | 280 | 76 | 15 | 160 |
| 219,776 | Spencer, Jervis, Baltimore County, Md. Supplemental horseshoe | Sept. 16, 1879 | 818 | 226 | 16 | 535 |
| 217,420 | Spencer, John S., New York, N. Y. Spectacle-bow hinge | July 8, 1879 | 547 | 157 | 16 | 81 |
| 220,502 | Spencer, John S., New York, assignor of one-half interest to J. E. Spencer, Brooklyn, N. Y. Frame for optical instruments made of celluloid and other fibrous plastic compositions | Oct. 14, 1879 | 334 | 89 | 16 | 689 |
| 212,999 | Spencer, Jonathan R., Avilla, Mo. Animal-trap | Mar. 4, 1879 | 267 | 74 | 15 | 330 |
| | Spencer, Luke G. (*See* Fairbanks & Spencer.) | | | | | |
| 222,541 | Spencer, Richardson W., New Lexington Post-Office, Ala. Cotton-cultivator | Dec. 9, 1879 | 487 | 137 | 16 | 1084 |
| 216,064 | Spencer, Samuel S., Oil City, Pa. Regulating the flow of oil-wells | June 3, 1879 | 63 | 17 | 15 | 893 |
| | Spencer, William E. (*See* Wakeley, Charles T., assignor.) | | | | | |
| 213,000 | Sperry, Alfred W., assignor of one-half interest to S. N. Edmonds, Wallingford, Conn. Ticket-case | Mar. 4, 1879 | 268 | 74 | 15 | 331 |
| 218,588 | Sperry, Bennett, Falls City, Nebr. Truck for moving houses | Aug. 12, 1879 | 554 | 156 | 16 | 306 |
| | Sperry, Elizabeth A. (*See* Sperry, James A., assignor.) | | | | | |
| 220,440 | Sperry, James A., assignor to E. A. Sperry, Brooklyn, N. Y. Stair-pad, carpet-lining, &c | Oct. 7, 1879 | 253 | 67 | 16 | 670 |
| 8,722 | Sperry, Timothy S., Brooklyn, N. Y. Pillow, bolster, mattress, &c ..... (Reissue) | May 20, 1879 | 852 | 249, 250 | 15 | 826 |
| 217,299 | Same ..... Pillow, bolster, and mattress | July 8, 1879 | 419 | 123 | 16 | 65 |
| | Spiegel, William. (*See* McIlvain & Spiegel.) | | | | | |
| 217,421 | Spiegel, William, Newport, Ky., assignor to McIlvain & Spiegel, Cincinnati, Ohio. Upright steam-boiler | July 8, 1879 | 547 | 157 | 16 | 81 |
| 220,885 | Spies, Edward, Washington, D. C. Pantaloons and other garments | Oct. 21, 1879 | 783 | 209 | 16 | 755 |
| 212,409 | Spilker, John J., Cincinnati, Ohio. Miter-machine | Feb. 18, 1879 | 680 | 190 | 15 | 220 |
| 214,466 | Spill, Daniel, Homerton, England. Car-propeller | Apr. 15, 1879 | 869 | 245 | 15 | 601 |
| 219,777 | Spindler, Henry, East Saginaw, Mich. Tube-clamp | Sept. 16, 1879 | 819 | 227 | 16 | 535 |
| | Spinner, Alexander. (*See* Goll & Spinner.) | | | | | |
| 221,369 | Spitzli, Alfred, and T. J. Lacy, West Troy, N. Y.; said Spitzli assignor to said Lacy. Tenter-clothing | Nov. 4, 1879 | 258 | 70 | 16 | 848 |
| 215,987 | Spofford, Nelson, Haverhill, Mass. Faucet-joint | May 27, 1879 | 1154 | 335 | 15 | 873 |
| | Spohr, John. (*See* Schwarz & Spohr.) | | | | | |
| 221,874 | Sponsler, Calvin B., Pittsburg, Pa. Bottle-stopper | Nov. 18, 1879 | 856 | 239 | 16 | 947 |
| 217,648 | Sprague, Austin V. M., assignor to Hydro-Carbon Heating Company, Rochester, N. Y. Heating and cooking apparatus | July 15, 1879 | 811 | 232 | 16 | 128 |
| 221,196 | Sprague, Henry D., assignor to self and J. C. Sheridan, Providence, R. I. Railway-switch | Nov. 4, 1879 | 63 | 17 | 16 | 820 |
| 213,140 | Sprague, Henry S., Detroit, Mich. Shipping-case | Mar. 11, 1879 | 448 | 124 | 15 | 362 |
| 216,466 | Sprague, James L., Minneapolis, Minn. Churn | June 10, 1879 | 524 | 150 | 15 | 959 |
| | Sprague, Solon S. (*See* Prouty & Sprague.) | | | | | |
| | Sprague, Solon S., *et al.* (*See* Burns, William H., assignor) ..... (Reissue.) | | | | | |
| 219,601 | Sprague, Watson N., assignor to Potter, Sprague & Watson, Boston, Mass. Machine for cutting leather-board for heel-stiffeners | Sept. 16, 1879 | 621 | 173 | 16 | 508 |
| | Spratt, Henry W. (*See* Brown, James O., assignor.) | | | | | |
| 217,826 | Spreyer, Jacob, sr., South Bend, Ind. Fifth-wheel for vehicles | July 22, 1879 | 1022 | 293 | 16 | 165 |
| | Spring, Amasa. (*See* Thompson, Rhinelander C., assignor.) | | | | | |
| 213,257 | Spring, Charles, Hyde Park, Mass. Spoke-shave | Mar. 11, 1879 | 571 | 159 | 15 | 378 |
| | Spring, Robert Y., *et al.* (*See* Knapp, John A., assignor.) | | | | | |
| 215,708 | Spring, Solomon C., Bristol, assignor to Welch, Spring & Co., Forestville, Conn. Clock-case | May 20, 1879 | 845 | 247 | 15 | 825 |
| | Springer, Frederick J. (*See* Gillespie & Springer.) | | | | | |
| 211,601 | Springer, Henry, Vicksburg, Mich. Seed-drill teeth | Jan. 21, 1879 | 615 | 174 | 15 | 81 |
| | Springer, Henry J. (*See* Gillespie & Springer.) | | | | | |
| 222,606 | Springer, Isaac, Indianapolis, Ind. Saw-mill dog | Dec. 16, 1879 | 580 | 165 | 16 | 1107 |
| 219,318 | Springer, Theodore G., New York, N. Y. Gas apparatus | Sept. 2, 1879 | 300 | 84, 85 | 16 | 450 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214, 264 | Springer, William A., Marlborough, Mass. Manufacture of lined-tongued shoes | Apr. 15, 1879 | 640 | 180 | 15 | 571 |
| | Springfield Glazed Paper Company. (*See* Marsh, John F., assignor) (Reissue.) | | | | | |
| 218, 589 | Sprint, John W., Millwood, Va. Commode | Aug. 12, 1879 | 555 | 156 | 16 | 306 |
| 212, 758 | Sprod, Charles, Philadelphia, Pa. Indicator for water-supply pipes of steam-boilers | Feb. 25, 1879 | 1094 | 303 | 15 | 283 |
| | Sproul, George. (*See* Davis, Samuel B., assignor.) | | | | | |
| 220, 441 | Sproull, Isaac D., New York, N. Y., and L. R. Faught, Philadelphia, Pa.; said Faught assignor to Harrison Patent Car Axle Company. Car-axle | Oct. 7, 1879 | 253 | 68 | 16 | 670 |
| 219, 319 | Sprout, A. Rensselaer, Picture Rocks, Pa. Farm-fence | Sept. 2, 1879 | 302 | 85 | 16 | 450 |
| 211, 431 | Sprower, Frederick, Brooklyn, N. Y. Brush | Jan. 14, 1879 | 419 | 119 | 15 | 54 |
| 215, 253 | Spruce, James, assignor to Scovill Manufacturing Company, Waterbury, Conn. Spring-hinge | May 13, 1879 | 326 | 96 | 15 | 747 |
| 214, 963 | Spruill, Jeptha, Oswego, Kans. Vapor-bath | Apr. 29, 1879 | 1447 | 403 | 15 | 690 |
| 220, 313 | Spuck, John, Saint Louis, Mo. Snap-hook | Oct. 7, 1879 | 119 | 32 | 16 | 651 |
| 215, 176 | Squier, Daniel, Battle Creek, Mich. Clothes-pounder | May 6, 1879 | 220 | 64 | 15 | 730 |
| | Squire, Feargus B. (*See* Christopher & Squire.) | | | | | |
| 216, 706 | Sriver, Arthur C. and R. W., New Baltimore, Ohio. Harvester reel and dropper | June 17, 1879 | 787 | 225, 226 | 15 | 1003 |
| | Sriver, Reuben W. (*See* Sriver, Arthur C. and R. W.) | | | | | |
| 220, 314 | Stackpole, Greenleaf, Elizabeth, N. J., and J. H. Applegate, Revere, Mass. Sewing and embroidering machine | Oct. 7, 1879 | 120 | 32, 33 | 16 | 651 |
| 217, 165 | Stacy, James N., Monticello, Minn. Grain-testing device | July 1, 1879 | 265 | 78 | 16 | 37 |
| 217, 166 | Same same | July 1, 1879 | 265 | 78 | 16 | 37 |
| 219, 778 | Stacy, William, Cottage, Iowa. Ditcher | Sept. 16, 1879 | 819 | 227 | 16 | 535 |
| 219, 659 | Staehlen, William, Brooklyn, assignor to B. B. Schneider, New York, N. Y. Lamp | Sept. 16, 1879 | 695 | 193 | 16 | 518 |
| 219, 660 | Staehlen, William assignor to B. B. Schneider, New York, N. Y. Lamp | Sept. 16, 1879 | 696 | 193 | 16 | 518 |
| 217, 422 | Stafford, Asa J., Brushton, N. Y. Transposing key-board | July 8, 1879 | 549 | 157 | 16 | 81 |
| 214, 794 | Stafford, James, Manayunk, Philadelphia, Pa. Lapping-machine | Apr. 29, 1879 | 1271 | 355, 356 | 15 | 666 |
| 223, 075 | Stafford, Marshall B., New York, N. Y. Automatic air-tight reservoir | Dec. 30, 1879 | 1127 | 319 | 16 | 1205 |
| 221, 748 | Stafford, William H., Woonsocket, R. I. Putting up braid, &c | Nov. 18, 1879 | 703 | 197 | 16 | 927 |
| | Stahl, Albert T. (*See* Richardson, Samuel M., assignor.) | | | | | |
| 212, 279 | Stahle, Jacob A., Crestline, Ohio. Shoe-brush | Feb. 11, 1879 | 523 | 146 | 15 | 195 |
| | Stake, Job. (*See* Brook & Stake.) | | | | | |
| 212, 759 | Staley, George, Parnassus, Pa. Griddle | Feb. 25, 1879 | 1096 | 304 | 15 | 283 |
| 217, 827 | Stalmann, Eduard, Buckau, Magdeburg, Germany. Counting-register | July 22, 1879 | 1023 | 293 | 16 | 165 |
| 216, 581 | Stambaugh, David F., Newton, Ill. Washing-machine | June 17, 1879 | 658 | 187 | 15 | 985 |
| 212, 280 | Stamour, John B., assignor of one-half interest to T. Cunningham, L. Brown, H. B. Lincoln, F. P. Pendleton, G. Brown, and H. E. Cunningham, Philadelphia, Pa. Loom-temple | Feb. 11, 1879 | 523 | 146 | 15 | 195 |
| 215, 545 | Stamour, John B., and E. V. Machette, jr., Philadelphia, Pa.; said Stamour assignor to said Machette. Sad-iron | May 20, 1879 | 666 | 194 | 15 | 801 |
| 217, 167 | Stamour, John B., assignor of one-half interest to T. Cunningham, L. Brown, H. B. Lincoln, G. Brown, F. P. Pendleton, and H. E. Cunningham, Philadelphia, Pa. Bracket for loom-temples | July 1, 1879 | 266 | 78 | 16 | 37 |
| 216, 707 | Stamp, John H., assignor of one-half interest to A. W. Paull, Wheeling, W. Va. Fruit-jar | June 17, 1879 | 790 | 226 | 15 | 1004 |
| 215, 074 | Stanchfield, Charles S., assignor of one-half interest to J. W. Preston, Oakland, Cal. Stamp-mill | May 6, 1879 | 100 | 30 | 15 | 715 |
| | Standard Cereals Company. (*See* Chichester, Lewis S., assignor) (Reissue.) | | | | | |
| | Standard Measuring Machine Company. (*See* Williams, Moore & Hurlbut, assignors.) | | | | | |
| 8, 715 | Standish, Hiram, Joy, Ill. Seed-separator (Reissue) | May 13, 1879 | 525 | 155 | 15 | 773 |
| 218, 590 | Stanhope, Charles R., Ashtabula, Ohio. Harness | Aug. 12, 1879 | 556 | 156 | 16 | 306 |
| 216, 905 | Stanley, H. Dwight, Bridgeport, Conn. Holder for lamp-shades | June 24, 1879 | 1031 | 293 | 15 | 1044 |
| | Stanley, James. (*See* Webb & Stanley.) | | | | | |
| 213, 258 | Stanley, James, Newark, N. J. Bit for horses | Mar. 11, 1879 | 572 | 159 | 15 | 378 |
| | Stanley Rule and Level Company. (*See* Sargent, Samuel D., assignor.) | | | | | |
| | Same (*See* Traut, Justus A., assignor.) | | | | | |
| | Stanley Works. (*See* Hart, William H., assignor.) | | | | | |
| 222, 607 | Stannard, Monroe, J. R. Reynolds, and J. S. Curtis, Hartford, Conn, Water-meter | Dec. 16, 1879 | 581 | 166 | 16 | 1107 |
| | Stansbury, James E. (*See* Robbins, Henry R., assignor.) | | | | | |
| 213, 001 | Stanton, John W., New York, N. Y. Cabinet-bedstead | Mar. 4, 1879 | 269 | 74, 75 | 15 | 331 |
| | Stanton, Stephen K., *et al.* (*See* Jenkins, Nicholas, assignor.) | | | | | |
| 216, 236 | Stanwood, Jeremiah D., East Killingly, Conn. Momentum-brake for spinning-mules | June 3, 1879 | 235 | 70 | 15 | 914 |
| | Staples, George. (*See* Wells, George, assignor.) | | | | | |
| 222, 324 | Stapleton, James, Todd Post-Office, Pa. Snap-hook | Dec. 2, 1879 | 231 | 62 | 16 | 1041 |
| | Stapp, G. W. (*See* Guy, James V., assignor.) | | | | | |
| 220, 186 | Stark, Andrew, Topeka, Kans. Grain-binder | Sept. 30, 1879 | 1309 | 362 | 16 | 620 |
| 222, 091 | Stark, Franklin S., Fostoria, Ohio. Shoe | Nov. 25, 1879 | 1116 | 314 | 16 | 992 |
| 212, 005 | Stark, Otto, New York, N. Y. Accordeon | Feb. 4, 1879 | 281 | 76 | 15 | 160 |
| 221, 626 | Stark, William A., Bethany, Ill. Gleaner and hay-rake | Nov. 11, 1879 | 561 | 155 | 16 | 899 |
| | Stark, William F. (*See* Van Housen, Casper, assignor.) | | | | | |
| 223, 182 | Starkey, Chauncey H., assignor to self and T. G. Horn, Colorado Springs, Colo. Tire-fastening for vehicle-wheels | Dec. 30, 1879 | 1242 | 352 | 16 | 1222 |
| 217, 245 | Starkey, William, assignor to J. G. Logan and B. F. Boyd, Pittsburg, Pa. Indicator for steam-boilers | July 8, 1879 | 364 | 107, 108 | 16 | 59 |
| 212, 761 | Starks, Nils O., Deerfield, assignor of one-third interest to J. A. Johnson, Madison, Wis. Corn-planter | Feb. 25, 1879 | 1097 | 304 | 15 | 283 |
| 222, 208 | Starnes, John W., Macomb, Ill. Quilting attachment for sewing-machines | Dec. 2, 1879 | 106 | 26 | 16 | 1023 |
| | Starr, Edward M. (*See* Meyer & Starr.) | | | | | |
| 8, 704 | Starr, Eli T., assignor to S. S. White, Philadelphia, Pa. Dental engine (Reissue) | May 6, 1879 | 263 | 77 | 15 | 736 |
| 8, 723 | Same Adjustable bracket (Reissue) | May 20, 1879 | 853 | 250 | 15 | 826 |
| 215, 075 | Same Dentist's chair | May 6, 1879 | 101 | 30, 31 | 15 | 715 |
| 217, 300 | Same Dental polishing and cutting tape | July 8, 1879 | 419 | 124 | 16 | 66 |
| 219, 320 | Same Dental engine | Sept. 2, 1879 | 303 | 85, 86 | 16 | 450 |
| 222, 092 | Same Dentist's chair | Nov. 25, 1879 | 1116 | 314, 315, 316 | 16 | 992 |
| 222, 093 | Same Dental engine | Nov. 25, 1879 | 1122 | 316, 317 | 16 | 993 |
| 211, 193 | Starratt, Burpee R., assignor to self, G. H. Campbell, and W. W. McLellan, Truro, Nova Scotia, Canada. Adjustable railway-frog | Jan. 7, 1879 | 127 | 39 | 15 | 18 |
| 212, 760 | Starrett, Laroy S., Athol, Mass. Wrench | Feb. 25, 1879 | 1096 | 304 | 15 | 283 |
| 215, 024 | Same Try-square | May 6, 1879 | 45 | 14 | 15 | 708 |
| 219, 030 | St. Aubin, Charles A. A. T. de, Saint Louis, Mo. Hitch-strap | Aug. 26, 1879 | 1083 | 305 | 16 | 396 |
| 219, 031 | Same Snap-hook | Aug. 26, 1879 | 1084 | 305 | 16 | 396 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | St. Biernatzki, F. A. (*See* Günther, Hugo, assignor.) | | | | | |
| 222,095 | St. Charles, William, assignor of one-third interest to S. F. Crawford, Wheeling, W. Va. Weather-strip | Nov. 25, 1879 | 1127 | 317 | 16 | 993 |
| 219,322 | Stearns, Albert, Brooklyn, N. Y. Machine for filling and weighing packages | Sept. 2, 1879 | 306 | 86 | 16 | 451 |
| 215,177 | Stearns, Albert T., Boston, Mass. Conductor | May 6, 1879 | 220 | 65 | 15 | 730 |
| 222,542 | Stearns, Charles E., Boston, Mass. Folding dish-drainer | Dec. 9, 1879 | 488 | 138 | 16 | 1084 |
| 214,061 | Stearns, Charles W., Newport, R. I. Flower-pot holder or stand | Apr. 8, 1879 | 384 | 108 | 15 | 530 |
| 221,875 | Stearns, Charles W., Providence, R. I. Bracket | Nov. 18, 1879 | 857 | 240 | 16 | 947 |
| 211,602 | Stearns, De Witt, Davenport, Iowa. Towing canal-boats | Jan. 21, 1879 | 616 | 174 | 15 | 82 |
| 220,442 | Stearns, Edward C., Syracuse, N. Y. Spoke-pointer | Oct. 7, 1879 | 255 | 68 | 16 | 670 |
| 213,002 | Stearns, Edward H., Erie, Pa. Saw-mill dog | Mar. 4, 1879 | 270 | 75, 76 | 15 | 331 |
| 215,254 | Stearns, Edward H., Erie, Pa. Feed and gig mechanism for saw-mills | May 13, 1879 | 327 | 96 | 15 | 747 |
| 215,255 | Same.....Saw-guide | May 13, 1879 | 328 | 96, 97 | 15 | 747 |
| 219,182 | Stearns, Henry A., Lincoln, R. I. Carpet-lining | Sept. 2, 1879 | 136 | 41 | 16 | 430 |
| | Stebbins, Henry O., *et al.* (*See* Leyburn, Edward J., assignor.) | | | | | |
| 221,114 | Stebbins, James H., jr., New York, N. Y. Colors from diazo-benzole nitrate and pyrogallol | Oct. 28, 1879 | 1062 | ..... | 16 | 801 |
| 221,115 | Same..... Colors from picric acid | Oct. 28, 1879 | 1063 | ..... | 16 | 801 |
| 221,116 | Same.....Coloring-matter obtained from diamido-naphthaline and diazo-naphthaline nitrate | Oct. 28, 1879 | 1063 | ..... | 16 | 801 |
| 221,117 | Same.....Coloring-matter obtained from cresol | Oct. 28, 1879 | 1064 | ..... | 16 | 801 |
| 221,118 | Same.....Coloring-matter obtained from salicylic acid | Oct. 28, 1879 | 1064 | ..... | 16 | 801 |
| 221,119 | Same.....Coloring-matter obtained from naphthylamine and diazo-benzole nitrate | Oct. 28, 1879 | 1065 | ..... | 16 | 801 |
| 221,120 | Same.....Coloring-matter derived from toluol | Oct. 28, 1879 | 1065 | ..... | 16 | 801 |
| 212,066 | Steber, Joseph C., San Francisco, Cal. Ratchet-drill | Feb. 4, 1879 | 282 | 77 | 15 | 161 |
| 213,847 | Stechhan, Otto, Indianapolis, Ind. Folding lounge | Apr. 1, 1879 | 127 | 38 | 15 | 489 |
| 211,115 | Steck, George, New York, N. Y. Piano-damper attachment | Jan. 7, 1879 | 43 | 14 | 15 | 6 |
| 221,121 | Stedman, Frederick, McBrides, Mich. Journal-box | Oct. 28, 1879 | 1066 | 282 | 16 | 801 |
| 213,075 | Stedman, George H., Cambridge, Mass. Twine-holder | Mar. 11, 1879 | 366 | 103 | 15 | 352 |
| 211,116 | Steel, Robert, assignor to H. B. Duffee and T. H. Stevens, Philadelphia, Pa. Velocipede | Jan. 7, 1879 | 44 | 14 | 15 | 6 |
| 215,988 | Steel, Robert, Philadelphia, Pa. Sled-propeller | May 27, 1879 | 1155 | 336 | 15 | 873 |
| 221,255 | Steel, Robert, assignor of one-half interest to G. Rebmann and H. Ruhland, Philadelphia, Pa. Velocipede | Nov. 4, 1879 | 127 | 34 | 16 | 830 |
| | Steele, Charles R., *et al.* (*See* Hoffman, Orville S., assignor.) | | | | | |
| | Same.....(*See* Wilson, Merrick F., assignor.) | | | | | |
| 213,703 | Steele, Elbridge J., New Britain, Conn. Shutter-hook | Mar. 25, 1879 | 1059 | 302 | 15 | 458 |
| 216,708 | Steele, Ferdinand, Brooklyn, N. Y. Grate-bar | June 17, 1879 | 790 | 226 | 15 | 1004 |
| | Steele, Sylvanus W. (*See* Milliron, Jacob, jr., assignor.) | | | | | |
| 222,209 | Steffe, Theodore J., and L. Knight, assignors of one-third interest to J. H. Weichel, Lancaster, Pa. Meat-mincing machine | Dec. 2, 1879 | 107 | 26 | 16 | 1023 |
| 219,994 | Stege, Edward R., Chicago, Ill. Boiler-furnace | Sept. 23, 1879 | 1073 | 297 | 16 | 579 |
| | Steger, Joseph E. (*See* Robertson & Steger.) | | | | | |
| 215,178 | Stegner, Frederick A., Cincinnati, Ohio. Beer-stamp protector and bung-retainer | May 6, 1879 | 221 | 65 | 15 | 730 |
| 221,122 | Steib, Martin, assignor to self and S. Biernatzki, Hamburg, Germany. Umbrella-tip cup | Oct. 28, 1879 | 1066 | 282 | 16 | 801 |
| | Stein, Henry. (*See* Wolff & Stein.) | | | | | |
| 212,870 | Stein, Henry J., Pittsburg, Pa. Mechanical medium | Mar. 4, 1879 | 103 | 30 | 15 | 311 |
| | Stein, John A., *et al.* (*See* Breckenridge, Joseph W., assignor.) | | | | | |
| | Stein, Michael J. (*See* Tremberger & Stein.) | | | | | |
| 216,227 | Steinberg, David, New York, N. Y. Paper-box corner-piece | June 3, 1879 | 236 | 70 | 15 | 915 |
| 218,077 | Steiner, Albert, Chicago, Ill. Bronzing-machine | July 29, 1879 | 1307 | 374 | 16 | 209 |
| 215,687 | Steiner, Jacob, Bluffton, Ohio. Windmill | May 20, 1879 | 824 | 241 | 15 | 822 |
| 221,370 | Same.....Wind-engine | Nov. 4, 1879 | 259 | 70 | 16 | 848 |
| 218,836 | Steinman, Jacob, and J. Scholl, sr., Grand Rapids, Mich. Self-closing hatchway | Aug. 26, 1879 | 872 | 245 | 16 | 367 |
| 220,187 | Steinsiek, Henry W., Jamestown, Mo. Millstone-dressing machine | Sept. 30, 1879 | 1313 | 363 | 16 | 620 |
| 9,012 | Steinway, Christian F. T., New York, N. Y., assignor, by mesne assignments, to self and W. Steinway. Piano-action frame .....(Reissue).. | Dec. 30, 1879 | 1289 | 363, 364 | 16 | 1229 |
| 9,013 | Same .....Piano-forte action .....(Reissue).. | Dec. 30, 1879 | 1291 | 364 | 16 | 1229 |
| 217,828 | Steinway, Christian F. T., New York, N. Y. Device for leveling the key-frames of piano-fortes | July 22, 1879 | 1024 | 294 | 16 | 165 |
| 219,323 | Same.....Device for adjusting piano-forte-action frames | Sept. 2, 1879 | 307 | 86 | 16 | 451 |
| | Steinway, William. (*See* Steinway, Christian F. T., assignor).....(Reissue.) | | | | | |
| 214,852 | Steller, Charles E., Milwaukee, Wis. Sash-fastener | Apr. 29, 1879 | 1340 | 372 | 15 | 675 |
| 215,025 | Stellmann, Louis H., West Brattleborough, Vt. Knife-grinding machine | May 6, 1879 | 46 | 14 | 15 | 703 |
| | Stellwagen, George H. (*See* Lewis, James H., assignor.) | | | | | |
| 212,329 | Stempel, Adolph, Chicago, Ill. Bridge-gate | Feb. 18, 1879 | 590 | 165 | 15 | 207 |
| 217,440 | Same.....Draw-bridge gate | July 8, 1879 | 569 | 164 | 16 | 84 |
| 211,531 | Stengel, Charles, Hamilton, assignor to J. A. Fay & Co., Cincinnati, Ohio. Dovetailing-machine | Jan. 21, 1879 | 531 | 150 | 15 | 71 |
| | Stenger, Samuel, *et al.* (*See* Lowmiller, Alpheus, assignor.) | | | | | |
| 215,076 | Stenhouse, Richard, New Orleans, La. Steam cotton-press | May 6, 1879 | 104 | 31 | 15 | 716 |
| 220,679 | Stephan, Thomas A., Cincinnati, Ohio. Beer and liquor protector | Oct. 14, 1879 | 538 | 142 | 16 | 715 |
| | Stephani, Alphonse, *et al.* (*See* Bolchini, Charles E., assignor.) | | | | | |
| 218,407 | Stephens, Columbus, Cave Spring, Ga. Cultivator | Aug 12, 1879 | 342 | 94 | 16 | 277 |
| 212,330 | Stephens, Edward W., Erie, Pa. Ore-concentrator | Feb. 18, 1879 | 591 | 165, 166 | 15 | 208 |
| 214,727 | Stephens, George W., Denison, Iowa. Canceling-stamp | Apr. 22, 1879 | 1179 | 331 | 15 | 647 |
| 216,467 | Stephens, James, Canisteo, N. Y. Extension-table | June 10, 1879 | 524 | 150 | 15 | 959 |
| 213,788 | Stephenson, James A. and J. J., Mormontown, Iowa. Corn dropper and marker | Apr. 1, 1879 | 62 | 20 | 15 | 480 |
| | Stephenson, John J. (*See* Stephenson, James A. and J. J.) | | | | | |
| | Stephenson, William. (*See* Gardner & Stephenson.) | | | | | |
| 212,633 | Stepp, Jacob, Somerville, Mass. Mold for rubber articles | Feb. 25, 1879 | 967 | 267 | 15 | 265 |
| 219,033 | Stepp, Jacob, Somerville, Mass., assignor to College Point Rubber Company (limited), College Point, N. Y. Mode of covering wooden and other articles with india-rubber | Aug. 26, 1879 | 1085 | ..... | 16 | 396 |
| 213,304 | Stepp, Silas H., Johnson City, Tenn. Saw-gummer | Mar. 18, 1879 | 638 | 179 | 15 | 395 |
| 212,115 | Sterling, Daniel G., assignor of one-half interest to T. G. Ballard, Lathrop, Mo. Corn planter and drill | Feb. 11, 1879 | 342 | 93 | 15 | 171 |
| | Sterling, Ezra J. (*See* Clarke, Sterling & Cranston.) | | | | | |
| | Sterling, Ezra J., *et al.* (*See* Clarke, George R., assignor.) | | | | | |
| | Same.....(*See* Clarke, George, assignor).....(Reissue.) | | | | | |
| | Sterling, Joseph A. (*See* Plumb, William H., assignor).....(Reissue.) | | | | | |
| | Stern, Edward. (*See* Du Motay, Cyprien M. T., assignor).....(Reissue.) | | | | | |
| | Same.....(*See* Du Motay & Jerzmanowski, assignors.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Stern, Edward. (*See* Du Motay & Stern.) | | | | | |
| | Same.....(*See* Jerzmanowski, Erazm J., assignor.) | | | | | |
| | Same.....(*See* Southwick, Alfred P., assignor).....(Reissue.) | | | | | |
| 212, 331 | Sternberg, David, San Francisco, Cal. Flavoring compound for tobacco | Feb. 18, 1879 | 593 | 166 | 15 | 208 |
| 8, 832 | Sternberg, William, Cicero, assignor to L. W. Tyler, Theresa, N. Y. Cheese-hoop. (Reissue) | Aug. 5, 1879 | 284 | 77 | 16 | 258 |
| | Sternberger, Leopold. (*See* Tees, Frederick G., assignor.) | | | | | |
| 213, 704 | Sternberger, Leopold, Philadelphia, Pa. Clutching and braking device for power-driven sewing-machines | Mar. 25, 1879 | 1060 | 302 | 15 | 458 |
| 221, 123 | Same.....Furnace-grate | Oct. 28, 1879 | 1067 | 282 | 16 | 801 |
| 218, 790 | Sterns, William H., Humboldt, Nebr. Churn | Aug. 19, 1879 | 788 | 224 | 16 | 347 |
| | Sterzing, Fred. (*See* Perry, Elton, assignor.) | | | | | |
| 219, 831 | Stetson, Hiram H., Revere, Mass. Rigging for fore-and-aft sails | Sept. 23, 1879 | 900 | 248 | 16 | 555 |
| 216, 981 | Stetson, Thomas D., New York, N. Y. Corking bottles | July 1, 1879 | 60 | 18 | 16 | 10 |
| 223, 076 | Stetson, Warren C., Minneapolis, Minn. Machine for grinding the bits of planing-machine cutter-heads, &c. | Dec. 30, 1879 | 1128 | 319, 320 | 16 | 1206 |
| | Stettauer, Louis. (*See* Wise, Morris, assignor.) | | | | | |
| | Stettinius, Joseph S. (*See* Rosenzi, Enrico, assignor.) | | | | | |
| 215, 407 | Stettler, Gottlieb, North Georgetown, Ohio. Cheese-turner | May 13, 1879 | 494 | 146 | 15 | 769 |
| | Stevens, Albert P., *et al.* (*See* Becker, William J., assignor.) | | | | | |
| 214, 479 | Stevens, Asher B., Philadelphia, Pa. Nursery-chair | Apr. 15, 1879 | 882 | 249 | 15 | 602 |
| 220, 258 | Stevens, Asher B., Philadelphia, Pa., assignor to Thompson, Perley & Waite, Baldwinsville, Mass. Child's chair | Oct. 7, 1879 | 54 | 14 | 16 | 642 |
| 221, 002 | Stevens, Benjamin C., assignor to Jackman & Flanders, Franklin, N. H. Machine for making the shanks of knitting-machine needles | Oct. 28, 1879 | 942 | 251, 252 | 16 | 785 |
| 221, 003 | Same..... Machine for making latches for knitting-machine needles | Oct. 28, 1879 | 944 | 252 | 16 | 785 |
| 215, 303 | Stevens, Benjamin D., Boston, Mass. Perforating-stamp | May 13, 1879 | 398 | 118 | 15 | 756 |
| 221, 124 | Stevens, Cassius L., Pittsburg, Pa. Invalid-chair | Oct. 28, 1879 | 1068 | 282 | 16 | 801 |
| 212, 822 | Stevens, Charles V., assignor of four-fifths interest to J. Clark and H. Wright, Somonauk, Ill. Wind-wheel | Mar. 4, 1879 | 47 | 15 | 15 | 303 |
| 221, 001 | Stevens, David E., Columbus, Ohio, assignor to H. W. Putnam, Bennington, Vt. Bottle-stopper | Oct. 28, 1879 | 941 | 251 | 16 | 785 |
| 8, 844 | Stevens, Edgar M., Boston, Mass., assignor, by mesne assignments, to J. H. Cheever. Wash-board.....(Reissue) | Aug. 12, 1879 | 587 | 165 | 16 | 311 |
| 216, 980 | Stevens, Edward F., Mechanics Falls, Me. Channeling-tool | July 1, 1879 | 59 | 18 | 16 | 10 |
| 218, 591 | Stevens, Elijah, Somerville, N. J. Horse-detaching device | Aug. 12, 1879 | 556 | 156 | 16 | 306 |
| 221, 430 | Stevens, Francis B., Hoboken, N. J. Rocking grate-bar | Nov. 11, 1879 | 341 | 94 | 16 | 868 |
| 216, 907 | Stevens, Gustavus, East Tawas, assignor of one-half interest to E. F. Guild, East Saginaw, Mich. Machine for plastering walls | June 24, 1879 | 1033 | 293 | 15 | 1044 |
| 221, 371 | Stevens, John, Neenah, Wis. Grinding-mill | Nov. 4, 1879 | 259 | 70 | 16 | 848 |
| 212, 281 | Stevens, John L., assignor to W. H. Harris, Chicago, Ill. Egg-carrier | Feb. 11, 1879 | 525 | 146 | 15 | 196 |
| 213, 848 | Stevens, John L., assignor to Billings, Coburn & Co., Chicago, Ill. Egg-carrier | Apr. 1, 1879 | 128 | 38 | 15 | 489 |
| 213, 849 | Same.....same | Apr. 1, 1879 | 128 | 38 | 15 | 489 |
| 213, 850 | Same.....same | Apr. 1, 1879 | 129 | 38 | 15 | 489 |
| 215, 179 | Stevens, John L., assignor to W. H. Harris, Chicago, Ill. Box-fastener | May 6, 1879 | 222 | 65 | 15 | 730 |
| 218, 328 | Stevens, John L., assignor to C. A. Gillespie, Chicago, Ill. Egg-case | Aug. 5, 1879 | 245 | 67 | 16 | 253 |
| 218, 592 | Stevens, John L., assignor to E. L. Mueller, Saint Louis, Mo. Egg-crate | Aug. 12, 1879 | 557 | 157 | 16 | 307 |
| 219, 794 | Stevens, John L., assignor to C. A. Gillespie, Chicago, Ill. Egg-carrier | Sept. 16, 1879 | 841 | 232 | 16 | 538 |
| | Stevens, John S., *et al.* (*See* Bancroft, Gideon K., assignor.) | | | | | |
| 211, 642 | Stevens, Joshua, Chicopee Falls, Mass. Rifle-barrel for breech-loading shot-guns | Jan. 28, 1879 | 680 | 190 | 15 | 93 |
| 217, 829 | Stevens, Josiah C., Cleveland, Ohio. Coin-holder | July 22, 1879 | 1025 | 294 | 16 | 165 |
| 221, 257 | Stevens, Levi, Washington, D. C. Process and apparatus for utilizing in furnaces the gases from coking coal | Nov. 4, 1879 | 128 | 34, 35 | 16 | 830 |
| 221, 429 | Same.....Combined matting and smelting furnace | Nov. 11, 1879 | 340 | 93 | 16 | 868 |
| 211, 353 | Stevens, Lewis, Binghamton, N. Y. Basket | Jan. 14, 1879 | 332 | 97 | 15 | 43 |
| 222, 608 | Stevens, Sidney M., De Kalb, Ill. Barb-fence machine | Dec. 16, 1879 | 583 | 166 | 16 | 1108 |
| 222, 747 | Same..... Barbed-wire fence | Dec. 16, 1879 | 735 | 211 | 16 | 1130 |
| | Stevens, T. H., *et al.* (*See* Steel, Robert, assignor.) | | | | | |
| 221, 256 | Stevens, William H., Mendon, Mich. Sand-band for hubs | Nov. 4, 1879 | 128 | 34 | 16 | 830 |
| 222, 326 | Stevens, William J., New York, N. Y. Hose and pipe coupling | Dec. 2, 1879 | 234 | 63 | 16 | 1041 |
| 223, 183 | Stevens, William J., assignor of one-half interest to W. F. Proctor, New York, N. Y. Coupling for hose and other pipes | Dec. 30, 1879 | 1243 | 352 | 16 | 1222 |
| | Stevens, William M. (*See* Poston, Stevens & Siders.) | | | | | |
| 219, 539 | Stevens, William W., Portland, Me. Tea-pot | Sept. 9, 1879 | 546 | 153 | 16 | 490 |
| 222, 846 | Stevens, Wiyatt M., Lowell, Mass. Attachment for wash-tubs | Dec. 23, 1879 | 861 | 248 | 16 | 1158 |
| 211, 273 | Stevenson, Adolphus W., Xenia, Ohio. Horse hay-rake | Jan. 7, 1879 | 213 | 62 | 15 | 27 |
| 216, 966 | Stevenson, Anthony, Chester, and S. Wylde, Runcorn, Cheshire County, England. Grinding-mill | June 24, 1879 | 1032 | 293 | 15 | 1044 |
| 219, 602 | Stevenson, Augustus, Kittery, Me. Planing-machine | Sept. 16, 1879 | 622 | 174 | 16 | 508 |
| 213, 076 | Stevenson, Hugh, Oshkosh, Wis. Towing canal-boats | Mar. 11, 1879 | 367 | 103 | 15 | 352 |
| | Stevenson, William H. H. (*See* Hammond & Stevenson.) | | | | | |
| 222, 325 | Stever, Jeremiah, Birmingham, assignor of one-half interest to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Polishing-machine | Dec. 2, 1879 | 232 | 62, 63 | 16 | 1041 |
| 218, 461 | Steves, Francis M., Louisville, Wis. Grain-drill | Aug. 12, 1879 | 413 | 113 | 16 | 284 |
| 222, 210 | Steves, Joshua, Stockton, Cal. Apparatus for guiding headers | Dec. 2, 1879 | 108 | 26 | 16 | 1023 |
| 217, 910 | Steward, Aurelius, assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Sewing-machine | July 29, 1879 | 1131 | 323 | 16 | 186 |
| 218, 404 | Same .... Sewing-machine case | Aug. 12, 1879 | 343 | 94 | 16 | 277 |
| 217, 713 | Steward, Demetrius M., assignor to Anchor Soap Stone Company, Cincinnati, Ohio. Artificial slate | July 22, 1879 | 905 | ..... | 16 | 150 |
| | Steward, John, *et al.* (*See* Bancroft, Gideon K., assignor.) | | | | | |
| 211, 354 | Steward, John F., Plano, Ill. Grain-binder | Jan. 14, 1879 | 332 | 98 | 15 | 43 |
| 213, 534 | Stewart, Alvin A., Pleasant Plains, Ohio. Cut-off for steam-engines | Mar. 25, 1879 | 874 | 249 | 15 | 434 |
| 213, 305 | Stewart, Benjamin F., New Philadelphia, Ohio, assignor of one-half interest to D. A. Hopkins, Park Ride, N. J. Car-brake | Mar. 18, 1879 | 639 | 180 | 15 | 395 |
| 217, 649 | Stewart, Benjamin F., New Philadelphia, Ohio., assignor of one-half interest to D. A. Hopkins, Washington, N. J. Automatic car-brake | July 15, 1879 | 813 | 222 | 16 | 128 |
| 220, 503 | Stewart, Enos W., assignor of one-half interest to J. H. Rolson, Kalamazoo, Mich. Metal-bending machine | Oct. 14, 1879 | 335 | 89 | 16 | 689 |
| 219, 032 | Stewart, Frederick, Saint Louis, Mo. Hose-coupling | Aug. 26, 1879 | 1085 | 305 | 16 | 396 |
| 8, 592 | Stewart, Isaac W., New York, N. Y. Safety-pin.....(Reissue) | Feb. 18, 1879 | 852 | 236 | 15 | 242 |
| 218, 918 | Stewart, James O., Alameda, Cal. Electric amalgamator | Aug. 26, 1879 | 967 | 272 | 16 | 381 |
| 219, 122 | Stewart, James O., San Francisco, Cal. Muffle-furnace | Sept. 2, 1879 | 73 | 23 | 16 | 422 |
| 212, 410 | Stewart, John, Chicago, Ill. Street-lamp | Feb. 18, 1879 | 681 | 190 | 15 | 220 |
| 219, 321 | Stewart, John G., Carlinville, Ill. Roller-bracket for screens | Sept. 2, 1879 | 305 | 86 | 16 | 450 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Stewart, John M. (*See* Martin & Stewart.) | | | | | |
| 214, 964 | Stewart, Levin J., Norfolk, Va. Fire-box for stoves | Apr. 29, 1879 | 1448 | 403 | 15 | 690 |
| 217, 558 | Same.....Oyster-float | July 15, 1879 | 713 | 203 | 16 | 115 |
| 219, 993 | Stewart, Robert G., assignor to self and E. J. O'Conner, Augusta, Ga. Bale-tie | Sept. 23, 1879 | 1072 | 297 | 16 | 579 |
| 212, 521 | Stewart, Samuel M., New Harrisburg, Ohio. Door-sill and carpet-strip | Feb. 18, 1879 | 829 | 230 | 15 | 239 |
| 213, 259 | Stewart, Sylvester N., Philadelphia, Pa. Camp-stool | Mar. 11, 1879 | 573 | 159 | 15 | 378 |
| | Stewart, William, *et al.* (*See* Spencer, Allen D., assignor) | (Reissue.) | | | | |
| 211, 870 | Stewart, William, Portsmouth, Ohio. Yeast substitute | Feb. 4, 1879 | 56 | ..... | 15 | 133 |
| | Stewart, William H. (*See* Gillette, George H., assignor.) | | | | | |
| 220, 773 | Stewart, William H., Brooklyn, N. Y. Bung and stopper for casks | Oct. 21, 1879 | 662 | 176 | 16 | 789 |
| 222, 094 | Same.....Bung | Nov. 22, 1879 | 1126 | 317 | 16 | 993 |
| 219, 992 | Stewart, William J., Saint Louis, Mo. Sewing-machine | Sept. 23, 1879 | 1070 | 297 | 16 | 579 |
| 214, 795 | Stewart, William W., Brooklyn, N. Y. Fountain-pen holder | Apr. 29, 1879 | 1272 | 356 | 15 | 667 |
| 222, 959 | Same.....Fountain-pen | Dec. 23, 1879 | 985 | 283 | 16 | 1176 |
| 213, 705 | St. George, George, Camden, N. J. Barrel-tap | Mar. 25, 1879 | 1061 | 302 | 15 | 458 |
| 213, 706 | Stice, Phebe K., and W. H. King, Swan Creek, Ill. Invalid-bedstead | Mar. 25, 1879 | 1062 | 302 | 15 | 459 |
| | Stich, William E. (*See* Guiley, Jacob H., assignor.) | | | | | |
| 216, 982 | Sticker, Peter F., assignor to Emerson, Fisher & Co., Cincinnati, Ohio. Vehicle-spring | July 1, 1879 | 61 | 19 | 16 | 10 |
| 216, 983 | Same.....same | July 1, 1879 | 61 | 19 | 16 | 10 |
| 213, 466 | Stickle, William H., Terre Haute, Ind. Vehicle-spring | Mar. 18, 1879 | 794 | 224 | 15 | 416 |
| | Stiebling, Herman. (*See* Pfanne, Charles, assignor.) | | | | | |
| 223, 184 | Stiefenhofer, Franz X., assignor to J. Farber, Cherryville, Pa. Grain-decorticating apparatus | Dec. 30, 1879 | 1244 | 352 | 16 | 1222 |
| 213, 306 | Stieglitz, Siegmund, New York, N. Y. Card or ticket holder | Mar. 18, 1879 | 641 | 180 | 15 | 395 |
| 216, 356 | Stigers, John G., I. F. Bloom, and T. J. Boyer, Clearfield County, Pa. Car-coupling | June 10, 1879 | 401 | 114 | 15 | 942 |
| 215, 180 | Stiles, Isaac W., North Haven, Conn. Rack for supporting articles over lamps for heating | May 6, 1879 | 222 | 65 | 15 | 730 |
| 222, 609 | Stillman, Charles F., Plainfield, N. J. Surgical splint | Dec. 16, 1879 | 585 | 167 | 16 | 1108 |
| 216, 546 | Stillman, Henry B., New York, N. Y. Gas-burner | May 20, 1879 | 667 | 194 | 15 | 801 |
| 220, 504 | Same.....Globe-holder for gas-fixtures | Oct. 14, 1879 | 336 | 89 | 16 | 689 |
| | Stillwell, Adrian. (*See* Church & Stillwell.) | | | | | |
| 213, 357 | Stilson, Abel G., Cobleskill, N. Y. Butter-package | Mar. 18, 1879 | 695 | 194 | 15 | 403 |
| 217, 423 | Stilwell, Charles, Morristown, N. J. Brick-machine | July 8, 1879 | 550 | 158 | 16 | 81 |
| 217, 301 | Stilwell, Randolph W., Caldwell, N. J. Paper stove-platform | July 8, 1879 | 420 | 124 | 16 | 66 |
| 211, 603 | Stine, John, Mount Auburn, Ind. Clover-seed separator | Jan. 21, 1879 | 617 | 174 | 15 | 82 |
| 213, 141 | Stineman, William H. H., and D. H. Flack, Baltimore, Md. Lamp | Mar. 11, 1879 | 449 | 124 | 15 | 362 |
| 215, 688 | Stineman, William H. H., assignor of one-half interest to C. S. Desch, Baltimore, Md. Lamp | May 20, 1879 | 825 | 241 | 15 | 822 |
| 217, 753 | Stinson, Joseph N., Chicago, Ill. Passenger-ticket | July 22, 1879 | 943 | 271 | 16 | 155 |
| 212, 116 | Stirckler, Albert E., assignor to H. H. Bigelow, Worcester, Mass. Machine for trimming and burnishing boot and shoe heels | Feb. 11, 1879 | 343 | 94 | 15 | 171 |
| | Stirling, Allan. (*See* Baird & Stirling.) | | | | | |
| 219, 779 | Stirrat, Robert J., Saint Louis, Mo. Machine for wiring pans | Sept. 16, 1879 | 820 | 227 | 16 | 535 |
| 221, 876 | Stites, Charles F., Cincinnati, Ohio. Bail-ear and lifter attachment | Nov. 18, 1879 | 858 | 240 | 16 | 947 |
| 221, 945 | Stitzel, Frederick, Louisville, Ky. Rack for tiering barrels | Nov. 25, 1879 | 961 | 269 | 16 | 970 |
| 218, 329 | Stivers, Scott, Liberty, Ind. Combined scissors and scale-measure | Aug. 5, 1879 | 246 | 67 | 16 | 254 |
| 220, 886 | St. John, Garland B., Cedar Rapids, Iowa. Combined anvil and vise | Oct. 21, 1879 | 784 | 209 | 16 | 755 |
| 219, 780 | St. John, Roswell H., Springfield, Ohio. Sewing-machine | Sept. 16, 1879 | 822 | 228 | 16 | 535 |
| 222, 543 | Same.....Button-hole attachment for sewing-machines | Dec. 9, 1879 | 489 | 138 | 16 | 1084 |
| | St. John Sewing Machine Company. (*See* Mullikin, Edward W., assignor.) | | | | | |
| | St. John, Van Renselaer. (*See* Creese & St. John.) | | | | | |
| | St. John, William. (*See* Barnett, John W., assignor.) | | | | | |
| 217, 714 | St. Leger, Hilaire P. T. D. de, Poitiers, France. Cutlery-scourer | July 22, 1879 | 906 | 259 | 16 | 150 |
| | St. Louis Refrigerator and Wooden Gutter Company. (*See* Quigley & Grayson, assignors.) | | | | | |
| 216, 468 | St. Mary, Anthony, Decatur, Ill. Hog ring and ringing implement | June 10, 1879 | 525 | 150 | 15 | 959 |
| | Stobwasser, Gustav. (*See* Sarre, Rudolph. assignor.) | | | | | |
| 217, 424 | Stock, Charles F., Peoria, and D. M. Morris, Quincy, Ill. Ball-trap | July 8, 1879 | 552 | 158 | 16 | 82 |
| 221, 946 | Stock, Hosea T., Toledo, Ohio. Device for raising and lowering booms | Nov. 25, 1879 | 961 | 269 | 16 | 970 |
| 221, 749 | Stockford, Benjamin F., South Bend, Ind. Camp-stove | Nov. 18, 1879 | 704 | 197 | 16 | 927 |
| 222, 544 | Stocking, Edgar B., Washington, D. C., assignor to W. C. Cross, Boston, Mass. Paper-bag machine | Dec. 9, 1879 | 491 | 138, 139 | 16 | 1085 |
| | Stocking, Zalmon S. (*See* Lippy & Stocking.) | | | | | |
| 212, 522 | Stockmann, Christopher, Brooklyn, N. Y. Fountain-lamp | Feb. 18, 1879 | 830 | 230 | 15 | 239 |
| 222, 428 | Stockwell, Emory, assignor to Yale Lock Manufacturing Company, Stamford, Conn. Safe | Dec. 9, 1879 | 354 | 100 | 16 | 1067 |
| 217, 302 | Stockwell, Levi W., Ravenna, Ohio. Machine for threading and cutting off pipes | July 8, 1879 | 421 | 124 | 16 | 66 |
| 219, 125 | Stockwell, Levi W., Cleveland, Ohio. Drive-chain | Sept. 2, 1879 | 76 | 24 | 16 | 423 |
| 219, 126 | Same.....Detachable link for drive-chains | Sept. 2, 1879 | 77 | 24 | 16 | 423 |
| 217, 651 | Stocum, Jonathan A., Englewood, Ill. Hay-stove | July 15, 1879 | 816 | 233 | 16 | 128 |
| 222, 328 | Stoddard, Alfred, New York, N. Y. Belaying device | Dec. 2, 1879 | 238 | 64 | 16 | 1042 |
| | Stoddard & Co., John W., *et al.* (*See* Regan, Bernard, assignor) | (Reissue.) | | | | |
| 216, 768 | Stoddard, Curtis, and J. W. D. Fifield, North Brookfield, Mass. Crimping-machine for boot and shoe uppers, &c | June 24, 1879 | 878 | 249, 250 | 15 | 1024 |
| | Stoddard, Edward D. (*See* Light, Edward B., assignor.) | | | | | |
| | Stoddard, E. Fowler. (*See* Nauman & Stoddard.) | | | | | |
| | Stoddard, Marvin O. (*See* Moseley, Fredrick W., assignor.) | | | | | |
| 222, 096 | Stoddard, Oscar, Rochester, N. Y., assignor of one-fourth interest to C. F. Potter, Detroit, Mich. Knob attachment | Nov. 25, 1879 | 1128 | 317 | 16 | 993 |
| | Stoddart, Charles H. (*See* Barton, William, assignor.) | | | | | |
| 218, 078 | Stoeffler, John P., and F. Strub, Ceres, Iowa. Corn-planter | July 29, 1879 | 1308 | 375, 376 | 16 | 209 |
| 214, 467 | Stoker, George W., assignor of one-half interest to W. C. Arnold, Montague, Mich. Fire-kindler | Apr. 15, 1879 | 872 | 245 | 15 | 601 |
| 217, 830 | Stoll, Charles, Brooklyn, N. Y. Machine for mashing and mixing brewer's mash | July 22, 1879 | 1026 | 294, 295 | 16 | 165 |
| 8, 628 | Stoll, Charles G. and W., assignors, by mesne assignments, to H. H. Doubleday, Washington, D. C. Machine for separating grain, &c | (Reissue). Mar. 18, 1879 | 824 | 233 | 15 | 420 |
| 220, 259 | Stoll, Conrad, Mokena, Ill. Barrel-support | Oct. 7, 1879 | 55 | 14 | 16 | 642 |
| 220, 260 | Stoll, Nicolaus, Chicago, Ill. Draw-bridge gate | Oct. 7, 1879 | 56 | 15 | 16 | 642 |
| | Stoll, William. (*See* Stoll, Charles G. and W.) | (Reissue.) | | | | |
| 220, 315 | Stolpe, Edward, Washington, D. C. Lamp | Oct. 7, 1879 | 121 | 33 | 16 | 651 |
| 217, 650 | Stombs, Daniel S., Stillwater, Minn. Link-motion | July 15, 1879 | 815 | 232 | 16 | 128 |
| 215, 077 | Stone, Alanson J., Milwaukee, Wis. Hoe | May 6, 1879 | 105 | 32 | 15 | 716 |
| | Stone, Calvin. (*See* Allen, James N., assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page |
|---|---|---|---|---|---|---|
| 215,487 | Stone, Charles E., Salisbury, Mass. Vehicle-spring | May 20, 1879 | 604 | 178 | 15 | 793 |
| | Stone, John W. (*See* Hamilton, John J., assignor.) | | | | | |
| 219,995 | Stone, Joseph, Boston, Mass. Clutch-pulley | Sept. 23, 1879 | 1074 | 298 | 16 | 579 |
| 219,127 | Stone, Marvin C., Falls Church, Va. Combined pencil-sharpener and pencil-point protector | Sept. 2, 1879 | 77 | 24 | 16 | 423 |
| 219,123 | Stone, William A., Eddyville, Ill. Corn-sheller | Sept. 2, 1879 | 74 | 23 | 16 | 422 |
| | Stone, William W. (*See* Yule & Stone.) | | | | | |
| 212,067 | Stoner, Abraham, Stony Point Post-Office, East Baton Rouge Parish, La. Fire-extinguisher | Feb. 4, 1879 | 282 | 77 | 15 | 161 |
| 218,594 | Stoner, John B., New York, N. Y., assignor of one-half interest to W. D. Suydam, Denver, Colo. Grain-meter | Aug. 12, 1879 | 558 | 157, 158 | 16 | 307 |
| 218,595 | Stoner, John B., Toledo, Ohio. Pneumatic grain-elevator | Aug. 12, 1879 | 561 | 158, 159 | 16 | 307 |
| 216,908 | Stopple, John J., Belleville, Tex. Cotton-press | June 24, 1879 | 1034 | 294 | 15 | 1044 |
| 217,494 | Storer, Charles, Cambridgeport, Mass. Lacing-stud for boots and shoes | July 15, 1879 | 643 | 183 | 16 | 106 |
| 213,003 | Storer, George W., Philadelphia, Pa. Feed-water heater | Mar. 4, 1879 | 272 | 76 | 15 | 332 |
| 213,467 | Same.....Speed-indicator for shafts | Mar. 18, 1879 | 794 | 224 | 15 | 416 |
| 213,077 | Storey, Bradford W., assignor to H. B. Smith Machine Company, Smithville, N. J. Vise | Mar. 11, 1879 | 368 | 104 | 15 | 352 |
| 214,596 | Storey, William H., Acton, Ontario, Canada. Glove-fastener | Apr. 22, 1879 | 1041 | 292 | 15 | 629 |
| 220,551 | Storle, Ole O., assignor of two-thirds interest to J. G. Flint, jr., Milwaukee, Wis. Knot-tier for grain-binders | Oct. 14, 1879 | 394 | 102, 103 | 16 | 696 |
| 220,552 | Same.....Self locking and releasing attachment for levers, crank-arms, &c | Oct. 14, 1879 | 397 | 103 | 16 | 696 |
| 221,627 | Same.....Cord holder and cutter for grain-binders | Nov. 11, 1879 | 562 | 155 | 16 | 899 |
| 222,960 | Same.....Compressor and detainer for grain-binders | Dec. 23, 1879 | 987 | 283 | 16 | 1176 |
| | Storm, Alfred. (*See* Wood & Storm.) | | | | | |
| 215,488 | Storrs, Aaron P., jr., Owego, N. Y. Siphon-exhaust | May 20, 1879 | 606 | 178 | 15 | 793 |
| 213,594 | Story, John, Allegheny County, assignor to Adams & Co., Pittsburg, Pa. Grinding glass for ornamentation | Mar. 25, 1879 | 944 | 268 | 15 | 443 |
| 219,418 | Story, John, Baldwin Township, Allegheny County, Pa. Connecting parts of glass or china ware utensils | Sept. 9, 1879 | 426 | 118 | 16 | 474 |
| 212,159 | Story, Samuel L., Hillsborough, Ky. Fluting-iron | Feb. 11, 1879 | 390 | 106 | 15 | 178 |
| | Stotboff, George B. (*See* Banker, Charles S., assignor.) | | | | | |
| 216,909 | Stott, Benjamin, assignor to Chester Tube and Iron Company, South Chester, Pa. Screw-cutting tap | June 24, 1879 | 1035 | 294 | 15 | 1044 |
| 220,098 | Stoughton, William R., Pittsburg, Pa. Sign | Sept. 30, 1879 | 1213 | 334 | 16 | 606 |
| 219,124 | Stover, Daniel C., Freeport, Ill., assignor to Washburn & Moen Manufacturing Company, Worcester, Mass. Reel for coiling wire rods | Sept. 2, 1879 | 75 | 24 | 16 | 422 |
| | Stover, John A. (*See* Pattillo, Robert M., assignor.) | | | | | |
| 213,260 | Stow, Enos E., Plantsville, Conn. Coat and hat hook | Mar. 11, 1879 | 573 | 160 | 15 | 378 |
| | Stow, Frederic D. (*See* Petrie & Hall, assignors.) | | | | | |
| 8,607 | Stow, Nelson, Binghamton, N. Y., assignor to S. S. White, Philadelphia, Pa. Flexible shaft (Reissue) | Mar. 4, 1879 | 302 | 85 | 15 | 335 |
| 213,707 | Stow, Orson W., Plantsville, Conn. Coffee-mill | Mar. 25, 1879 | 1063 | 303 | 15 | 459 |
| 216,469 | Same.....Machine for rounding iron for bolt-blanks, &c | June 10, 1879 | 526 | 150, 151 | 15 | 959 |
| 218,593 | Stow, Orson W., Plantsville, assignor to Peck, Stow & Wilcox Company, Southington, Conn. Bit-stock | Aug. 12, 1879 | 557 | 157 | 16 | 307 |
| 220,887 | Stow, William H., Chicago, Ill. Wood pavement | Oct. 21, 1879 | 785 | 209 | 16 | 755 |
| 221,628 | Stowe, Benjamin L., assignor to J. V. Reed, New York, N. Y. Machine for knitting tubular fabrics | Nov. 11, 1879 | 563 | 155, 156, 157 | 16 | 900 |
| 221,980 | Same.....Diaphragm for air or vacuum railway-brakes | Nov. 25, 1879 | 999 | 279, 280 | 16 | 975 |
| 222,327 | Same.....Tubular knit fabric | Dec. 2, 1879 | 235 | 63, 64 | 16 | 1041 |
| 213,708 | Stowe, Isaac A., Bridgeport, Conn. Hobby-horse | Mar. 25, 1879 | 1064 | 303 | 15 | 459 |
| 214,533 | Straffin, Charles H., Abington, Mass. Machine for cutting heel-lifts | Apr. 22, 1879 | 973 | 273 | 15 | 621 |
| 214,532 | Straight, John A., Albion, N. Y. Car-heating apparatus | Apr. 22, 1879 | 972 | 273 | 15 | 621 |
| 215,489 | Strang, Joseph, assignor to C. Aultman & Co., Canton, Ohio. Vertical-flue boiler | May 20, 1879 | 607 | 178 | 15 | 793 |
| 214,468 | Strang, Samuel T., Bridgeton, N. J. Apparatus for cleaning the tops of fruit-cans | Apr. 15, 1879 | 872 | 246 | 15 | 601 |
| 215,689 | Strange, Emerson C., Taunton, Mass. Seed-planter | May 20, 1879 | 826 | 241 | 15 | 822 |
| 218,792 | Stransky, Maurice, New York, N. Y. Can or vessel for containing oil and other liquids | Aug. 19, 1879 | 790 | 225 | 16 | 347 |
| 223,185 | Same.....Slop-jar | Dec. 30, 1879 | 1245 | 353 | 16 | 1222 |
| 213,142 | Strater, Herman, jr., and H. H. Rueter, Boston, Mass. Preventing galvanic actions in the manufacture of malt liquors | Mar. 11, 1879 | 450 | 125 | 15 | 362 |
| 215,026 | Strater, Herman, jr., Boston, Mass. Direct-acting pump | May 6, 1879 | 50 | 15 | 15 | 709 |
| 222,097 | Stratiff, William I., Altoona, Pa. Grain-car door | Nov. 25, 1879 | 1129 | 318 | 16 | 993 |
| 218,791 | Stratton, Joseph H., Beloit, Ohio. Easel | Aug. 19, 1879 | 789 | 224 | 16 | 347 |
| 8,712 | Straub, Ambrose W., Philadelphia, Pa. Grinding-mill (Reissue) | May 13, 1879 | 522 | 154 | 15 | 773 |
| | Straub Mill Company. (*See* Cathcart, Rodney S., assignor) (Reissue.) | | | | | |
| | Same..... (*See* Dorsey, Marcellus, assignor.) | | | | | |
| | Strawbridge, Alfred G. (*See* Lawrence & Strawbridge.) | | | | | |
| 221,004 | Strayer, Jacob, South Bend, Ind. Grain-drill | Oct. 28, 1879 | 945 | 252 | 16 | 785 |
| 218,793 | Strayer, Lewis, York, Pa. Mill-burr dress | Aug. 19, 1879 | 791 | 225 | 16 | 347 |
| 220,505 | Strecter, Herbert A., Chicago, Ill. Metallic window-sash | Oct. 14, 1879 | 337 | 89 | 16 | 689 |
| 213,851 | Streeter, Nelson R., Groton, N. Y. Bow | Apr. 1, 1879 | 130 | 39 | 15 | 489 |
| 218,079 | Same.....same | July 29, 1879 | 1313 | 377 | 16 | 210 |
| 219,881 | Same.....Arrow | Sept. 23, 1879 | 947 | 262 | 16 | 561 |
| 214,062 | Streit, Henry V., assignor to J. A. Fay & Co., Cincinnati, Ohio. Endless-bed surface-planer | Apr. 8, 1879 | 385 | 108 | 15 | 530 |
| 216,065 | Streit, Jacob, and A. A. Burns, Pittsburg, Pa. Machine for forming eyes on suspension-rods | June 3, 1879 | 64 | 17, 18 | 15 | 893 |
| 218,080 | Strickland, Morgan D., Saint Louis, Mo. Injector | July 29, 1879 | 1314 | 377 | 16 | 210 |
| 220,680 | Strickrodt, Charles, New York, N. Y. Spring-clasp | Oct. 14, 1879 | 539 | 143 | 16 | 715 |
| | Strieby, Frank H. (*See* Bolton & Strieby.) | | | | | |
| | Same..... (*See* Bolton, Strieby & Rankin.) | | | | | |
| 216,357 | Strieby, Frank H., and J. C. Rankin, Cleveland, Ohio. Paper-box machine | June 10, 1879 | 401 | 114, 115 | 15 | 942 |
| 219,996 | Strobridge, Turner, New Brighton, Pa. Handle for cutlery | Sept. 23, 1879 | 1074 | 298 | 16 | 579 |
| 212,762 | Stromberg, Charles J., Chicago, Ill. Portfolio | Feb. 25, 1879 | 1098 | 304 | 15 | 284 |
| 217,715 | Strömquist, Nels A., Oneida, Ill. Washing-machine | July 22, 1879 | 907 | 259 | 16 | 150 |
| | Strong, David A. (*See* Robinson, John K., assignor) (Reissue.) | | | | | |
| | Strong, Henry A., *et al.* (*See* Barnard, Henry H., assignor.) | | | | | |
| | Strong, John W. (*See* Castle & Strong,) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 222,545 | Stroud, George H., and J. A. Shuman, Sugar Run, Pa. Tire-shrinker | Dec. 9, 1879 | 494 | 139 | 16 | 1085 |
| | Stroud, Wiley N. (*See* Neal & Stroud.) | | | | | |
| | Strub, Frank. (*See* Stoeffler & Strub.) | | | | | |
| 215,989 | Struble, Lafayette, Forest, Ohio. Metallic roofing | May 27, 1879 | 1155 | 336 | 15 | 873 |
| | Strueve, Henry F. (*See* Helvering, Daniel B., assignor.) | | | | | |
| 217,026 | Stuart, Addison A., Cedar Rapids, Iowa. Windmill-motor | July 1, 1879 | 109 | 31, 32 | 16 | 16 |
| | Stuart, Benjamin N., *et al.* (*See* Gear, James W., assignor.) | | | | | |
| | Stuart, Charles J., *et al.* (*See* Gear, James W., assignor.) | | | | | |
| 223,186 | Stuart, Henry C., Warrenton, Mo. Sulky-plow | Dec. 30, 1879 | 1246 | 353 | 16 | 1222 |
| 216,539 | Stuart, James C., Lawrence, Mass. Furnace and stove | June 17, 1879 | 610 | 173 | 15 | 979 |
| 214,469 | Stuart, Levi B., Seymour, assignor of one-half interest to F. Durand, Derby, Conn. Truss | Apr. 15, 1879 | 873 | 246 | 15 | 601 |
| 213,535 | Stuart, Robert J., Yonkers, N. Y. Printing-press | Mar. 25, 1879 | 875 | 249, 250, 251 | 15 | 435 |
| 219,540 | Stubblebine, William, Bethlehem, Pa. Machine for bundling hoop-iron | Sept. 9, 1879 | 547 | 153 | 16 | 490 |
| | Stubbs, Jesse, *et al.* (*See* Farber, Mannasseh W., assignor.) | | | | | |
| | Stuber, Jacob. (*See* Stuber, John and J.) | | | | | |
| 220,888 | Stuber, John and J., Syracuse, N. Y. Apparatus for filling out beer | Oct. 21, 1879 | 786 | 210 | 16 | 755 |
| 220,443 | Stucker, Alexander A., Harrisonville, Ky. Drag-sawing machine | Oct. 7, 1879 | 256 | 68 | 16 | 670 |
| 212,823 | Stucky, Stephen, Lincoln, Ala. Baling-press | Mar. 4, 1879 | 48 | 16 | 15 | 304 |
| | Studer, William. (*See* Sinn & Studer.) | | | | | |
| 219,832 | Studley, James E., Oshkosh, Wis. Chain-link | Sept. 23, 1879 | 901 | 248 | 16 | 555 |
| 220,506 | Same.....Chain-hook | Oct. 14, 1879 | 337 | 90 | 16 | 689 |
| 219,034 | Sturdevant, Alfred T., Danbury, Conn. Machine for manufacturing paper-stock | Aug. 26, 1879 | 1086 | 305 | 16 | 396 |
| 214,323 | Sturdivant, Edward C., Brownsville, Tenn. Fence-post | Apr. 15, 1879 | 718 | 201 | 15 | 581 |
| 215,078 | Sturgeon, John H., Owensville, Ind. Grain-separator | May 6, 1879 | 106 | 32 | 15 | 716 |
| | Sturtevant, E. Lewis. (*See* Baldwin, Cyrus W., assignor) (Reissue.) | | | | | |
| 9,011 | Stutz, Sebastian, Pittsburg, Pa. Coal-washing machine (Reissue) | Dec. 30, 1879 | 1287 | 363 | 16 | 1228 |
| 215,181 | Same.....Process and apparatus for washing bituminous coal | May 6, 1879 | 223 | 66 | 15 | 730 |
| 214,965 | Sudlow, Charles A., assignor of two-thirds interest to R. L. Douglas and F. A. Hart, Cincinnati, Ohio. Air and steam injector | Apr. 29, 1879 | 1448 | 403 | 15 | 690 |
| | Sues, Julius, *et al.* (*See* Way, Frederick H., assignor) (Reissue.) | | | | | |
| | Sugru, Edward J., *et al.* (*See* Spencer, Charles F., assignor.) | | | | | |
| 218,330 | Suingley, George R., Fredericktown, Ohio, assignor of one-half interest to S. B. Ackerman and J. W. Leedy. Harness-tug | Aug. 5, 1879 | 246 | 67 | 16 | 254 |
| 211,355 | Sulgrove, Joseph B., assignor to M. L. Sulgrove, Indianapolis, Ind. Take-up and tension-spring for wax-thread sewing-machines | Jan. 14, 1879 | 333 | 98 | 15 | 43 |
| 212,523 | Sulgrove, Joseph B., Indianapolis, Ind. Sewing-machine attachment | Feb. 18, 1879 | 831 | 230, 231 | 15 | 239 |
| | Sulgrove, Mary L. (*See* Sulgrove, Joseph B., assignor.) | | | | | |
| 215,990 | Sullivan, Cornelious, Three Rivers, Mass. Spooling-guide | May 27, 1879 | 1157 | 336 | 15 | 873 |
| 217,911 | Sullivan, Daniel, Bangor, Me. Boiler-tube cleaner | July 29, 1879 | 1132 | 324 | 16 | 186 |
| 223,187 | Sullivan, John R., assignor of one-half interest to R. A. Rotche, San Rafael, Cal. Railway-chair | Dec. 30, 1879 | 1247 | 353 | 16 | 1222 |
| | Sullivan Machine Company. (*See* Ball, Albert, assignor.) | | | | | |
| 221,947 | Sullivan, Margaret F., Chicago, Ill. Slate | Nov. 25, 1879 | 962 | 269 | 16 | 970 |
| 219,035 | Sullivan, Nicholas, Iowa City, Iowa, assignor to self and three-fourths interest to S. J. Hess, L. H. Jackson, and M. Bloom, Johnson, Iowa. Nut-lock | Aug. 26, 1879 | 1088 | 306 | 16 | 397 |
| 213,468 | Sullivan, Peter, Pittsburg, Pa. Boiler-furnace and feed-water heater | Mar. 18, 1879 | 795 | 224 | 15 | 416 |
| 214,011 | Sultzer, Joseph B., New York, N. Y. Tablet of coffee | Apr. 8, 1879 | 318 | 92 | 15 | 522 |
| 221,750 | Suman, William, Anderson, Ind. Heating attachment for stove-pipes | Nov. 18, 1879 | 706 | 198 | 16 | 927 |
| 216,297 | Summers, Harry B., Southington, Ohio. Ironing-stand | June 10, 1879 | 329 | 97 | 15 | 933 |
| 220,188 | Summers, John C., and M. G. Combs, Shellsburg, Iowa. Refrigerator | Sept. 30, 1879 | 1314 | 363 | 16 | 620 |
| 219,997 | Summers, Lawrence M., and M. Wilson, Norborne, Mo. Sulky-plow | Sept. 23, 1879 | 1075 | 298 | 16 | 579 |
| 221,751 | Summerton, George, San Francisco, Cal. Middlings scourer and purifier | Nov. 18, 1879 | 707 | 198 | 16 | 927 |
| 216,984 | Sumner, Dwight C., Millbury, Mass. Cloth-shearing machine | July 1, 1879 | 62 | 19 | 16 | 10 |
| | Sumner, Frank A. (*See* Smith, George D., assignor.) | | | | | |
| | Sumner, George F., administrator. (*See* Townsend, Matthew.) | | | | | |
| | Sumner, Maria T. (*See* Townsend, Matthew, assignor.) | | | | | |
| 222,093 | Sunderland, Fernando Y., Thorntown, Ind. Magazine-gun | Nov. 25, 1879 | 1129 | 318 | 16 | 993 |
| 219,324 | Sunderlin, Martin J., Watkins, N. Y. Fountain-brush | Sept. 2, 1879 | 308 | 87 | 16 | 451 |
| 218,837 | Sunderman, William, Pittsburg, Pa. Bottle-stopper fastener | Aug. 26, 1879 | 873 | 245 | 16 | 368 |
| 216,582 | Sundquist, Charles, Chattanooga, Tenn. Invalid rocking-chair | June 17, 1879 | 659 | 187 | 15 | 985 |
| 220,774 | Surerus, Jacob, Newark, N. J. Hat-finishing machine | Oct. 21, 1879 | 663 | 176 | 16 | 739 |
| | Sursa, James W. (*See* Fletcher & Sursa.) | | | | | |
| | Susemihl, Francis C. L. G. (*See* Miller & Susemihl.) | | | | | |
| 213,004 | Susemihl, Francis C. L. G., assignor of one-half interest to J. Miller, Detroit, Mich. Grain-car door | Mar. 4, 1879 | 274 | 76 | 15 | 332 |
| 8,947 | Susemihl, Francis C. L. G., and H. H. Hewitt, Detroit, Mich, assignors, by mesne assignments, to Hewitt Box Lid Company, Chicago, Ill. Railway-axle-box lid. (Reissue) | Oct. 28, 1879 | 1088 | 287 | 16 | 804 |
| 217,425 | Susemihl, Herman, Elmira, N. Y. Bottle-stopper | July 8, 1879 | 553 | 159 | 16 | 82 |
| | Sutcliff, Robert. (*See* Le Grand & Sutcliff.) | | | | | |
| | Sutphen, Arthur P. (*See* Lathrop, John D., assignor) (Reissue.) | | | | | |
| 222,546 | Sutton, Albert, Arbor Hill, Iowa. Corn and seed planter and roller | Dec. 9, 1879 | 495 | 139 | 16 | 1085 |
| 218,199 | Sutton, John W., New York, N. Y. Archery-bow | Aug. 5, 1879 | 109 | 29 | 16 | 235 |
| 216,238 | Sutton, Thomas H., New York, N. Y. Sink-trap | June 3, 1879 | 236 | 71 | 15 | 915 |
| 214,012 | Suydam, James, Milwaukee, Wis. Plant-sprinkler | Apr. 8, 1879 | 319 | 92 | 15 | 522 |
| | Suydam, Wilson D. (*See* Stoner, John B., assignor.) | | | | | |
| | Svedberg, John A. (*See* Moore & Svedberg.) | | | | | |
| 217,652 | Swain, George W., Brooklyn, N. Y. Nursery-chair | July 15, 1879 | 817 | 233 | 16 | 128 |
| 220,261 | Swain, Hosea D., and D. W. Welton, Concord, N. H. Stove-pipe shelf | Oct. 7, 1879 | 57 | 15 | 16 | 642 |
| | Swamscot Machine Company. (*See* Quinn, Patrick, assignor.) | | | | | |
| 216,358 | Swan, Frank, Joliet, Ill. Barbed fence-wire | June 10, 1879 | 404 | 116 | 15 | 942 |
| 220,444 | Swan, Moses, Hoosick, N. Y. Washing-machine | Oct. 7, 1879 | 257 | 68, 69 | 16 | 670 |
| 213,005 | Swan, Thomas B., Mechanics Falls, Me. Pump | Mar. 4, 1879 | 275 | 76 | 15 | 332 |
| | Swank, John. (*See* Jehnke & Swank.) | | | | | |
| 223,188 | Swanson, Carl J., Stockwell, Ind. Pump | Dec. 30, 1879 | 1247 | 354 | 16 | 1222 |
| 217,246 | Swartley, John S., Chicago, Ill. Dental plugger | July 8, 1879 | 366 | 108 | 16 | 59 |
| 219,128 | Same .... Stone-drill | Sept. 2, 1879 | 78 | 25 | 16 | 423 |
| 211,871 | Swartout, William H., and G. W. Hartley, Salineville, Ohio. Cultivator and corn-planter | Feb. 4, 1879 | 56 | 17 | 15 | 133 |
| | Swartwout, John P., *et al.* (*See* Cole, George P., assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 212, 068 | Swartwout, Thomas, assignor of one-half interest to T. C. Lamb, Chicago, Ill. Artificial-marble veneering | Feb. 4, 1879 | 283 | ..... | 15 | 161 |
| 213, 143 | Swartz, Samuel, Buffalo, N. Y. Hydraulic elevator | Mar. 11, 1879 | 452 | 125 | 15 | 363 |
| 220, 040 | Same ..... same | Sept. 30, 1879 | 1137 | 314 | 16 | 595 |
| | Swayne, Lafayette P. (*See* Ruckel, Samuel R., assignor.) | | | | | |
| 216, 359 | Sweatman, William, Boston, Mass. Overcoat | June 10, 1879 | 404 | 116 | 15 | 943 |
| 212, 763 | Sweatt, James J., Conyersville, Tenn. Thrasher and cleaner for pease, beans, &c | Feb. 25, 1879 | 1099 | 305 | 15 | 284 |
| | Sweeney, Henry M., *et al.* (*See* Sweetland, Jerome B., assignor.) | | | | | |
| | Sweeney, Henry N., *et al.* (*See* Sweetland, Jerome B., assignor.) | | | | | |
| 220, 734 | Sweeney, Joseph J., and W. W. Wetmore, assignors to Winchester Repeating Arms Company, New Haven, Conn. Magazine fire-arm | Oct. 21, 1879 | 613 | 164 | 16 | 733 |
| | Sweeny, Edward. (*See* Walsh, James, assignor.) | | | | | |
| 215, 304 | Sweet, William A., Syracuse, N. Y. Vehicle-spring | May 13, 1879 | 399 | 118 | 15 | 756 |
| 216, 116 | Same ..... same | June 3, 1879 | 114 | 33 | 15 | 899 |
| 216, 117 | Same .... Casting steel ingots | June 3, 1879 | 114 | ..... | 15 | 899 |
| 212, 117 | Sweet, William H. D., Albany, N. Y. Feed water heater | Feb. 11, 1879 | 346 | 94 | 15 | 172 |
| 214, 728 | Sweetland, Jerome B., Pontiac, assignor of one-half interest to H. M. Sweeney and F. B. Hoadley, Detroit, Mich. Fruit-drier | Apr. 22, 1879 | 1180 | 331, 332 | 15 | 647 |
| 220, 189 | Sweetland, Jerome B., Pontiac, assignor of two-thirds interest to A. McPherson and H. N. Sweeney, Detroit, Mich. Fruit-drier | Sept. 30, 1879 | 1315 | 363 | 16 | 621 |
| 211, 943 | Sweetland, William L., Windsor Locks, Conn. Lathe-chuck | Feb. 4, 1879 | 137 | 40 | 15 | 143 |
| 215, 490 | Swenson, Gustaf, Batavia, Ill. Fence-post | May 20, 1879 | 608 | 178 | 15 | 793 |
| | Swenson, Paul, *et al.* (*See* Vleit, John B., assignor.) | | | | | |
| 8, 886 | Swett, Charles, assignor, by mesne assignments, to American Cotton Tie Supply Company. New Orleans, La. Method of fastening cotton-bale ties ..... (Reissue) | Sept. 9, 1879 | 571 | 160 | 16 | 494 |
| 215, 408 | Swett, Edward E., Olean, N. Y. Weight for exploding torpedoes | May 13, 1879 | 495 | 147 | 15 | 769 |
| 211, 803 | Swett, George W., Troy, N. Y. Car-wheel | Jan. 28, 1879 | 863 | 241 | 15 | 118 |
| 219, 541 | Same ..... Manufacture of iron and steel | Sept. 9, 1879 | 548 | ..... | 16 | 491 |
| 217, 653 | Swett, James H., Pittsburg, Pa. Mill for rolling metal | July 15, 1879 | 817 | 233, 234 | 16 | 128 |
| 215, 839 | Swett, Sullivan C., Washington, D. C., assignor to N. Lyon, Albany, N. Y. Heel-plate for boots and shoes | May 27, 1879 | 1002 | 292 | 15 | 853 |
| 213, 144 | Swift, Benjamin, Brooklyn, N. Y. Laundry attachment for stoves | Mar. 11, 1879 | 454 | 126 | 15 | 363 |
| | Swift, D. Wheeler. (*See* Swift, Henry D. and D. W.) | | | | | |
| 215, 690 | Swift, Frank, and L. A. Lyon, Hudson, Mich. Grain-separator | May 20, 1879 | 827 | 242 | 15 | 823 |
| 212, 282 | Swift, Frederick, Mount Vernon, N. Y., assignor to self and F. T. Davis. Carriage | Feb. 11, 1879 | 526 | 147 | 15 | 196 |
| 211, 804 | Swift, Henry D. and D. W., Worcester, Mass., assignors to G. H. Whitcomb & Co. Envelope-machine | Jan. 28, 1879 | 864 | 241, 242 | 15 | 118 |
| 212, 634 | Swift, Henry D. and D. W., assignors to G. H. Whitcomb & Co., Worcester, Mass. Envelope-machine | Feb. 25, 1879 | 968 | 268 | 15 | 266 |
| 217, 247 | Swift, William B., Montreal, Quebec, Canada. Silk-cleaning apparatus | July 8, 1879 | 366 | 108 | 16 | 59 |
| 214, 729 | Swihart, Matthias, Teegarden, Ind. Combined churn and ice-cream freezer | Apr. 22, 1879 | 1181 | 332 | 15 | 647 |
| 217, 654 | Swindell, Henry, Allegheny, Pa. Fuel-feeder for furnaces | July 15, 1879 | 819 | 234 | 16 | 129 |
| 219, 603 | Swindell, William, Allegheny, Pa. Metallurgic gas-furnace | Sept. 16, 1879 | 626 | 174 | 16 | 508 |
| 219, 604 | Same .... Rotary puddling-furnace | Sept. 16, 1879 | 627 | 175 | 16 | 509 |
| 211, 275 | Swinden, Frederick, and A. Buxton, Naugatuck, Conn. Bed-bottom and fire-escape | Jan. 7, 1879 | 215 | 63 | 15 | 28 |
| 215, 027 | Swogger, William H., Mercer County, Pa. Churn-power | May 6, 1879 | 51 | 15 | 15 | 709 |
| 220, 041 | Swogger, William H., New Wilmington, Pa. Churn-power | Sept. 30, 1879 | 1139 | 314 | 16 | 595 |
| 217, 559 | Swope, Isaac, Saint Louis, Mo. Bottle-wrapper | July 15, 1879 | 714 | 203, 204 | 16 | 115 |
| 211, 805 | Sword, George W., Lanark, Ill. Windmill | Jan. 28, 1879 | 865 | 242 | 15 | 118 |
| 214, 470 | Taber, Freeman A., Boston, Mass. Lamp | Apr. 15, 1879 | 874 | 246 | 15 | 601 |
| 218, 596 | Taber, Harlow W., assignor to self, A. Dresser, and J. D. Smith, Roscoe, Dak. Automatic damper | Aug. 12, 1879 | 563 | 159 | 16 | 308 |
| 215, 182 | Taber, Loyal C., Eaton, N. Y. Steam-engine-governor regulator | May 6, 1879 | 225 | 66 | 15 | 731 |
| 219, 998 | Taber, William J., Lookout Station, Wyo. Animal-trap | Sept. 23, 1879 | 1076 | 298 | 16 | 579 |
| 211, 194 | Tackeberry, Nathaniel, Perryville, Mo. Apparatus for carbureting air | Jan. 7, 1879 | 128 | 40 | 15 | 18 |
| 220, 042 | Taft, George W., Abington, Conn. Road-scraper | Sept. 30, 1879 | 1140 | 314, 315 | 16 | 595 |
| 222, 329 | Taft, Gustavus E., assignor to Whitin Machine Works, Whitinsville, Mass. Spinning-frame | Dec. 2, 1879 | 238 | 64, 65 | 16 | 1042 |
| 222, 330 | Same ..... Spinning-frame | Dec. 2, 1879 | 240 | 65 | 16 | 1042 |
| | Taft, Orray A., jr., *et al.* (*See* Vaughan, Henry W., assignor.) | | | | | |
| 213, 145 | Taft, Owen W., New York, N. Y. Bird-seed reservoir | Mar. 11, 1879 | 455 | 126 | 15 | 363 |
| 218, 646 | Taft, Timothy F., Worcester, Mass. Spool | Aug. 19, 1879 | 636 | 179 | 16 | 325 |
| 213, 709 | Taggart, Francis, Brooklyn, N. Y., assignor of one-half interest to L. Langevin, Buenos Ayres, Argentine Confederation. Pneumatic grain-elevator | Mar. 25, 1879 | 1065 | 303 | 15 | 459 |
| 218, 331 | Tagliabue, Charles J., New York, N. Y. Hydrometer-pump | Aug. 5, 1879 | 247 | 68 | 16 | 254 |
| | Tainter, Almon, *et al.* (*See* Dyer, James M., assignor.) | | | | | |
| 214, 324 | Tainter, Jeremiah B., and T. Parker, Menomonee, Wis. Sluice-gate | Apr. 15, 1879 | 718 | 201 | 15 | 581 |
| 219, 183 | Tait, James G., Stockton, Cal. Hotel-server | Sept. 2, 1879 | 137 | 41 | 16 | 430 |
| | Talbot, D. L. (*See* Reed, William, assignor.) | | | | | |
| 219, 184 | Talbot, George L., Mount Pleasant, Iowa. Shank-stiffener for boots and shoes | Sept. 2, 1879 | 138 | 41 | 16 | 430 |
| 214, 966 | Talbott, Allan, Richmond, Va. Spark-arrester | Apr. 29, 1879 | 1450 | 404 | 15 | 690 |
| | Talcott, Caleb M., *et al.* (*See* Fenton & Champlin, assignors.) | | | | | |
| 214, 471 | Talcott, Levi, Minetto, N. Y. Wagon-rack | Apr. 15, 1879 | 875 | 246, 247 | 15 | 601 |
| 222, 099 | Same ..... Fastening for end-gates of wagons | Nov. 25, 1879 | 1131 | 318 | 16 | 994 |
| | Talcott, Walter O. (*See* Budlong & Talcott.) | | | | | |
| | Talcott, William A. (*See* Jones & Emerson, assignors.) | | | | | |
| | Talcott, William A., *et al.* (*See* Nelson, John, assignor.) | | | | | |
| 213, 952 | Talley, James, jr., Kansas City, Mo. Hydraulic engine | Apr. 1, 1879 | 232 | 68 | 15 | 502 |
| 211, 433 | Talley, Reuben J., Harrisville, Tex. Grub-plow and stalk-cutter | Jan. 14, 1879 | 422 | 120 | 15 | 54 |
| | Tallmadge, Henry H. (*See* Miller, Tallmadge & Brown.) | | | | | |
| 212, 118 | Tallman, John C., assignor to L. C. Warner, New York, N. Y. Corset | Feb. 11, 1879 | 347 | 95 | 15 | 172 |
| 213, 358 | Same ..... same | Mar. 18, 1879 | 696 | 194 | 15 | 403 |
| 213, 469 | Tallman, John C., New York, N. Y. Corset | Mar. 18, 1879 | 796 | 225 | 15 | 417 |
| 218, 081 | Tallman, John C., New York, N. Y., assignor to I. D. Warner, Bridgeport, Conn. Corset | July 29, 1879 | 1315 | 377 | 16 | 210 |
| 218, 838 | Tallman, Stephen P., Dunellen, N. J. Automatic car-brake | Aug. 26, 1879 | 873 | 246 | 16 | 368 |
| 222, 163 | Same ..... Car-brake | Dec. 2, 1879 | 52 | 13 | 16 | 1016 |
| 218, 332 | Tally, Stephen, Lewisburg, Tenn. Combined harrow and sod-cutter | Aug. 5, 1879 | 248 | 68 | 16 | 254 |
| 211, 195 | Talpey, Joseph A., Somerville, Mass. Lamp-burner | Jan. 7, 1879 | 130 | 40 | 15 | 18 |
| 216, 470 | Tangen, Andy E., Bismarck, Dak. Propelling apparatus for vessels | June 10, 1879 | 527 | 151 | 15 | 959 |
| 222, 748 | Tanner, James H., Waco, Tex. Combined planter and cultivator | Dec. 16, 1879 | 736 | 211 | 16 | 1130 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216, 471 | Tanner, Theodore F., Jefferson City, Mo. Corn-planter | June 10, 1879 | 528 | 151 | 15 | 959 |
| | Tansley, Thomas, jr. (*See* Gornall, Richard, assignor.) | | | | | |
| 213, 852 | Tapley, Jesse F., Springfield, Mass. Letter-file | Apr. 1, 1879 | 131 | 39 | 15 | 489 |
| | Taplin, Alvin. (*See* Brown & Taplin.) | | | | | |
| 213, 146 | Tarbox, John N., Hamilton, Ontario, Canada. Sewing-machine | Mar. 11, 1879 | 456 | 126 | 15 | 363 |
| 211, 604 | Tarbutt, Percy F., Westminster, England. Card and ticket case | Jan. 21, 1879 | 618 | 174 | 15 | 82 |
| 212, 635 | Tarr, John B., Fairhaven, Mass. Fog and alarm horn | Feb. 25, 1879 | 969 | 268 | 15 | 266 |
| 213, 953 | Tarrant, Esau, Muskegon, Mich. Log roller | Apr. 1, 1879 | 233 | 68 | 15 | 503 |
| 216, 769 | Tarver, John B., Columbus, Ga. Fire-place grate | June 24, 1879 | 879 | 250 | 15 | 1024 |
| 8, 774 | Tasker, Stephen P. M., Philadelphia, Pa. Machine for reducing the diameter of metal tubes (Reissue.) | June 24, 1879 | 1070 | 303 | 15 | 1049 |
| 217, 248 | Same.....Anti-friction journal-box | July 8, 1879 | 368 | 108, 109 | 16 | 59 |
| 217, 249 | Same.....Pipe-coupling | July 8, 1879 | 368 | 109 | 16 | 59 |
| 219, 833 | Same.....Rolling-mill | Sept. 23, 1879 | 902 | 248 | 16 | 555 |
| 223, 077 | Same.....Machine for casting metal tubes | Dec. 30, 1879 | 1129 | 320 | 16 | 1206 |
| 218, 597 | Taskin, Leopold, Jemmepes, Belgium. Pneumatic tunneling apparatus | Aug. 12, 1879 | 564 | 159 | 16 | 308 |
| 222, 369 | Tate, John, Millvale, Pa. Fluxing compound for manufacture of iron | Dec. 9, 1879 | 287 | ..... | 16 | 1058 |
| 220, 190 | Tatham, Henry B., jr., Philadelphia, Pa. Gas or fluid regulator for heaters | Sept. 30, 1879 | 1316 | 363 | 16 | 621 |
| 220, 191 | Same.....Incubator | Sept. 30. 1879 | 1317 | 364 | 16 | 621 |
| 222, 802 | Tatham, William P., Philadelphia, Pa. Air-compressor | Dec. 23, 1879 | 805 | 231 | 16 | 1150 |
| 216, 066 | Tatre, Francis F., Cloud County, Kans. Kiln for calcining limestone, plaster, &c | June 3, 1879 | 66 | 18 | 15 | 893 |
| 218, 692 | Tattersley, Thomas B., West Meriden, Conn. Cigar-perforator | Aug. 19, 1879 | 684 | 194 | 16 | 333 |
| 222, 961 | Same.....Egg stand and holder | Dec. 23, 1879 | 988 | 284 | 16 | 1177 |
| | Tatum, Charles A., *et al.* (*See* Atwater, Richard M., assignor.) | | | | | |
| 212, 764 | Tatum, James M., and R. C. Harvey, Danville, Va. Feed-cutter | Feb. 25, 1879 | 1100 | 305 | 15 | 284 |
| | Taubald, Eduard. (*See* Marx & Taubald.) | | | | | |
| 212, 283 | Tavener, Robert W., assignor to H. H. Norrington, West Bay City, Mich. Faucet | Feb. 11, 1879 | 527 | 147 | 15 | 196 |
| 215, 840 | Taverdon, Ludovic, Paris, France. Mounting diamonds | Mar. 27, 1879 | 1003 | 292 | 15 | 853 |
| 215, 409 | Tayler, John L., Oskaloosa, Iowa. Car-brake | May 13, 1879 | 495 | 147 | 15 | 769 |
| | Taylor, Adrian D., *et al.* (*See* Kidder, George R., assignor) (Reissue.) | | | | | |
| 212, 332 | Taylor, Benjamin K., Alexandria, Pa. Machine for upsetting tires | Feb. 18, 1879 | 594 | 166 | 15 | 208 |
| 217, 427 | Taylor, Burnley, Hanover Court-House, Va. Telegraphic insulator | July 8, 1879 | 555 | 159 | 16 | 82 |
| | Taylor, Charles, *et al.* (*See* Angell, Albert, assignor.) | | | | | |
| 8, 901 | Taylor, Charles A., Chicago, Ill. Trunk (Reissue) | Sept. 16, 1879 | 856 | 235 | 16 | 540 |
| 218, 333 | Taylor, Cyrus, Denver, Colo. Bag-fastener | Aug. 5, 1879 | 249 | 68 | 16 | 254 |
| 220, 889 | Taylor, Edmund B., Portland, Me. Hat-pouncing machine | Oct. 21, 1879 | 787 | 210 | 16 | 756 |
| | Taylor, Elihu B., *et al.* (*See* Gillespie, James E., assignor.) | | | | | |
| 221, 981 | Taylor, Frank C., assignor to J. Q. Wells, Chicago, Ill. Apparatus for painting fence-wire | Nov. 25, 1879 | 1000 | 280 | 16 | 975 |
| | Taylor, Franklin. (*See* Chandler, Thomas E., assignor.) | | | | | |
| | Taylor, Frederic. (*See* Bisbee, Wisner B., assignor.) | | | | | |
| 211, 944 | Taylor, George A., Chicago, Ill. Roofing-tile | Feb. 4, 1879 | 138 | 40 | 15 | 144 |
| 221, 877 | Taylor, George M., Annapolis, Md. Attachment for street-lamps | Nov. 18, 1879 | 859 | 240 | 16 | 947 |
| 219, 781 | Taylor, Henry, assignor of one-third interest to S. H. Harrington, Baltimore, Md. Fire-escape | Sept. 16, 1879 | 823 | 228 | 16 | 536 |
| | Taylor, Herbert, *et al.* (*See* Lyman, Fordyce A., assignor.) | | | | | |
| 8, 845 | Taylor, James, Luzerne, N. Y., assignor of one-half interest to J. T. Outterson. Wood-pulp engine (Reissue) | Aug. 12, 1879 | 588 | 165 | 16 | 311 |
| 8, 877 | Taylor, James, Luzerne, and J. T. Outterson, Palmer Falls, N. Y. Manufacture of paper-pulp from wood (Reissue) | Sept. 2, 1879 | 325 | 92 | 16 | 453 |
| 218, 409 | Taylor, James, assignor of one-half interest to O. H. Watson and W. J. Hasselman, Indianapolis, Ind. Car-wheel | Aug. 12, 1879 | 343 | 95 | 16 | 277 |
| 221, 125 | Taylor, James, assignor to E. F. Phillips, Providence, R. I. Flexible gas-tubing | Oct. 28, 1879 | 1070 | 283 | 16 | 802 |
| 223, 189 | Taylor, James B., West Hurley, N. Y. Potato-digger | Dec. 30, 1879 | 1248 | 354 | 16 | 1222 |
| 214, 730 | Taylor, John H., and R. W. Miller, New Haven, Conn. Lubricator | Apr. 22, 1879 | 1182 | 332 | 15 | 647 |
| 215, 691 | Taylor, Joseph, Placerville, Cal. Brake-shoe stamp | May 20, 1879 | 828 | 242 | 15 | 823 |
| 215, 991 | Taylor, Joseph, and J. E. Rice, Paintsville, Ky. Corn-planter | May 27, 1879 | 1157 | 336 | 15 | 873 |
| 217, 168 | Taylor, Joseph E., Frankfort, Ind. Churn | July 1, 1879 | 267 | 79 | 16 | 37 |
| | Taylor, Julia R. (*See* Taylor, Zachary, assignor.) | | | | | |
| | Taylor, Mary M., administratrix. (*See* Le Doyt, Biel, assignor.) | | | | | |
| | Taylor, Newton W. (*See* Appel, Daniel, assignor.) | | | | | |
| | Taylor, N. W. (*See* Pettee, Simon E., assignor.) | | | | | |
| 213, 359 | Taylor, Oliver H., Brooklyn, N. Y., assignor of one-half interest to L. M. Promis, Philadelphia, Pa. Sewing-machine treadle | Mar. 18, 1879 | 696 | 195 | 15 | 403 |
| 220, 192 | Taylor, Oliver H., Brooklyn, N. Y. Sewing-machine treadle | Sept. 30, 1879 | 1318 | 364 | 16 | 621 |
| 218, 082 | Taylor, Reuben L., Delaware County, Iowa. Staple-puller | July 29, 1879 | 1316 | 378 | 16 | 210 |
| 218, 083 | Same..... Pinchers | July 29, 1879 | 1316 | 278 | 16 | 210 |
| 221, 878 | Taylor, Reuben L., Manchester, Iowa. Fence-post | Nov. 18, 1879 | 859 | 240 | 16 | 947 |
| 217, 426 | Taylor, Samuel, assignor of one-third interest to J. Yates, Bridgeport, Conn. Sash-fastener | July 8, 1879 | 554 | 159 | 16 | 82 |
| 8, 795 | Taylor, Samuel C., Toledo, Ohio, assignor to H. D. Justi. Dental instrument (Reissue) | July 8, 1879 | 581 | 167 | 16 | 86 |
| | Taylor, Thomas. (*See* Thomas, Taylor & Burridge.) | | | | | |
| 213, 470 | Taylor, Thomas B., Mount Meigs, Ala. Cotton-press | Mar. 18, 1879 | 797 | 225 | 15 | 417 |
| 214, 205 | Same.....Poison-distributer | Apr. 8, 1879 | 551 | 157 | 15 | 550 |
| 214, 967 | Same.....Smoke and cinder fender for railway-trains | Apr. 29, 1879 | 1450 | 404 | 15 | 690 |
| 216, 472 | Taylor, Thomas R., Kansas City, Mo. Separator for Indian corn | June 10, 1879 | 529 | 152 | 15 | 959 |
| 221, 629 | Taylor, Thomas S., Fort Wayne, Ind. Car-starter | Nov. 11, 1879 | 566 | 157 | 16 | 900 |
| 217, 169 | Taylor, Warren B., Sharon, Pa. Head-rest for car-seats | July 1, 1879 | 268 | 79 | 16 | 37 |
| 221, 752 | Taylor, Warren B., Cleveland, Ohio. Head-rest | Nov. 18, 1879 | 709 | 198 | 16 | 928 |
| 212, 636 | Taylor, Warren H., assignor to Yale Lock Manufacturing Company, Stamford, Conn. Lock | Feb. 25, 1879 | 971 | 269 | 15 | 266 |
| 213, 006 | Same .....same | Mar. 4, 1879 | 276 | 77 | 15 | 332 |
| 218, 200 | Same.....Padlock | Aug. 5, 1879 | 111 | 29, 30 | 16 | 235 |
| 212, 069 | Taylor, William A., Washington, D. C. Horseshoe-pad | Feb. 4, 1879 | 284 | 77 | 15 | 161 |
| | Taylor, William W. (*See* Anthony & Taylor.) | | | | | |
| | Taylor, W. S., *et al.* (*See* Sanford, Sylvester, assignor.) | | | | | |
| 218, 839 | Taylor, Zachary, assignor to J. R. Taylor, Clyde, Ohio. Front-lace corset | Aug. 26, 1879 | 875 | 246 | 16 | 368 |
| 213, 853 | Tayman, Benjamin J., Philadelphia, Pa. Apparatus for destroying offensive odors | Apr. 1, 1879 | 132 | 39 | 15 | 490 |
| 222, 100 | Tchorniac, Joseph, and U. Günzburg, Paris, France. Apparatus for making sulpho-cyanides | Nov. 25, 1879 | 1132 | 319 | 16 | 994 |
| 222, 547 | Same.....Process of and apparatus for making ferro-cyanides | Dec. 9, 1879 | 496 | 140 | 16 | 1085 |
| | Teague, Charles E. (*See* Winter, David T., assignor.) | | | | | |
| 213, 954 | Teal, B. Frank, Philadelphia, Pa, Refrigerating apparatus | Apr. 1, 1879 | 234 | 68 | 15 | 503 |
| 214, 472 | Teamer, William, Evansville, Ind. Sausage-stuffing machine | Apr. 15, 1879 | 876 | 247 | 15 | 602 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 215,410 | Teamer, William, Evansville, Ind. Corn-drill | May 13, 1879 | 496 | 147 | 15 | 769 |
| 217,428 | Teas, Andrew, assignor of one-third interest to N. Van Ness, Newark, N.J. Leather-cutting machine | July 8, 1879 | 556 | 159, 160 | 16 | 82 |
| | Teas, Noble. (*See* Cahoone & Teas.) | | | | | |
| 219,036 | Teass, John R., Saint Albans, W. Va. Corn and rice planter | Aug. 26, 1879 | 1089 | 306 | 16 | 397 |
| | Tebbets, James E. (*See* Kinsman, William S., assignor.) | | | | | |
| 218,903 | Tebo, Joseph, 2d, Marlborough, Mass. Shoe | Aug. 26, 1879 | 953 | 267 | 16 | 379 |
| 215,692 | Tebow, Theodore, Lexington, Ky. Machine for dressing hemp, flax, &c | May 20, 1879 | 829 | 242 | 15 | 823 |
| | Teeguarden, William R. (*See* Greene, George W., assignor.) | | | | | |
| 213,710 | Tees, Frederick G., assignor to L. Sternberger, Philadelphia, Pa. Power-driven device for sewing-machines | Mar. 25, 1879 | 1067 | 303 | 15 | 459 |
| 213,711 | Same.....Clutching and braking device for power-driven sewing-machines | Mar. 25, 1879 | 1068 | 304 | 15 | 460 |
| 214,534 | Telfer, Andrew, and W. Collins, Boston, Mass., assignors to said A. Telfer. Tube-welding mandrel | Apr. 22, 1879 | 974 | 274 | 15 | 621 |
| 214,535 | Telfer, Andrew, Boston, Mass. Tube-welding mandrel | Apr. 22, 1879 | 975 | 274 | 15 | 621 |
| 215,183 | Temby, Joseph W., Dallas, Tex. Fence | May 6, 1879 | 226 | 66 | 15 | 731 |
| 214,968 | Temple, Ansel F., Montague, Mich., assignor to W. F. Temple, jr., Boston, Mass. Machine for coating fire-kindlers | Apr. 29, 1879 | 1451 | 404 | 15 | 691 |
| 214,969 | Same.....Fire-kindler | Apr. 29, 1879 | 1452 | 404 | 15 | 691 |
| 218,794 | Same.....Machine for making fire-kindlers | Aug. 19, 1879 | 792 | 225 | 16 | 347 |
| 219,185 | Temple, Ansel F., Montague, Mich. Curtain-fixture | Sept. 2, 1879 | 138 | 42 | 16 | 430 |
| 222,101 | Temple, Ansel F., Montague, Mich., assignor to W. F. Temple, jr., Boston, Mass. Boring-tool | Nov. 25, 1879 | 1132 | 319 | 16 | 994 |
| | Temple, William F., jr. (*See* Seelye, Nathan L., assignor.) | | | | | |
| | Same.....(*See* Temple, Ansel F., assignor.) | | | | | |
| | Templin, Thomas T. (*See* Worthington & Templin.) | | | | | |
| 217,429 | Tener, Commodore P., New Market, Ohio, assignor to R. M. Hopkins, Yorkville, Ill. Combined finger-nail cleaner and envelope-opener | July 8, 1879 | 557 | 170 | 16 | 82 |
| 212,333 | Ten Eyck, Maning F., Warwick, N. Y. Thill-coupling | Feb. 18, 1879 | 595 | 166 | 15 | 208 |
| 216,067 | Tenney, James F., Chicago, and J. H. Reese, Austin, Ill. Hand-stamp | June 3, 1879 | 66 | 18 | 15 | 893 |
| | Tenney, Alban. (*See* Pond & Tenney.) | | | | | |
| | Tennis, Charles W. (*See* Preston, Tennis & Hamilton.) | | | | | |
| 216,583 | Terrill, Will, San Antonio, Tex. Bag-fastener | June 17, 1879 | 660 | 187 | 15 | 986 |
| | Terrill, Anderson W., *et al.* (*See* Gilliland & Wayland, assignors.) | | | | | |
| | Terrill, Lomdus F. (*See* Powell, Edwin R., assignor.) | | | | | |
| | Terry & Co., Andrew. (*See* Hunter, Orange D., assignor.) | | | | | |
| 216,360 | Terry, E. Clinton, Terryville, assignor of one-half interest to G. H. Seyms, Hartford, Conn. Rotary water-meter | June 10, 1879 | 405 | 116, 117 | 15 | 943 |
| 218,084 | Terry, Ira C., and G. H. Sauer, Saint Louis, Mo. Car-axle box | July 29, 1879 | 1317 | 378 | 16 | 210 |
| | Terry, Herbert J. (*See* Terry, Jabez C. and H. J.) | | | | | |
| 222,962 | Terry, Jabez C. and H. J., Springfield, Mass. Button-lathe | Dec. 23, 1879 | 989 | 284 | 16 | 1177 |
| 222,963 | Terry, Jabez C., Springfield, Mass. Button-blank-turning lathe | Dec. 23, 1879 | 992 | 285 | 16 | 1177 |
| | Terry, Samuel S., *et al.* (*See* Sager, Conrad W., assignor.) | | | | | |
| | Terstegge, Gohmann & Co. (*See* Kuhn, Edmund, assignor.) | | | | | |
| 216,361 | Terstegge, Henry R. H., and F. H. Gohmann, New Albany, Ind. Stove-fender | June 10, 1879 | 407 | 117 | 15 | 943 |
| | Teter, John, *et al.* (*See* Snell, Jasper, assignor.) | | | | | |
| 212,160 | Teter, William L., Philadelphia, Pa. Millstone-setting | Feb. 11, 1879 | 391 | 107 | 15 | 178 |
| 217,303 | Same.....Bolting-reel | July 8, 1879 | 422 | 125 | 16 | 66 |
| 222,429 | Thacker, Samuel, Nottingham, Nottingham County, England. Steam and other boilers | Dec. 9, 1879 | 356 | 100, 101 | 16 | 1067 |
| | Thatcher, George L. (*See* Thatcher, Jay and G. L.) | | | | | |
| 214,063 | Thatcher, Isaac M., and J. Decker, Cleveland, Ohio. Mustache-guard | Apr. 8, 1879 | 387 | 109 | 15 | 530 |
| 211,434 | Thatcher, Jay, Altona, and G. L. Thatcher, Elmwood, Ind. Hog-trap | Jan. 14, 1879 | 422 | 120 | 15 | 54 |
| | Thatcher, W. S. (*See* Barker, George E., assignor.) | | | | | |
| | Thayer, Edward, *et al.* (*See* Vaughan, Henry W., assignor.) | | | | | |
| 217,831 | Thayer, George B, Concord, assignor to R. A. Thayer, Randolph, Mass. Paper-fastener | July 22, 1879 | 1028 | 295 | 16 | 166 |
| 213,007 | Thayer, Hiram H., New York, N. Y. Safety-pin | Mar. 4, 1879 | 277 | 77 | 15 | 332 |
| 222,750 | Same.....Neck-tie tip | Dec. 16, 1879 | 738 | 212 | 16 | 1130 |
| 220,682 | Thayer, James M., Randolph, Mass. Oil-cabinet | Oct. 14, 1879 | 541 | 143 | 16 | 715 |
| | Thayer, Jesse B. (*See* Cook & Thayer.) | | | | | |
| | Thayer, Newton. (*See* Thayer, William and N.) | | | | | |
| | Thayer, Rufus A. (*See* Thayer, George B., assignor.) | | | | | |
| 218,598 | Thayer, Thaddeus, Norwood, N. Y. Machine for raising and moving heavy bodies | Aug. 12, 1879 | 566 | 160 | 16 | 308 |
| 215,491 | Thayer, William and N., Westerville, Ohio. Middlings-separator | May 20, 1879 | 609 | 179 | 15 | 793 |
| 217,832 | Thayer, William H., Nashua, N. H. Mop-head | July 22, 1879 | 1029 | 295 | 16 | 166 |
| 217,833 | Thayer, William H., Providence, R. I. Mop-wringer | July 22, 1879 | 1031 | 295 | 16 | 166 |
| | Thisell, Earl A., *et al.* (*See* Coburn, John H., assignor) .....(Reissue.) | | | | | |
| | Thom, Joel J. (*See* Vaughan & Thom.) | | | | | |
| 218,338 | Thomas, Charles N., assignor to J. P. Lockey and T. J. Rockwood, Leominster, Mass. Button-machinery | Aug. 5, 1879 | 255 | 69 | 16 | 254 |
| 218,904 | Thomas, Chauncey, Boston, Mass. Clasp | Aug. 26, 1879 | 954 | 267 | 16 | 379 |
| | Thomas Clock Company, Seth. (*See* Bradley, Dudley W., assignor.) | | | | | |
| 211,356 | Thomas, David, T. Taylor, and T. H. Burridge, Saint Louis, Mo. Expanding pulley | Jan. 14, 1879 | 336 | 98 | 15 | 44 |
| 219,038 | Thomas, Eddy T., New York, N. Y., assignor to Gold Medal Sewing Machine Company, Orange, Mass. Sewing-machine | Aug. 26, 1879 | 1054 | 307 | 16 | 397 |
| 220,890 | Thomas, Eddy T., New York, N. Y., assignor of one-half interest to J. Bancroft, Philadelphia, Pa. Treadle | Oct. 21, 1879 | 788 | 210 | 16 | 756 |
| | Thomas, Edward. (*See* Seymour & Thomas.) | | | | | |
| 215,412 | Thomas, Frank, and J. Smith, Cincinnati, Ohio; said Thomas assignor to said Smith. Ironing-machine | May 13, 1879 | 499 | 148 | 15 | 770 |
| | Thomas, George C., *et al.* (*See* Lespinasse, John B. R., assignor.) | | | | | |
| 211,945 | Thomas, George W., assignor of one-half interest to J. H. Kennedy, Philadelphia, Pa. Combined chimney-holder and air-distributer | Feb. 4, 1879 | 139 | 40 | 15 | 144 |
| | Thomas, Granville M., *et al.* (*See* Mayo & Noyes, assignors.) | | | | | |
| 218,085 | Thomas, Griffith B., Point Pleasant, W. Va. Iron roofing | July 29, 1879 | 1318 | 375 | 16 | 210 |
| 212,119 | Thomas, Henry W. C., Springfield, Ohio. Whip-socket | Feb. 11, 1879 | 348 | 95 | 15 | 172 |
| 220,000 | Same .....Whip-socket fastener | Sept. 23, 1879 | 1078 | 299 | 16 | 580 |
| 8,751 | Thomas, James, Oxmoor, Ala. Apparatus for opening and closing blast-furnace tops .....(Reissue) | June 10, 1879 | 558 | 159 | 15 | 964 |
| 213,008 | Thomas, James, Boston, Mass. Hat | Mar. 4, 1879 | 278 | 77, 78 | 15 | 332 |
| 215,411 | Same.....Manufacture of felt-hats | May 13, 1879 | 498 | 148 | 15 | 770 |
| | Thomas, John. (*See* Crossley, Morley & Thomas.) | | | | | |
| 223,078 | Thomas, John H., Springfield, Ohio. Horse hay-rake | Dec. 30, 1879 | 1131 | 320, 321 | 16 | 1206 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 218,796 | Thomas, John J., Selma, Ala. Spring-equalizer for car-trucks | Aug. 19, 1879 | 793 | 226 | 16 | 348 |
| 219,999 | Thomas, John W., Tyrone, Pa. Clothes-tongs | Sept. 23, 1879 | 1077 | 299 | 16 | 580 |
| 211,435 | Thomas, Leopold, Hoboken, N. J. Button-hole attachment for sewing-machines | Jan. 14, 1879 | 423 | 120 | 15 | 54 |
| 221,478 | Thomas, Levi H., Reading, Mich. Sieve | Nov. 11, 1879 | 399 | 109 | 16 | 875 |
| | Thomas, Philip. (*See* Beals & Thomas.) | | | | | |
| 216,910 | Thomas, Sidney G., 3 Queens Road Villas, Surrey County, England. Dephosphorizing iron | June 24, 1879 | 1036 | ..... | 15 | 1044 |
| 217,495 | Thomas, Sidney G., Queens Road Villas, Surrey County, England. Manufacture of Bessemer steel | July 15, 1879 | 644 | ..... | 16 | 106 |
| 217,962 | Same.....Manufacture of steel | July 29, 1879 | 1186 | ..... | 16 | 193 |
| 218,334 | Thomas, Sidney G., London, England. Manufacture of refractory basic bricks and furnace-linings | Aug. 5, 1879 | 249 | ..... | 16 | 254 |
| 218,335 | Same.....Refractory furnace-linings | Aug. 5, 1879 | 251 | ..... | 16 | 254 |
| 218,336 | Same.....Manufacture of refractory furnace-linings and refractory bricks | Aug. 5, 1879 | 252 | ..... | 16 | 254 |
| 220,735 | Thomas, Thomas S., and J. R. Powell, Plymouth, Pa. Blasting-squib | Oct. 21, 1879 | 615 | 164 | 16 | 733 |
| | Thomas, Timothy. (*See* Davies, Jones & Thomas.) | | | | | |
| 212,411 | Thomas, William, London, England. Corset | Feb. 18, 1879 | 682 | 190 | 15 | 220 |
| 217,834 | Thomas, William, Jersey City, N. J. Air-compressor | July 22, 1879 | 1032 | 296 | 16 | 166 |
| 218,337 | Thomas, William W., Jersey City, assignor to D. B. Grant, trustee, Paterson, N. J., D. S. Grant, New York, N. Y., and E. D. McCracken, Paterson, N. J. Hydrocarbon-burner | Aug. 5, 1879 | 253 | 69 | 16 | 254 |
| | Thompson, Arthur F. (*See* Miner, Henry A., assignor.) | | | | | |
| 8,889 | Thompson, Benjamin, and C. Selden, Toledo, Ohio. Application of the condenser to multiple telegraphs (Reissue) | Sept. 9, 1879 | 574 | 160 | 16 | 494 |
| 217,304 | Same.....Application of the condenser to multiple telegraphs | July 8, 1879 | 423 | 125 | 16 | 66 |
| 215,492 | Thompson, Charles E., Stockton, Cal. Fire-lighter for engines | May 20, 1879 | 610 | 179 | 15 | 793 |
| 215,079 | Thompson, Charles S., Baltimore, Md. Bottle-stopper and stopper-fastener | May 6, 1879 | 106 | 32 | 15 | 716 |
| 211,436 | Thompson, Clark W., Wells, Minn. Machine for cutting veneers | Jan. 14, 1879 | 425 | 120, 121 | 15 | 54 |
| 212,070 | Thompson, Craven, J. F. Petty, and J. D. Cohee, Frankfort, Ind. Washing-machine | Feb. 4, 1879 | 285 | 77 | 15 | 161 |
| 222,102 | Thompson, Daniel T., and W. M. Gray, Waynetown, Ind. Drag-sawing machine | Nov. 25, 1879 | 1133 | 319 | 16 | 994 |
| 218,086 | Thompson, Edmund A., Amherst, Mass. Hat | July 29, 1879 | 1319 | 379 | 16 | 210 |
| 214,325 | Thompson, Everet M., Chicago, Ill. Paper-box machine | Apr. 15, 1879 | 719 | 201, 202 | 15 | 581 |
| 8,981 | Thompson, Edward H., Washington, D. C., assignor to W. A. Amberg. Temporary binder (Reissue) | Nov. 25, 1879 | 1155 | 325 | 16 | 997 |
| 217,430 | Thompson, Frederick, Wakefield, and W. H. Williamson, Leeds, York County, Great Britain. Machine for purifying and assorting semolino, &c | July 8, 1879 | 557 | 160, 161 | 16 | 82 |
| | Thompson, George F., jr., administrator. (*See* Crosby & Thompson.) | | | | | |
| 213,078 | Thompson, Harvey S., Oakdale, Pa. Clothes-horse | Mar. 11, 1879 | 368 | 104 | 15 | 352 |
| 213,955 | Thompson, Henry A., Farmington, Me. Metallic socket for shovels and spades | Apr. 1, 1879 | 235 | 68 | 15 | 503 |
| 215,184 | Same ... Heel-stiffener for boots and shoes | May 6, 1879 | 226 | 67 | 15 | 731 |
| | Thompson, Henry B. (*See* Wade, Edward, assignor.) | | | | | |
| 214,796 | Thompson, Henry B., Philadelphia, Pa. Hand-protector for driving | Apr. 29, 1879 | 1274 | 356 | 15 | 667 |
| | Thompson, Henry G., trustee. (*See* Hatch, Jesse W., assignor) (Reissue.) | | | | | |
| | Same.....(*See* Mower, Samuel E., assignor.) | | | | | |
| 212,824 | Thompson, Henry G., assignor to self as trustee of Magnetic Lasting Machine Association, Milford, Conn. Lasting-machine | Mar. 4, 1879 | 50 | 16 | 15 | 304 |
| 220,445 | Thompson, Isaac L., Allegheny, Pa. Apparatus for cleaning boilers of mud | Oct. 7, 1879 | 257 | 69 | 16 | 670 |
| 222,211 | Thompson, James, Camden, N. J. Building-block | Dec. 2, 1879 | 109 | 27 | 16 | 1023 |
| | Thompson, James C., *et al.* (*See* Dyer, James M., assignor.) | | | | | |
| 211,276 | Thompson, Jesse G., Clarion, Pa. Mail-bag | Jan. 7, 1879 | 216 | 63 | 15 | 28 |
| | Thompson, John. (*See* Michales & Bald, assignors.) | | | | | |
| | Thompson, John C. (*See* Howard, Cornelius A., assignor.) | | | | | |
| 213,307 | Thompson, John C., New Haven, Conn. Gun-stock | Mar. 18, 1879 | 641 | 181 | 15 | 395 |
| | Thompson, John D., *et al.* (*See* Epping, Henry, assignor.) | | | | | |
| 220,262 | Thompson, John F., Troy, N. Y. Low-water alarm for steam-boilers | Oct. 7, 1879 | 58 | 15 | 16 | 642 |
| 218,795 | Thompson, Lawrence, Millwood, Ohio. Pruning-machine for vines and plants | Aug. 19, 1879 | 793 | 225 | 16 | 348 |
| | Thompson, N. C. (*See* Flenniken & Hall, assignors.) | | | | | |
| | Same.....(*See* Flenniken, Theodore M., assignor.) | | | | | |
| 217,027 | Thompson, Orrin B., Jersey, Ohio. Vehicle-axle | July 1, 1879 | 109 | 32 | 16 | 16 |
| | Thompson, Perley & Waite. (*See* Patten, George M., assignor.) | | | | | |
| | Same.....(*See* Stevens, Asher B., assignor.) | | | | | |
| 221,982 | Thompson, Robert A., Montrose, Mo. Draft-equalizer | Nov. 25, 1879 | 1001 | 280 | 16 | 975 |
| | Thompson, Robert M. (*See* Bottoms, Thomas J., assignor.) | | | | | |
| | Thompson, Thomas J. (*See* Cubley, Edwin J., assignor.) | | | | | |
| 220,553 | Thompson, Washington C., Covington, Ky. Planter and cultivator | Oct. 14, 1879 | 397 | 103, 104 | 16 | 696 |
| | Thompson, William P. (*See* McIlvenna & Thompson.) | | | | | |
| | Thomson, Elihu. (*See* Houston & Thomson.) | | | | | |
| 220,507 | Thomson, Elihu, and E. J. Houston, assignors of one-third interest to T. H. McCollin, Philadelphia, Pa. Galvanic-battery cell | Oct. 14, 1879 | 338 | 90 | 16 | 689 |
| 220,508 | Thomson, Elihu, and E. J. Houston, Philadelphia, Pa. Regulator for electric lamps | Oct. 14, 1879 | 340 | 90 | 16 | 689 |
| 220,948 | Thomson, Elihu, and E. J. Houston, assignors of one-third interest to T. H. McCollin, Philadelphia, Pa. Process and apparatus for the storage of electricity | Oct. 28, 1879 | 871 | 233 | 16 | 776 |
| 217,963 | Thomson, James, Cincinnati, Ohio. Belting | July 29, 1879 | 1186 | 339 | 16 | 193 |
| 223,190 | Thomson, John, assignor of one-half interest to J. A. Sherriff, Aledo, Ill. Check-row attachment to corn-planters | Dec. 30, 1879 | 1250 | 354 | 16 | 1223 |
| 211,643 | Thomson, Robert J., Montreal, Canada. Skate-fastener | Jan. 28, 1879 | 681 | 191 | 15 | 93 |
| | Thomson, William, *et al.* (*See* Munn, Francis, assignor.) | | | | | |
| 221,431 | Thorn, Joseph W., assignor of one-half interest to G. W. Miller, Iuka, Miss. Cotton-cleaner | Nov. 11, 1879 | 342 | 94 | 16 | 868 |
| | Thorn Wire Hedge Company. (*See* Peacock, Elijah P., assignor.) | | | | | |
| | Thorne, George L. (*See* Wright & Thorne.) | | | | | |
| 215,992 | Thornton, John, Philadelphia, Pa. Button-card | May 27, 1879 | 1158 | 337 | 15 | 873 |
| 216,362 | Thornton, William M. K., Saint Louis, Mo. Locomotive smoke-stack and spark-arrester | June 10, 1879 | 407 | 117 | 15 | 943 |
| 216,363 | Same.....Locomotive smoke-stack and spark arrester | June 10, 1879 | 409 | 117 | 15 | 943 |
| 211,437 | Thorp, Alfred H., New York, N. Y. Chimney-block | Jan. 14, 1879 | 429 | 121 | 15 | 55 |
| 213,595 | Thorp, Henry H., New York, N. Y. Type-case | Mar. 25, 1879 | 944 | 269 | 15 | 443 |
| 211,277 | Thorp, James H., New York, N. Y. Mold for producing inlaid tiling | Jan. 7, 1879 | 217 | 63 | 15 | 28 |
| 213,790 | Same.....Grave or tomb | Apr. 1, 1879 | 64 | 20, 21 | 15 | 481 |
| 221,630 | Same.....Manufacture of artificial marble and stone | Nov. 11, 1879 | 568 | ..... | 16 | 900 |
| 222,548 | Thorp, Lucien G., assignor to F. Schumacher, Akron, Ohio. Oatmeal-machine | Dec. 9, 1879 | 498 | 140 | 16 | 1085 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 219, 419 | Thorp, Thomas J., assignor of one-half interest to C. J. Barnes, Chicago, Ill. Metallic binder for books | Sept. 9, 1879 | 427 | 119 | 16 | 474 |
| | Thorpe, Charles N., *et al.* (*See* Mueller, Theodore, assignor.) | | | | | |
| | Thuenen, Henry. (*See* Pruessing, Richard, assignor.) | | | | | |
| 216, 812 | Thum, Mandeville, Louisville, Ky. Eyeglass | June 24, 1879 | 927 | 264 | 15 | 1030 |
| 215, 413 | Thurber, George B., Upton, Quebec, Canada, assignor to J. A. Thurber, New Orleans, La. Railway-tank apparatus | May 13, 1879 | 501 | 148 | 15 | 770 |
| | Thurber, Horace K. (*See* Jones, Jacob G., assignor.) | | | | | |
| | Thurber, John A. (*See* Thurber, George B., assignor.) | | | | | |
| 214, 064 | Thurber, Milton R., Nicholson, Pa., assignor to J. Malter and A. Harvey. Vehicle-spring | Apr. 8, 1879 | 387 | 109 | 15 | 530 |
| 221, 197 | Thurber, Milton R., assignor of one-fourth interest to W. I. Beckwith, Scranton, Pa. Bridle | Nov. 4, 1879 | 64 | 17 | 16 | 821 |
| 215, 693 | Thurman, Fendal D., Atlanta, Ga. Harness | May 20, 1879 | 831 | 242 | 15 | 823 |
| 222, 331 | Same ..... same | Dec. 2, 1879 | 242 | 65 | 16 | 1042 |
| 316, 068 | Thurston, Allfo L., West Salem, Wis. Coin-holding attachment | June 3, 1879 | 67 | 19 | 15 | 893 |
| | Thurston, Isaac. (*See* Houston, Edward T., assignor.) | | | | | |
| 213, 009 | Thurston, Lycurgus, assignor of one-half interest to J. Vandenburg, Findlay, Ohio. Sun-dial | Mar. 4, 1879 | 279 | 78 | 15 | 333 |
| 214, 266 | Tibbetts, Charles H., Edenburg (Knox Post-Office), assignor of one-half interest to S. A. and F. W. Groves, Bradford, Pa. Boot-leg support | Apr. 8, 1879 | 552 | 157 | 15 | 550 |
| 217, 170 | Tibbetts, Edward B., Holyoke, Mass. Trumpet-guide for carding-machines | July 1, 1879 | 269 | 79 | 16 | 37 |
| 213, 010 | Tichenor, James M., Irvington, N. J. Baling-press | Mar. 4, 1879 | 280 | 78 | 15 | 333 |
| 212, 871 | Tidball, William A., and A. E. Spencer, Chicago, Ill. Adjustable stand-pipe and ladder | Mar. 4, 1879 | 104 | 31 | 15 | 311 |
| | Tiers, Alexander H., *et al.* (*See* Pendleton, John H., assignor.) | | | | | |
| | Tiers, Cornelius, *et al.* (*See* Pendleton, John H., assignor.) | | | | | |
| 218, 462 | Tiesing, Frank W., and S. V. Kennedy, assignors to E. Whitney, New Haven, Conn. Magazine-gun | Aug. 12, 1879 | 414 | 114 | 16 | 284 |
| 222, 749 | Tiesing, Frank W., New Haven, Conn. Magazine fire-arm | Dec. 16, 1879 | 737 | 212 | 16 | 1130 |
| | Tietjens, Jochim C. (*See* Morrison & Tietjens.) | | | | | |
| 211, 533 | Tiffany, Albert R., assignor of one-half interest to J. J. Leland, Dayton, Ohio. Car-axle-box lid | Jan. 21, 1879 | 534 | 151 | 15 | 71 |
| 213, 956 | Tiffany, Eli, assignor of one-half interest to C. Cooper, Bennington, Vt. Knitting-machine | Apr. 1, 1879 | 235 | 69, 70 | 15 | 503 |
| 214, 207 | Tiffany, John C., Xenia, Ohio. Press for extracting oils from seed, &c | Apr. 8, 1879 | 553 | 157, 158 | 15 | 550 |
| | Tigges, Franz. (*See* Jaekel & Tigges.) | | | | | |
| | Tighe, James T. (*See* Fitzgerald, Thomas, jr., assignor.) | | | | | |
| 217, 171 | Tilden, Henry, Kellogg, Iowa. Preparation of corn for food | July 1, 1879 | 269 | ..... | 16 | 37 |
| 221, 005 | Tilley, Edwin M., East Greenwich, R. I. Beer-cooler | Oct. 28, 1879 | 946 | 252 | 16 | 786 |
| | Tillinghast, John A. (*See* Vanstone, Samuel, assignor.) | | | | | |
| 216, 631 | Tillinghast, Joseph J., Troy, N. Y. Seal-lock | June 17, 1879 | 710 | 203 | 15 | 993 |
| 216, 632 | Same ..... Lunch-pail | June 17, 1879 | 711 | 203 | 15 | 993 |
| 222, 332 | Tillmes, August, Philadelphia, Pa. Cartridge | Dec. 2, 1879 | 242 | 66 | 16 | 1042 |
| | Tillon, Walter G. (*See* Essick, Clapp & Tillon.) | | | | | |
| 218, 599 | Tilly, James L., Shreveport, La. Hame-fastening | Aug. 12, 1879 | 566 | 160 | 16 | 308 |
| 213, 360 | Tilton, Mary P. R., Philadelphia, Pa. Ventilated pillow, mattress, &c | Mar. 18, 1879 | 697 | 195 | 15 | 403 |
| 211, 806 | Tilton, Ole, Pittsburg, Pa. Wash-boiler | Jan. 28, 1879 | 866 | 242 | 15 | 118 |
| 217, 431 | Tilton, Stephen S., San Francisco, Cal. Automatic sewer-gate | July 8, 1879 | 560 | 161 | 16 | 83 |
| 217, 754 | Timby, Theodore R., Nyack, N. Y. Ore and rock crusher | July 22, 1879 | 945 | 271 | 16 | 155 |
| 215, 694 | Timlin, David J., Florisant, Mo. Spark-arrester | May 20, 1879 | 831 | 243 | 15 | 823 |
| 223, 191 | Same ..... Spark-arrester for smoke-stacks | Dec. 30, 1879 | 1251 | 354 | 16 | 1223 |
| 217, 432 | Timofeeff, Pavel P., St. Petersburg, Russia. Gas-lamp | July 8, 1879 | 562 | 161 | 16 | 83 |
| | Tincher, Obed N. (*See* Pope & Tincher.) | | | | | |
| | Tinker, Charles O., *et al.* (*See* Wettich, Augustus F., assignor.) | | | | | |
| 8, 892 | Tinker Melvin A., Fairfield, Ill. Washing-machine ..... (Reissue) | Sept. 9, 1879 | 579 | 161 | 16 | 494 |
| 218, 087 | Same .... Wash-boiler | July 29, 1879 | 1326 | 379 | 16 | 210 |
| 213, 596 | Tinkham, Howard A., Norton, assignor to Magee Furnace Company, Boston, Mass. Attachment for stoves | Mar. 25, 1879 | 945 | 269 | 15 | 443 |
| 211, 532 | Tinnerholm, Charles J., Brooklyn, assignor, by mesne assignments, to Hammonassett Sole Leather Company. Composition for removing hair and grease from hides | Jan. 21, 1879 | 533 | ..... | 15 | 71 |
| 220, 736 | Tirrill, Oakes, Brooklyn, N. Y. Gas-burner | Oct. 21, 1879 | 616 | 165 | 16 | 733 |
| 219, 834 | Tischer, Frederick, Chambersburg, N. J. Lifting-jack | Sept. 23, 1879 | 903 | 249 | 16 | 555 |
| 218, 693 | Tisdale, Charles D., Boston, Mass. Electric-signal apparatus for railways | Aug. 19, 1879 | 685 | 194 | 16 | 333 |
| | Tisdale, Josiah. (*See* Briggs, William M., assignor.) | | | | | |
| 218, 339 | Tise, Jacob C. and J. A., Winston, N. C. Car-coupling | Aug. 5, 1879 | 257 | 69 | 16 | 254 |
| | Tise, John A. (*See* Tise, Jacob C. and J. A.) | | | | | |
| 8, 884 | Titcomb, Winslow, Waterville, Me. Cleaner for locomotive-boilers ..... (Reissue) | Sept. 2, 1879 | 333 | 94 | 16 | 454 |
| 216, 911 | Same ..... same | June 24, 1879 | 1038 | 294 | 15 | 1044 |
| 221, 983 | Titman, Michael B., Newark, N. J. Refrigerator and water-cooler combined | Nov. 25, 1879 | 1002 | 280 | 16 | 976 |
| 216, 239 | Titus, George M., assignor of one-half interest to W. W. Brown, Rock Falls, Ill. Horse-rake | June 3, 1879 | 237 | 71 | 15 | 915 |
| 216, 770 | Same ..... Hand-truck | June 24, 1879 | 880 | 250 | 15 | 1024 |
| 212, 071 | Titus, John H., Lake City, Colo. Sack | Feb. 4, 1879 | 286 | 78 | 15 | 161 |
| | Todd, Charles J. (*See* Mern, John P., assignor.) | | | | | |
| 218, 905 | Todd, Edward, Madison, N. J. Stylographic fountain-pen | Aug. 26, 1879 | 955 | 268 | 16 | 379 |
| 8, 942 | Todd, John, Easton, Pa. Water-wheel ..... (Reissue) | Oct. 21, 1879 | 813 | 217 | 16 | 750 |
| 218, 797 | Todd, Joseph C., Paterson, N. J. Rope-spinning machinery | Aug. 19, 1879 | 794 | 226 | 16 | 348 |
| 215, 695 | Toepperwein, Emil A. F., Boerne, Tex. Hair-trigger for fire-arms | May 20, 1879 | 832 | 243 | 15 | 823 |
| 211, 117 | Toland, Jacob M., Jonesborough, Ga. Horse-power | Jan. 7, 1879 | 45 | 14 | 15 | 6 |
| | Tollner, Charles. (*See* Cornell & Tollner.) | | | | | |
| 211, 644 | Tollner, Eugene, assignor to Hall, Blair & Co., Brooklyn, N. Y. Cigar-box | Jan. 28, 1879 | 682 | 191 | 15 | 94 |
| 222, 430 | Tomkins, Cornelius T., Newark, N. J. Manufacturing paper | Dec. 9, 1879 | 357 | ..... | 16 | 1067 |
| 8, 803 | Tomkins, C. S., Newark, N. J. Treating gypsum ..... (Reissue) | July 15, 1879 | 842 | .. | 16 | 132 |
| | Tompkins, Frederick W., *et al.* (*See* Barlow, Elisha T., assignor.) | | | | | |
| 214, 731 | Tompkins, Rhinelander C., New York, assignor of one-half interest to A. Spring, White Plains, N. Y. Machine for scraping hogs | Apr. 22, 1879 | 1183 | 333 | 15 | 648 |
| 213, 011 | Tonkin, John J., Philadelphia, Pa., assignor of one-half interest to J. N. Van Lew, Richmond, Va. Slide-valve | Mar. 4, 1879 | 281 | 78 | 15 | 333 |
| 211, 438 | Toomey, Michael E., Rathbone Place, England. Dental impression-cup | Jan 14, 1879 | 430 | 121 | 15 | 55 |
| 218, 340 | Toope, Charles, London, England. Covering for steam-boilers | Aug. 5, 1879 | 259 | 70 | 16 | 255 |
| 216, 709 | Toops, Emory D., and J. Braddock, assignors to selves and V. H. Bond, Waverly, Ohio. Ditching-machine | June 17, 1879 | 791 | 226, 227 | 15 | 1004 |
| | Topliff, Cyrus L. (*See* Hopkins, George M., assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Törnquist, Alfred. (*See* Dutton & Törnquist.) | | | | | |
| 211, 946 | Törnquist, Alfred, New York, assignor to R. Dutton, Yonkers, N. Y. Mowing-machine | Feb. 4, 1879 | 140 | 40 | 15 | 144 |
| 216, 912 | Torrans, Thomas J., Mobile, Ala. Device for forming bale-ties | June 24, 1879 | 1039 | 295 | 15 | 1044 |
| 218, 600 | Torrans, Thomas J., assignor to R. Middleton, Mobile, Ala. Cotton-bale tie | Aug. 12, 1879 | 567 | 160 | 16 | 308 |
| | Torrans, W. P., *et al.* (*See* Lochner, Casper F., assignor.) | | | | | |
| 211, 605 | Torrent, John, Muskegon, Mich. Log-carrying device for saw-mills | Jan. 21, 1879 | 619 | 175 | 15 | 82 |
| 215, 696 | Torrey, Francis B., Bath, Me. Lubricating-journal | May 20, 1879 | 833 | 243 | 15 | 823 |
| 221, 879 | Same.....Pulley-sheave | Nov. 18, 1879 | 860 | 241 | 16 | 948 |
| 223, 192 | Torsch, Edward L., and J. R. Lee, Baltimore, Md. Printer's quoin | Dec. 30, 1879 | 1252 | 355 | 16 | 1223 |
| 216, 633 | Tetman, Edsell, Batavia, Ill. Rice-hulling machine | June 17, 1879 | 711 | 203 | 15 | 993 |
| 221, 707 | Same.....Grinding-mill | Nov. 18, 1879 | 661 | 185 | 16 | 921 |
| 213, 471 | Toufflin, Jean B., Paris, France. Process of and apparatus for reducing grain in vacuo | Mar. 18, 1879 | 797 | 225 | 15 | 417 |
| 216, 240 | Toulmin, Morton, Mobile, Ala. Grain scourer and cleaner | June 3, 1879 | 238 | 71 | 15 | 915 |
| | Tourgee, Albion W., *et al.* (*See* Kendall, John J., assignor.) | | | | | |
| 219, 039 | Towell, Isaac, Columbus, Tex. Street-car | Aug. 26, 1879 | 1094 | 307 | 16 | 397 |
| 211, 118 | Tower, George B. N., Cambridge, assignor of one-half interest to L. F. Renshaw, Cohasset, Mass. Steam-generator | Jan. 7, 1879 | 46 | 14, 15 | 15 | 6 |
| 213, 261 | Tower, George E., Washington, D. C. Valve-gear | Mar. 11, 1879 | 574 | 160 | 15 | 379 |
| 222, 751 | Tower, John J., and H. W. Kahlke, Brooklyn, N. Y., assignors to said Tower. Lock for handcuffs | Dec. 16, 1879 | 739 | 212 | 16 | 1130 |
| 216, 473 | Towne, Joseph L., Waterville, Me. Weather-strip for car-doors | June 10, 1879 | 530 | 152 | 15 | 960 |
| 213, 791 | Towne, William J., Newton, Mass. Hot-air furnace | Apr. 1. 1879 | 65 | 21 | 15 | 481 |
| 212, 412 | Townsend, George, Greenville Centre, N. Y. Apparatus for distributing poison on plants, &c. | Feb. 18, 1879 | 683 | 190 | 15 | 220 |
| 215, 993 | Townsend, Joseph H., Brooklyn, N. Y. Sheave for rolling doors | May 27, 1879 | 1159 | 337 | 15 | 873 |
| 222, 370 | Townsend, Matthew, deceased (G. F. Sumner, administrator), assignor, by mesne assignments, to M. T. Sumner, Canton, Mass. Carpet-lining and stair-pad | Dec. 9, 1879 | 288 | 80 | 16 | 1058 |
| 222, 752 | Townsend, Matthew, deceased, G. F. Sumner, administrator and assignor, by mesne assignment, to M. T. Sumner, Canton, Mass. Knit fabric for mattresses, &c. | Dec. 16, 1879 | 740 | 212, 213 | 16 | 1131 |
| 218, 798 | Towslee, David L., West Salem, Ohio. Drag-sawing machine | Aug. 19, 1879 | 796 | 226 | 16 | 348 |
| 213, 472 | Toyson, Toys, Springfield, Ill. Chimney-cleaner | Mar. 18, 1879 | 799 | 225 | 15 | 417 |
| 211, 440 | Tozer, Luke, Maroa, Ill. Fruit-jar | Jan. 14, 1879 | 433 | 122 | 15 | 56 |
| 216, 913 | Tracy, Dwight, Ridgewood, N. J. Railway-switch | June 24, 1879 | 1040 | 295, 296 | 15 | 1044 |
| | Tracy, George S., *et al.* (*See* McEwen, Ezra S., assignor.) | | | | | |
| | Tracy, Lewis W. (*See* Granniss & Tracy.) | | | | | |
| 218, 601 | Tracy, Thomas, Joilet, Ill. Machine for making staples | Aug. 12, 1879 | 568 | 160 | 16 | 308 |
| 220, 001 | Train, Horatio C., Kansas City, Mo. Gas-carbureter | Sept. 23, 1879 | 1079 | 299 | 16 | 580 |
| 221, 372 | Transue, Frank, Alliance, Ohio. Die for thrashing-machine spikes | Nov. 4, 1879 | 260 | 70 | 16 | 849 |
| 8, 627 | Trask, Charles H., Lynn, and H. F. Wheeler, Boston, Mass., assignors to Lynn Lasting Machine Association. Machinery for lasting boots and shoes.....(Reissue).. | Mar. 18, 1879 | 820 | 232, 233 | 15 | 419 |
| 8, 954 | Trask, Charles H., Lynn, Mass., assignor to J. W. Abbott, trustee. Machine for lasting boots and shoes.....(Reissue).. | Nov. 4, 1879 | 277 | 75 | 16 | 851 |
| | Trask, Henry D. (*See* Norcross, Alvin C., assignor) .....(Reissue). | | | | | |
| 219, 186 | Traut, Justus A., assignor to Stanley Rule and Level Company, New Britain, Conn. Bench-plane | Sept. 2, 1879 | 140 | 42 | 16 | 430 |
| 220, 509 | Trautmann, Charles M., and W. H. Humphreys, Cincinnati, Ohio. Apparatus for filling barrels, &c., with liquids | Oct. 14, 1879 | 342 | 90 | 16 | 630 |
| | Traver, Augustus. (*See* Smith & Traver.) | | | | | |
| 217, 964 | Travers, James P., New York, N. Y. Hammock | July 29, 1879 | 1187 | 340 | 16 | 193 |
| 221, 754 | Travers, Vincent P., New York, N. Y. Hammock | Nov. 18, 1879 | 711 | 199 | 16 | 928 |
| 221, 984 | Same.....Hammock-support | Nov. 25, 1879 | 1003 | 281 | 16 | 976 |
| 219, 882 | Travis, Andrew B., Brandon, Mich. Cultivator | Sept. 23, 1879 | 947 | 262 | 16 | 561 |
| 216, 241 | Travis, Charles L., Minneapolis, Minn. Grain-binder | June 3, 1879 | 240 | 72, 73 | 15 | 915 |
| 219, 187 | Travis, Charles L., Minneapolis, Minn., assignor to Minneapolis Paper Grain Binder Company. Knot-tying device for grain-binders | Sept. 2, 1879 | 141 | 42 | 16 | 430 |
| 219, 605 | Travis, Charles L., Minneapolis, Minn. Grain-binder | Sept. 16, 1879 | 629 | 175 | 16 | 509 |
| 213, 012 | Travis, Joseph H., assignor of one-half interest to F. Rhoner, New York, N. Y. Back of sofas and chairs | Mar. 4, 1879 | 282 | 79 | 15 | 333 |
| 214, 208 | Travis, Thomas W., Philadelphia, Pa. Railway cross-tie | Apr. 8, 1879 | 554 | 158 | 15 | 550 |
| 222, 753 | Traylor, William H., Stanford, Ky. Harrow and seed-sower | Dec. 16, 1879 | 741 | 213 | 16 | 1131 |
| 212, 765 | Treadwell, Levi P., Danbury, Conn. Sash-fastener | Feb. 25, 1879 | 1100 | 305 | 15 | 284 |
| 220, 737 | Treat, James E., Boston, Mass. Pneumatic action for organs | Oct. 21, 1879 | 617 | 165 | 16 | 734 |
| 219, 040 | Treat, John, assignor of one-half interest to J. Karst, New York, N. Y. Clock | Aug. 26, 1879 | 1095 | 307 | 16 | 397 |
| 221, 126 | Treat, John, assignor of one-third interest to J. Karst, New York, N. Y. Apparatus for compressing air | Oct. 28, 1879 | 1070 | 283 | 16 | 802 |
| 214, 597 | Tregoning, John, and M. Hastings, Brooklyn, N. Y. Steam-pump | Apr. 22, 1879 | 1041 | 292 | 15 | 630 |
| 211, 807 | Tremberger, George, and M. J. Stein, New York, N. Y. Life-boat | Jan. 28, 1879 | 867 | 242, 243 | 15 | 118 |
| | Tremblay, Adolph L., *et al.* (*See* Tucker, John L., assignor.) | | | | | |
| 218, 602 | Tremblay, Médéric, Holyoke, Mass. Medical compound for catarrh | Aug. 12, 1879 | 568 | ..... | 16 | 308 |
| 218, 840 | Trenery, Nelson J., and J. L. Sisley, Mifflin, Wis. Sulky-cultivator | Aug. 26, 1879 | 877 | 247 | 16 | 368 |
| 8, 610 | Trenholm, Francis H., Charleston, S. C. Cart-body.....(Reissue).. | Mar. 4, 1879 | 306 | 86 | 15 | 336 |
| 221, 755 | Trenks, Frederick F., Round Top, Tex. Cotton-picking machine | Nov. 18, 1879 | 712 | 199 | 16 | 928 |
| 216, 540 | Trent, Joseph, assignor to Manhattan Burner Company, New York, N. Y. Cone for lamp-burners | June 17, 1879 | 610 | 173 | 15 | 979 |
| 216, 541 | Same.....Lantern | June 17, 1879 | 611 | 173 | 15 | 979 |
| 216, 542 | Same.....Lamp-burner | June 17, 1879 | 611 | 174 | 15 | 979 |
| | Trenton Lock and Hardware Company. (*See* Gérard, John, assignor.) | | | | | |
| 220, 316 | Treptow, Carl, Saint Louis, Mo. Lamp-burner | Oct. 7, 1879 | 122 | 33 | 16 | 651 |
| 221, 756 | Tressler, John L., and W. H. Loomis, Alameda, Cal. Parlor mantel-grate | Nov. 18, 1879 | 713 | 199 | 16 | 928 |
| | Trevor, Francis N. (*See* Trevor, William W. and F. N.) | | | | | |
| 218, 088 | Trevor, Francis N., and A. J. Evans, Lockport, N. Y. Support for steam-radiators | July 29, 1879 | 1320 | 379 | 16 | 211 |
| 221, 479 | Trevor, William W. and F. N., Lockport, N. Y. Junction service-box for street steam-mains | Nov. 11, 1879 | 400 | 109 | 16 | 876 |
| 221, 480 | Trevor, William W., Lockport, N. Y. Machine for cutting key-seats | Nov. 11, 1879 | 401 | 109, 110 | 16 | 876 |
| 216, 474 | Tribouillet, Victor, and L. A. De Besaucèle, Paris, France. Manufacturing solid collodion | June 10, 1879 | 531 | ..... | 15 | 960 |
| 211, 278 | Trickel, Joseph, Reading, Pa. Bracket | Jan. 7, 1879 | 218 | 64 | 15 | 28 |
| | Trier, Frank H. J. (*See* Brunton & Trier.) | | | | | |
| | Trimble, James A. (*See* Alley, William T., assignor.) | | | | | |
| 214, 970 | Tripler, Archibald B., New York, N. Y. Machine for imitating the grain of wood | Apr. 29, 1879 | 1453 | 405 | 15 | 691 |
| 217, 912 | Tripp, James, Coldwater, Mich. Sewing-machine | July 29, 1879 | 1133 | 324 | 16 | 186 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 222,644 | Tripp, James, Coldwater, Mich. Revolving-shuttle sewing-machine | Dec. 16, 1879 | 631 | 180 | 16 | 1115 |
| 219,325 | Tripp, Rickerson M., New York, N. Y. Sleeve and collar button | Sept. 2, 1879 | 309 | 87 | 16 | 451 |
| 211,947 | Tripp, Thomas, East Stoughton, Mass. Packing for piston-rods | Feb. 4, 1879 | 141 | 41 | 15 | 144 |
| 217,305 | Same.....Circular saw | July 8, 1879 | 424 | 125 | 16 | 66 |
| 219,883 | Tripp, Thomas, East Stoughton, assignor to American Metallic Packing Association, Boston, Mass. Metallic packing for piston-rods, &c | Sept. 23, 1879 | 949 | 262 | 16 | 562 |
| 221,198 | Tripp, Thomas, Stoughton, assignor of one-half interest to E. A. Brown, Cambridge, Mass. Water-filter | Nov. 4, 1879 | 65 | 17 | 16 | 821 |
| | Tritch, Parlee C. (*See* Doerty & Tritch.) | | | | | |
| 214,326 | Trorlicht, Sybilla K., Chicago, Ill. Head-muffler | Apr. 15, 1879 | 722 | 202 | 15 | 581 |
| 222,212 | Trott, John T., Waterbury, Conn. Soft-cake machine | Dec. 2, 1879 | 110 | 27 | 16 | 1024 |
| 223,079 | Troupe, Charles, Little Valley, Minn. Car-coupling | Dec. 30, 1879 | 1133 | 321 | 16 | 1206 |
| | Trowbridge, Luther S., *et al.* (*See* Green, Charles W., assignor.) | | | | | |
| 215,305 | Troxell, Daniel, Phillipsburg, N. J. Brake for children's carriages | May 13, 1879 | 399 | 118 | 15 | 756 |
| | Troy Button Hole Machine Company. (*See* Cleminshaw, Sherman, assignor.) | | | | | |
| 216,475 | Truax, Joseph, Mount Gilead, Ohio. Bee-hive | June 10, 1879 | 532 | 152 | 15 | 960 |
| | Trubey, Esdras B., *et al.* (*See* Maxhimer, Leonard L., assignor.) | | | | | |
| | Trubey, Esdras B. (*See* Maxhimer & Trubey.) | | | | | |
| | Trubey, Harmon, *et al.* (*See* Maxhimer, Leonard L., assignor.) | | | | | |
| | Trubey, Harmon. (*See* Maxhimer & Trubey.) | | | | | |
| | Trubey, Nathan. (*See* Maxhimer & Trubey, assignors.) | | | | | |
| 215,841 | True, James A., Providence, R. I. Sewing-machine | May 27, 1879 | 1005 | 292 | 15 | 853 |
| 221,481 | Same.....Thread-controlling device for sewing-machines | Nov. 11, 1879 | 403 | 110 | 16 | 876 |
| 215,080 | True, Cyrus B., Providence, R. I. Sewing-machine | May 6, 1879 | 107 | 32 | 15 | 716 |
| 213,792 | True, Moses E., Batavia, N. Y. Crosscut-saw handle | Apr. 1, 1879 | 67 | 21 | 15 | 481 |
| 222,549 | Trueblood, Barclay T., Hadley, Ind. Medicine-spoon | Dec. 9, 1879 | 499 | 141 | 16 | 1086 |
| 216,710 | Truesdale, Charles, assignor of one-half interest to W. Resor & Co., Cincinnati, Ohio. Summer stove and furnace | June 17, 1879 | 792 | 227 | 15 | 1004 |
| 218,089 | Same.....Coal-oil stove | July 29, 1879 | 1321 | 379 | 16 | 211 |
| | Trull, George, trustee. (*See* Rockwell, Samuel, assignor.) | | | | | |
| 217,433 | Trum, Emanuel J., Brooklyn, N. Y. Calendar | July 8, 1879 | 563 | 161 | 16 | 83 |
| 223,193 | Same.....Blotter | Dec. 30, 1879 | 1253 | 355 | 16 | 1223 |
| | Trump Brothers Machine Company. (*See* Frederick & Trump, assignors.) | | | | | |
| 213,473 | Trump, John G., Denmark, Mich. Root and stump puller | Mar. 18, 1879 | 800 | 226 | 15 | 417 |
| | Trump, Samuel N. (*See* Frederick & Trump.) | | | | | |
| 220,683 | Truxell, Andrew J., Big Lick, Va. Portable fence | Oct. 14, 1879 | 542 | 143 | 16 | 716 |
| 213,147 | Tschanun, Theodor, Gaschurn, Austria, assignor to F. J. Wittwer, Saint Louis, Mo. Vegetable-cutter | Mar. 11, 1879 | 458 | 127 | 15 | 363 |
| 213,148 | Tschirgi, Matheus, Dubuque, Iowa. Pressure-regulator for fermenting beer | Mar. 11, 1879 | 459 | 127 | 15 | 363 |
| 211,534 | Tubbs, Charles W., Phœnix, N. Y. Coffin | Jan. 21, 1879 | 535 | 151 | 15 | 71 |
| 216,771 | Tuchfarber, Frank, Cincinnati, Ohio. Sign | June 24, 1879 | 881 | 250 | 15 | 1025 |
| 220,099 | Same.....Transparent sign | Sept. 30, 1879 | 1213 | ..... | 16 | 606 |
| 222,164 | Same.....Bung | Dec. 2, 1879 | 54 | 13 | 16 | 1016 |
| 213,149 | Tucker, Argyle W., Waxahachie, assignor to Alford & Sorley; said Sorley assignor to G. F. Alford, Dallas, Tex. Plow | Mar. 11, 1879 | 460 | 127 | 15 | 363 |
| 220,446 | Tucker, Argyle W., Waxahachie, assignor to G. F. Alford, Dallas, Tex. Plow | Oct. 7, 1879 | 258 | 69 | 16 | 671 |
| | Tucker, B. F. (*See* Mozart, Thomas J., assignor.) | | | | | |
| 211,196 | Tucker, Ephraim, assignor to E. W. Vaill, Worcester, Mass. Folding chair | Jan. 7, 1879 | 131 | 40 | 15 | 18 |
| 8,632 | Tucker, Frederick O., Hartford, Conn., assignor to National Stop Motion Company, Westerly, R. I. Weft-stop mechanism (Reissue) | Mar. 25, 1879 | 1089 | 309, 310 | 15 | 462 |
| 217,028 | Tucker, Frederick O., Hartford, Conn. Stop-motion for looms | July 1, 1879 | 111 | 32, 33 | 16 | 17 |
| 214,473 | Tucker, George W., Waterbury, Conn. Pull for drawers | Apr. 15, 1879 | 877 | 247 | 15 | 602 |
| 222,213 | Same.....Device for attaching drawer-pulls | Dec. 2, 1879 | 111 | 27 | 16 | 1024 |
| 212,161 | Tucker, Hiram, Boston, Mass. Door-knob | Feb. 11, 1879 | 392 | 107 | 15 | 178 |
| 212,162 | Same.....same | Feb. 11, 1879 | 392 | 107 | 15 | 178 |
| 219,835 | Tucker, Horace N., Stoughton, Mass. Cake-cooler | Sept. 23, 1879 | 904 | 249 | 16 | 555 |
| 217,173 | Tucker, John L., assignor of two-thirds interest to H. C. Canney and A. L. Tremblay, Manchester, N. H. Perforating canceling-stamp | July 1, 1879 | 270 | 80 | 16 | 37 |
| 215,842 | Tucker, Richard H., Wiscasset, Me. Pneumatic propulsion of vessels | May 27, 1879 | 1005 | 292 | 15 | 853 |
| 215,843 | Same.....Surf-boat | May 27, 1879 | 1007 | 293 | 15 | 854 |
| 215,994 | Same.....Ship's hull | May 27, 1879 | 1160 | 337 | 15 | 873 |
| | Tucker, Stephen D. (*See* Hoe & Tucker) (Reissue.) | | | | | |
| 212,766 | Tucker, Stephen D., New York, N. Y. Printing-machine | Feb. 25, 1879 | 1101 | 306 | 15 | 284 |
| 212,767 | Same.....Machine for damping paper-webs | Feb. 25, 1879 | 1103 | 306 | 15 | 284 |
| 212,872 | Same.....Pasting mechanism for paper-folding machines | Mar. 4, 1879 | 106 | 31 | 15 | 311 |
| 213,793 | Same.....Sheet-delivering apparatus for printing-presses | Apr. 1, 1879 | 68 | 21, 22 | 15 | 481 |
| 214,065 | Same.....Sheet-reversing apparatus for printing-machines | Apr. 8, 1879 | 389 | 109, 110, 111 | 15 | 530 |
| 214,066 | Same.....Sheet-delivering apparatus for printing-machines | Apr. 8, 1879 | 394 | 111, 112, 113 | 15 | 530 |
| 214,067 | Same.....same | Apr. 8, 1879 | 400 | 113, 114, 115 | 15 | 531 |
| 214,068 | Same.....same | Apr. 8, 1879 | 409 | 115, 116 | 15 | 532 |
| 215,414 | Same.....Paper-damping machine | May 13, 1879 | 502 | 149 | 15 | 770 |
| 215,844 | Same.....Sheet-delivering apparatus for printing-machines | May 27, 1879 | 1008 | 293, 294 | 15 | 854 |
| 8,719 | Tucker, Welcome C., Richmond Switch, R. I., assignor to Ives & Miller, New Haven, Conn. Wagon-hub (Reissue) | May 20, 1879 | 850 | 249 | 15 | 826 |
| 217,172 | Tucker, William H., Indianapolis, Ind. Top plate for casters | July 1, 1879 | 270 | 79 | 16 | 37 |
| 223,017 | Tucker, William H., R. S. Dorsey, and L. W. Frederick, Indianapolis, Ind.; said Frederick assignor to said Tucker & Dorsey. Adjustable stove-truck | Dec. 30, 1879 | 1060 | 303 | 16 | 1197 |
| | Tuerk, Charles E. (*See* Dearborn, Charles A., assignor.) | | | | | |
| 213,957 | Tufts, David, Pittsburg, Pa. Dam | Apr. 1, 1879 | 240 | 70 | 15 | 503 |
| | Tufts, James W. (*See* Hawkins, Westel E., assignor.) | | | | | |
| 221,985 | Tufts, James W., Medford, and M. S. Andrews, Somerville, Mass., assignors to said Tufts. Manufacture of electrotype-dies | Nov. 25, 1879 | 1003 | 281 | 16 | 976 |
| 219,129 | Tufts, Timothy, Somerville, Mass. Thill-coupling | Sept. 2, 1879 | 80 | 25 | 16 | 423 |
| | Tullis, Orange S. (*See* Bettice, Myers S., assignor.) | | | | | |
| 216,711 | Tunis, Walter H., Baltimore, Md. Paper box | June 17, 1879 | 794 | 227 | 15 | 1004 |
| 223,080 | Tunstall, Robert B., Norfolk, Va. Ornamental-headed screw | Dec. 30, 1879 | 1134 | 321 | 16 | 1206 |
| | Turck, William J. (*See* Burhans, Nelson H., assignor.) | | | | | |

*Alphabetical list of patentces for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume.* Spec. | Monthly volume.* Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 223, 018 | Tures, George N., Lincoln Township, Dickinson County, Kans. Manufacture of gravel bricks | Dec. 30, 1879 | 1061 | 303 | 16 | 1197 |
| 217, 755 | Turl, John, New York, N. Y. Portable railway-track | July 22, 1879 | 945 | 271 | 16 | 155 |
| 213, 474 | Turley, Marshall, Council Bluffs, Iowa. Horse-collar | Mar. 18, 1879 | 800 | 226 | 15 | 417 |
| 218, 341 | Turnbull, Andrew, assignor of one-half interest to J. Gérard, New Britain, Conn. Hydraulic fire-escape | Aug. 5, 1879 | 260 | 70 | 16 | 255 |
| 215, 081 | Turnbull, William C., Baltimore, Md. Roller-skate | May 6, 1879 | 108 | 33 | 15 | 716 |
| 211, 441 | Turner, Edward S., Chicago, Ill. Lightning-rod coupling | Jan. 14, 1879 | 433 | 122 | 15 | 56 |
| 215, 028 | Same.....Weather-vane | May 6, 1879 | 52 | 15 | 15 | 709 |
| | Turner, George. (*See* Manvel & Turner.) | | | | | |
| 219, 041 | Turner, Hiram, Potsdam, Prussia. Car-coupling | Aug. 26, 1879 | 1096 | 308 | 16 | 398 |
| 211, 357 | Turner, Howard, Boston, Mass. Culinary implement | Jan. 14, 1879 | 337 | 98 | 15 | 44 |
| 213, 013 | Same.....Heel-cutting die | Mar. 4, 1879 | 283 | 79 | 15 | 333 |
| 218, 647 | Turner, Howard, assignor to R. W. Turner, Boston, Mass. Car-starter | Aug. 19, 1879 | 637 | 179 | 16 | 325 |
| | Turner, James. (*See* Turner, Peter, and J.) | | | | | |
| 221, 708 | Turner, James, Chicago, Ill. Preserving meat | Nov. 18, 1879 | 663 | ..... | 16 | 921 |
| 215, 845 | Turner, John T., Baltimore, Md. Machine for varnishing, gumming, and sizing labels, pictures, &c | May 27, 1879 | 1012 | 295 | 15 | 854 |
| 213, 712 | Turner, Joseph S., Rockland, Mass. Sole-marking tool for channeling | Mar. 25, 1879 | 1070 | 304 | 15 | 460 |
| 215, 547 | Same.....Machine for pricking and trimming soles | May 20, 1879 | 667 | 194, 195 | 15 | 802 |
| 222, 964 | Turner, Julius T., Grafton, Mich. Horse-collar | Dec. 23, 1879 | 993 | 285 | 16 | 1177 |
| 220, 263 | Turner, Mahlon P., Des Moines, Iowa. Track-clearer | Oct. 7, 1879 | 59 | 15 | 16 | 642 |
| 221, 199 | Turner, Peter, and J., Chicago, Ill. Making strings from intestines | Nov. 4, 1879 | 65 | ..... | 16 | 821 |
| | Turner, Roswell W. (*See* Turner, Howard, assignor.) | | | | | |
| | Turner, Thomas L., *et al.* (*See* Fallett & Fellows, assignors.) | | | | | |
| 222, 610 | Turner, William A., Providence, R. I. Gas-stove | Dec. 16, 1879 | 586 | 167 | 16 | 1108 |
| 223, 081 | Turner, William C., Saint Louis, Mo. Bran-scouring machine | Dec. 30, 1879 | 1135 | 321, 322 | 16 | 1206 |
| 217, 174 | Turton, William C., assignor to Dozier, Weyl & Co., Saint Louis, Mo. Box | July 1, 1879 | 271 | 80 | 16 | 38 |
| 217, 434 | Turvey, Amanda E., Fredericktown, Ohio. Milk-cooler | July 8, 1879 | 564 | 162 | 16 | 83 |
| 212, 284 | Tuttle, Edward A., New York, N. Y. Exercising-machine | Feb. 11, 1879 | 528 | 147 | 15 | 196 |
| 217, 175 | Tuttle, Frederick D., Owatonna, Minn. Pump | July 1, 1879 | 272 | 80 | 16 | 38 |
| 219, 782 | Tuttle, John W., Watertown, and T. K. Keith, Haverhill, assignors of one-third interest to I. Farwell, jr., Newton, Mass. Sewing-machine for embroidering | Sept. 16, 1879 | 825 | 228, 229 | 16 | 536 |
| | Tuxbury, George A., *et al.* (*See* Gear, James W., assignor.) | | | | | |
| 213, 475 | Twigg, Charles W., Fincastle, Ind. Plow | Mar. 18, 1879 | 801 | 226 | 15 | 417 |
| 219, 836 | Twing, Nelson F., and H. E. Ducker, Springfield, Mass. Counting-house calendar | Sept. 23, 1879 | 904 | 249 | 16 | 555 |
| 212, 285 | Twiss, Nelson W., New Haven, Conn. Cut-off gearing | Feb. 11, 1879 | 529 | 148 | 15 | 196 |
| 212, 768 | Twitchell, La Fayette, and J. A. Clark, Elizabethtown, Ill. Fire-escape ladder | Feb. 25, 1879 | 1105 | 307 | 15 | 284 |
| 217, 029 | Twomley, Edwin, Coal Valley, Ill. Hog-cholera compound | July 1, 1879 | 112 | ..... | 16 | 17 |
| 218, 906 | Tyhurst, Edward, Chatham, Ontario, Canada. Curd separator and cooler | Aug. 26, 1879 | 956 | 268 | 16 | 379 |
| 215, 846 | Tyler, Albert S., Chicago, Ill. Coin-assorter | May 27, 1879 | 1014 | 295 | 15 | 854 |
| 8, 791 | Tyler, Charles E., Georgetown, Mass., assignor to National Plow Shoe Company, New Haven, Conn. Brogan.....(Reissue) | July 8, 1879 | 576 | 166 | 16 | 85 |
| | Tyler, Frank K. (*See* Henry, John J., assignor.) | | | | | |
| 223, 082 | Tyler, Jerry, Milford, Cal. Hay-unloader | Dec. 30, 1879 | 1136 | 322 | 16 | 1206 |
| 216, 585 | Tyler, John, Claremont, N. H. Rag-washing machine for rag and paper washing engines | June 17, 1879 | 662 | 189 | 15 | 986 |
| 213, 958 | Tyler, John E., Roxobel, N. C. Cartridge | Apr. 1, 1879 | 242 | 70 | 15 | 504 |
| | Tyler, Leman W. (*See* Sternberg, William, assignor).....(Reissue.) | | | | | |
| 216, 914 | Tyler, Washington S., Cleveland, Ohio. Dandy-roller for paper-machines | June 24, 1879 | 1045 | 296 | 15 | 1045 |
| 214, 598 | Tyrrell, John F., New York, N. Y. Wrapper for samples | Apr. 22, 1879 | 1042 | 293 | 15 | 630 |
| 216, 985 | Same.....Can | July 1, 1879 | 63 | 19 | 16 | 10 |
| 214, 732 | Tyson, Charles, Philadelphia, Pa. Pump | Apr. 22, 1879 | 1184 | 333 | 15 | 648 |
| 215, 778 | Same.....Mechanical movement | May 27, 1879 | 927 | 272 | 15 | 844 |
| 220, 043 | Same.....Steam-engine | Sept. 30, 1879 | 1143 | 315 | 16 | 596 |
| 220, 317 | Udell, Calvin G., Indianapolis, Ind. Veneer-blank for trays and boxes | Oct. 7, 1879 | 123 | 34 | 16 | 651 |
| | Uebele, Conrad. (*See* Will & Uebele.) | | | | | |
| 221, 432 | Uhl, George, Sacramento, Cal. Dredging-machine | Nov. 11, 1879 | 343 | 95 | 16 | 869 |
| | Uhler, G. Frank. (*See* Underwood, Hawkins & Uhler.) | | | | | |
| | Same..... (*See* Underwood & Uhler.) | | | | | |
| 220, 447 | Uhlig, Otto W., New York, N. Y. Machine for making fluted trimmings | Oct. 7, 1879 | 259 | 70 | 16 | 671 |
| 218, 799 | Ullo, Lorenzo, South Orange, N. J. Ventilating sewer-pipes and water-closets | Aug. 19, 1879 | 797 | 227 | 16 | 348 |
| | Ulrey, Edward, *et al.* (*See* Lawson, John J., assignor.) | | | | | |
| 214, 265 | Ulrich, Anton, Lockport, N. Y. Basket | Apr. 15, 1879 | 641 | 180 | 15 | 571 |
| 214, 853 | Same.....Refrigerator-wagon | Apr. 29, 1879 | 1340 | 373 | 15 | 676 |
| | Ulrich, Frederick. (*See* Kuehne, August, assignor.) | | | | | |
| 217, 176 | Ulscht, Adam, J. A. Linn, and D. Lang, Rochester, N. Y. Apparatus for regulating pressure in fermenting-casks | July 1, 1879 | 273 | 81 | 16 | 38 |
| | Ulsmann, Hermann. (*See* Althaus, Junghann & Ulsmann.) | | | | | |
| 217, 250 | Umbdenstock, Michael, Chicago, Ill. Device for securing books to covers | July 8, 1879 | 369 | 109 | 16 | 59 |
| 214, 209 | Umstadter, Michael, Norfolk, Va. Jacquard attachment for embroidering-machines | Apr. 8, 1879 | 554 | 158 | 15 | 550 |
| 220, 318 | Underhill, Hazen R., Derry, N. H. Latch | Oct. 7, 1879 | 123 | 34 | 16 | 652 |
| | Underhill, William R. (*See* McClean, Samuel P., assignor.) | | | | | |
| 216, 634 | Underwood, Angeline, Carrollton, Ill. Spring-bed | June 17, 1879 | 712 | 204 | 15 | 993 |
| 216, 916 | Underwood, Frank H. and J. E., C. A. Hawkins, and G. F. Uhler, Tolland, Conn. Round belting | June 24, 1879 | 1047 | 296 | 15 | 1045 |
| 219, 606 | Underwood, Frank H. and J. E., Tolland, Conn. Belting | Sept. 16, 1879 | 630 | 175 | 16 | 509 |
| 219, 607 | Underwood, Frank H. and J. E., and G. F. Uhler, Tolland, Conn. Leather belting | Sept. 16, 1879 | 631 | 175 | 16 | 509 |
| 211, 606 | Underwood, Henry M., Kenosha, Wis. Wind-mill | Jan. 21, 1879 | 619 | 175 | 15 | 82 |
| 218, 090 | Underwood, Hiram C., Kalamazoo, Mich. Box for prohibited mail and other matter | July 29, 1879 | 1323 | 380 | 16 | 211 |
| | Underwood, James E. (*See* Underwood, Frank H. and J. E.) | | | | | |
| | Same.....(*See* Underwood, Hawkins & Uhler.) | | | | | |
| | Same.....(*See* Underwood & Uhler.) | | | | | |
| 221, 482 | Underwood, John M., assignor to A. Searls, Newark, N. J. Whip-socket | Nov. 11, 1879 | 404 | 110 | 16 | 876 |
| 213, 713 | Underwood, Joseph B., Fayetteville, N. C. Attachment for assisting in the operation of a sewing-machine treadle | Mar. 25, 1879 | 1070 | 304 | 15 | 460 |
| 214, 854 | Underwood, Joseph B., Fayetteville, N. C., assignor to Wheeler & Wilson Manufacturing Company, Bridgeport, Conn. Darning attachment for sewing-machines | Apr. 29, 1879 | 1341 | 373 | 15 | 676 |
| 221, 373 | Underwood, Joseph B., Fayetteville, N. C. Machine for harness-makers' use | Nov. 4, 1879 | 261 | 71 | 16 | 849 |
| | Union Iron Works. (*See* Clees, Joseph, assignor).....(Reissue.) | | | | | |
| | Union Metallic Cartridge Company. (*See* Hobbs, Alfred C., assignor.) | | | | | |
| | Union Paper Bag Machine Company. (*See* Crowell, Luther C., assignor)..(Reissue.) | | | | | |
| | Same.....(*See* Goodale, E. W., assignor).....(Reissue.) | | | | | |

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| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Union Paper Bag Machine Company. (*See* Wells, Joseph, assignor) .....(Reissue.) | | | | | |
| | United States Illuminating Company. (*See* Osborn, George K., assignor.) | | | | | |
| | United States Stamping Company. (*See* Austin, Theodore P., assignor.) | | | | | |
| | Same (*See* Graves, John, assignor.) | | | | | |
| | Universal Paper Company (limited). (*See* Meech, Harrison B., assignor.) | | | | | |
| 216, 915 | Unkrich, Henry, Fairfield, Iowa. Hedge-trimmer | June 24, 1879 | 1046 | 296 | 15 | 1045 |
| 215, 847 | Unsoeld, John G., Detroit, Mich. Beer-wagon | May 27, 1879 | 1015 | 295 | 15 | 855 |
| 215, 995 | Unsworth, Thomas, Manchester, England. Doubling and winding machine | May 27, 1879 | 1160 | 337 | 15 | 873 |
| 216, 120 | Unthank, Daniel, Spiceland, Ind. Check-row corn-planter | June 3, 1879 | 117 | 34, 35 | 15 | 900 |
| 222, 550 | Same ... Cultivator | Dec. 9, 1879 | 500 | 141 | 16 | 1086 |
| 213, 150 | Unzicker, Otto, assignor to A. Shoeninger, Chicago, Ill. Swing | Mar. 11, 1879 | 461 | 127 | 15 | 363 |
| 219, 608 | Updegraff, Horace, Smithfield, and D. B. Comly, Adena, Ohio. Stirrup | Sept. 16, 1879 | 631 | 176 | 16 | 509 |
| | Upington, James T. (*See* Upington, John V., assignor.) | | | | | |
| 222, 965 | Upington, James T. and J. V., Lexington, Ky. Sulky | Dec. 23, 1879 | 995 | 285 | 16 | 1177 |
| | Upington, John V. (*See* Upington, James T. and J. V.) | | | | | |
| 221, 631 | Upington, John V., assignor of one-half interest to J. T. Upington, Lexington, Ky. Sulky | Nov. 11, 1879 | 569 | 157 | 16 | 900 |
| | Upton, Albert F. (*See* Jarvis, Kingsbury M., assignor.) | | | | | |
| 213, 361 | Upton, Clarence H., Rochester, N. Y. Coin-package | Mar. 18, 1879 | 698 | 195 | 15 | 403 |
| 214, 971 | Urie, David, Warrensburg, Mo. Stalk-cutter | Apr. 29, 1879 | 1455 | 405 | 15 | 691 |
| 214, 599 | Uriell, John, Collegeville, Cal. Portable derrick | Apr. 22, 1879 | 1043 | 293 | 15 | 630 |
| 214, 474 | Uren, William H., Independence, Iowa. Clothes-drier | Apr. 15, 1879 | 878 | 247, 248 | 15 | 602 |
| 8, 633 | Urmston, John, Rahway, N. J. Method of and apparatus for drying hubs..(Reissue).. | Mar. 25, 1879 | 1090 | 310 | 15 | 463 |
| 213, 362 | Usher, John H., assignor to Buffalo Scale Company, Buffalo, N. Y. Testing-machine .. | Mar. 18, 1879 | 699 | 195 | 15 | 403 |
| | Utica Fire Alarm Telegraph Company. (*See* Palmer, Augustus C. and A. H., assignors.) | | | | | |
| 215, 415 | Utman, Charles, Hillsborough, Ohio. Extension-table | May 13, 1879 | 505 | 150 | 15 | 770 |
| 219, 326 | Utter, Isaac, Rockford, Ill. Cultivator | Sept. 2, 1879 | 310 | 87 | 16 | 451 |
| | Utter, John. (*See* Carroll, David, assignor) .....(Reissue.) | | | | | |
| 222, 333 | Utterback, Oscar, and J. J. Rains, Hillsdale, Iowa. Draft-equalizer | Dec. 2, 1879 | 243 | 66 | 16 | 1042 |
| 211, 442 | Vacaro, Joseph, Bayon Sara, La. Iron fence-post | Jan. 14, 1879 | 434 | 122 | 15 | 56 |
| 223, 194 | Vaché, William F., assignor to self, J. A. Becket, and J. Chatwin, Philadelphia, Pa. Attachment for fishing-lines | Dec. 30, 1879 | 1253 | 355 | 16 | 1223 |
| 213, 476 | Vacherot, Alexandre, Bridge Road, Battersea, England. Rotary engine and pump | Mar. 18, 1879 | 802 | 226, 227 | 15 | 417 |
| 220, 193 | Vaders, Henry T., Philadelphia, Pa. Clamp for lifting clothes and holding mops | Sept. 30, 1879 | 1319 | 364 | 16 | 621 |
| 212, 873 | Vail, Theodore N., New York, N. Y. Electrical signaling apparatus | Mar. 4, 1879 | 107 | 32 | 15 | 312 |
| 219, 188 | Vail, Theodore N., Boston, Mass. Circuit and signaling apparatus for district telegraph and telephone systems | Sept. 2, 1879 | 142 | 43 | 16 | 430 |
| 222, 966 | Same..... Telephone circuit | Dec. 23, 1879 | 996 | 285 | 16 | 1178 |
| | Vaill, Edward W. (*See* Tucker, Ephraim, assignor.) | | | | | |
| 8, 880 | Valentine, James W., New Orleans, La. Sweat-band for hats and caps ...(Reissue).. | Sept. 2, 1879 | 328 | 93 | 16 | 454 |
| 222, 611 | Valentine, Waldo W., Buffalo, N. Y. Vehicle-wheel | Dec. 16, 1879 | 588 | 167 | 16 | 1108 |
| 211, 483 | Valley, John N., Jersey City, N. J. Clothes-drier | Jan. 21, 1879 | 477 | 135 | 15 | 64 |
| | Vallotton, Albert F. (*See* Leguay & Vallotton.) | | | | | |
| 214, 210 | Valton, Ferdinand, Paris, J. Euverte, and A. Pourcel, Terrenoire, France, assignors to A. L. Holley, Brooklyn, N. Y. Making steel castings without blow-holes | Apr. 8, 1879 | 556 | ..... | 15 | 550 |
| | Van Antwerp, Daniel T. (*See* Adams, Archibald D., assignor.) | | | | | |
| 218, 146 | Van Arsdale, John, Canandaigua, N. Y. Device for holding hose-pipe | Aug. 5, 1879 | 47 | 13 | 16 | 226 |
| 212, 286 | Vanausdale, James T., Shelbyville, Tenn. Harrow | Feb. 11, 1879 | 530 | 148 | 15 | 197 |
| 215, 779 | Van Benthuysen, Joseph D., New Orleans, La. Nut-lock | May 27, 1879 | 929 | 272 | 15 | 845 |
| | Van Brunt & Davis Company. (*See* Van Brunt, Willard A., assignor.) | | | | | |
| 220, 100 | Van Brunt, Willard A., assignor to Van Brunt & Davis Company, Horicon, Wis. Seeder and planter | Sept. 30, 1879 | 1214 | 334, 335 | 16 | 606 |
| 220, 194 | Vandegrift, John, Langhorne, Pa. Horseshoe | Sept. 30, 1879 | 1320 | 364 | 16 | 621 |
| | Vandenburg, J. (*See* Thurston, Lycurgus, assignor.) | | | | | |
| 213, 536 | Van Der Weyde, Peter H., Brooklyn, N. Y. Automatic fire-alarm | Mar. 25, 1879 | 878 | 251 | 15 | 435 |
| 219, 189 | Vandervoort, Charles R., and C. P. Carver, Angelica, N. Y. Sleigh | Sept. 2, 1879 | 144 | 43 | 16 | 431 |
| 211, 443 | Van Derzee, John M., New Baltimore, N. Y. Bale-tie | Jan. 14, 1879 | 435 | 122 | 15 | 56 |
| 217, 496 | Van De Wiele, Amand, Brussels, Belgium. Combined open grate and blower | July 15, 1879 | 645 | 183, 184 | 16 | 106 |
| 212, 334 | Van Doren, Henry, South Branch, N. J. Bread-board | Feb. 18, 1879 | 596 | 167 | 15 | 208 |
| 8, 835 | Van Dusen, George W., Brooklyn, N. Y., assignor to E. P. Needham & Son. Mechanical musical instrument .....(Reissue).. | Aug. 5, 1879 | 287 | 78 | 16 | 259 |
| 215, 185 | Van Dusen, John D., Auburn, N. Y. Clothes-wringer | May 6, 1879 | 227 | 67 | 15 | 731 |
| 219, 784 | Van Dyck, William H., Coxsackie, N. Y. Top for children's carriages | Sept. 16, 1879 | 831 | 229 | 16 | 536 |
| 219, 661 | Van Dyke, George, Skaneateles, N. Y. Straw and hay cutter | Sept. 16, 1879 | 697 | 193 | 16 | 518 |
| | Van Gelder, Henry. (*See* Baker & Van Gelder.) | | | | | |
| | Van Gorder, Henry L. (*See* Newell & Van Gorder.) | | | | | |
| 212, 287 | Van Horn, Abner and A., Brooklyn, N. Y. Ventilator | Feb. 11, 1879 | 531 | 149 | 15 | 197 |
| | Van Horn, Andrew. (*See* Van Horn, Abner and A.) | | | | | |
| 214, 972 | Van Housen, Casper, assignor to self and W. F. Stark, New York, N. Y. Crimping-machine | Apr. 29, 1879 | 1456 | 405 | 15 | 691 |
| 211, 444 | Van Houten, Cornelius, Belleville, N. J. Wire-cloth for Fourdrinier paper-machines .. | Jan. 14, 1879 | 435 | 123 | 15 | 56 |
| 218, 463 | Van Hovenberg, David, Pompey, N. Y. Milk-cooler | Aug. 12, 1879 | 416 | 114 | 16 | 287 |
| 217, 913 | Van Kleeck, Livingston B., New York, N. Y. Apparatus for controlling runaway horses | July 29, 1879 | 1134 | 324 | 16 | 186 |
| | Van Lew, John N. (*See* Tonkin, John J., assignor.) | | | | | |
| | Van Liew, Dennis F. (*See* Sencenbaugh, S. Samuel, assignor.) | | | | | |
| 215, 029 | Van Luven, Thomas F., Murvale, Ontario, Canada. Carriage-top iron | May 6, 1879 | 52 | 15 | 15 | 709 |
| 219, 785 | Van Matre, Joseph, Cadiz, Ind. Wagon-jack | Sept. 16, 1879 | 831 | 230 | 16 | 536 |
| | Vann, Charles H. (*See* Snapp, James W., assignor.) | | | | | |
| 217, 435 | Van Ness, Addison M., Seymour, Iowa. Automatic wagon-brake | July 8, 1879 | 564 | 162 | 16 | 83 |
| | Van Ness, Nicholas. (*See* Teas, Andrew, assignor.) | | | | | |
| 211, 872 | Van Noorden, Ezekiel, Boston, Mass. Ventilator | Feb. 4, 1879 | 57 | 17 | 15 | 133 |
| 211, 873 | Van Riper, James H., New York, N. Y. Piston-packing | Feb. 4, 1879 | 58 | 18 | 15 | 133 |
| 214, 973 | Van Osdel, Oliver W., assignor of one-half interest to J. A. Sherriff and P. Roberts, Aledo, Ill. Check-row attachment for corn-planters | Apr. 29, 1879 | 1458 | 406 | 15 | 692 |
| 222, 165 | Van Patten, Frederick, and G. W. Perry, Auburn, N. Y. Grate-bar | Dec. 2, 1879 | 55 | 14 | 16 | 1016 |
| 219, 786 | Van Riper, Edgar N., and H. S. Seely, Hayt's Corners, N. Y. Bent for frame buildings. | Sept. 16, 1879 | 832 | 230 | 16 | 536 |
| 220, 448 | Van Ruyven, Cornelius R., Deventer, Netherlands. Automatic switch apparatus ... | Oct. 7, 1879 | 261 | 70 | 16 | 671 |
| 214, 327 | Van Sickle, Edward J., New York, N. Y. Joint for sheet-metal tubing | Apr. 15, 1879 | 722 | 203 | 15 | 581 |
| 211, 358 | Van Sickle, Garrett, Shortsville, N. Y. Hay-elevator | Jan. 14, 1879 | 338 | 99 | 15 | 44 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 215, 996 | Vanstone, Samuel, assignor of one-half interest to J. A. Tillinghast, Providence, R. I. Caster | May 27, 1879 | 1161 | 338 | 15 | 874 |
| | Van Tine, H. C., *et al.* (*See* Arbogast, Philip, assignor.) | | | | | |
| | Van Tronk, Herman B. (*See* Frishmuth & Van Tronk.) | | | | | |
| | Van Vlear, W. H., *et al.* (*See* Norton, George, assignor.) | | | | | |
| 218, 342 | Vanvleet, Willard B., Vincennes, Iowa. Fence | Aug. 5, 1879 | 260 | 70 | 16 | 255 |
| 218, 147 | Van Wagenen, John J., Syracuse, and J. Butler, Oswego, N. Y. Locomotive-pilot and snow-plow | Aug. 5, 1879 | 47 | 13 | 16 | 227 |
| 222, 967 | Van Wagoner, Thomas, Newark, N. J. Sash-cord guide | Dec. 23, 1879 | 997 | 286 | 16 | 1178 |
| 222, 551 | Van Why, Joseph M., Elmira, N. Y., assignor of one-half interest to C. R. Skelton. Car-coupling | Dec. 9, 1879 | 501 | 141 | 16 | 1086 |
| | Van Zandt & Bixby. (*See* Follett, Edward P., assignor.) | | | | | |
| 221, 632 | Vardell, Robert B., Dardanelle, Ark. Bridge | Nov. 11, 1879 | 570 | 158 | 16 | 900 |
| 217, 756 | Varney, Almon L., West Troy, N. Y. Projectile | July 22, 1879 | 946 | 272 | 16 | 155 |
| 212, 288 | Vassar, Matthew, 2d, Ballston Spa, N. Y. Leather-gage | Feb. 11, 1879 | 531 | 149 | 15 | 197 |
| 212, 769 | Vaughan, Aaron C., Shane's Crossing, Ohio. Nut-lock | Feb. 25, 1879 | 1107 | 307 | 15 | 285 |
| 219, 783 | Same ..... same | Sept. 16, 1879 | 830 | 229 | 16 | 536 |
| 218, 604 | Vaughan, Frank, Elizabeth City, N. C. Life-preserver | Aug. 12, 1879 | 569 | 161 | 16 | 309 |
| 212, 874 | Vaughan, Henry M., Newton, Iowa, Barbed fence-wire | Mar. 4, 1879 | 110 | 32 | 15 | 312 |
| 223, 019 | Vaughan, Henry W., assignor to O. A. Taft, jr., Providence, S. E. Wood, Lincoln, and E. Thayer, Pawtucket, R. I. Coloring fibrous material | Dec. 30, 1879 | 1061 | ..... | 16 | 1197 |
| 222, 612 | Vaughan, Thomas, Boston, Mass. Show-case | Dec. 16, 1879 | 590 | 168 | 16 | 1199 |
| 222, 754 | Vaughan, William W., and J. J. Thom, Brownsville, Mo. Medicated band or belt | Dec. 16, 1879 | 743 | 213 | 16 | 1131 |
| | Vaufier, Charles H. (*See* Seamen, Eber C., assignor.) | | | | | |
| | Vellines, Benton H. (*See* Johnson, Josee, assignor) ..... (Reissue.) | | | | | |
| 211, 535 | Vellines, Benton H., Norfolk, Va. Machine for cleaning peanuts | Jan. 21, 1879 | 536 | 151 | 15 | 71 |
| 218, 694 | Verckler, Joseph J., assignor of one-half interest to F. W. Wheeler, San Leandro, Cal. Pump-operating mechanism | Aug. 19, 1879 | 686 | 194 | 16 | 333 |
| 223, 195 | Verdery, Auguste N., Atlanta, Ga. Combined harvesting, thrashing, and cleaning machine | Dec. 30, 1879 | 1254 | 355, 356 | 16 | 1223 |
| | Vermont Farm Machine Company. (*See* Butler, Francis G., assignor.) | | | | | |
| | Same ..... (*See* Ford & Butler, assignors.) | | | | | |
| 213, 714 | Véron, Paul L. V., and E. Edeline, Paris, France. Railway-car brake | Mar. 25, 1879 | 1071 | 304 | 15 | 460 |
| 221, 483 | Verrue, Ernest J., San Francisco, Cal. Hydraulic waste-pipe cleaner | Nov. 11, 1879 | 405 | 110 | 16 | 876 |
| 222, 968 | Vestal, Walter M., Marcella Falls, Tenn. Fan attachment | Dec. 23, 1879 | 998 | 286 | 16 | 1178 |
| 216, 586 | Vester, Adolph, Providence, R. I. Plated jewelry | June 17, 1879 | 663 | 189 | 15 | 986 |
| 222, 755 | Same ..... Bracelet | Dec. 16, 1879 | 743 | 213 | 16 | 1131 |
| | Vette, John F. (*See* Porter & Vette.) | | | | | |
| | Vibbard, Charles H., *et al.* (*See* Dean, Cyrus S., assignor.) | | | | | |
| | Vickenhiser, John. (*See* Moore, Samuel W., assignor.) | | | | | |
| 215, 997 | Vickers, George, assignor to D. M. Osborne, Auburn, N. Y. Driving-chain | May 27, 1879 | 1162 | 338 | 15 | 874 |
| | Victor Sewing Machine Company. (*See* Pratt, George M., assignor) ..... (Reissue.) | | | | | |
| 213, 262 | Vienot, Jules P., New York, N. Y. Expansible and contractible core for rolls of paper | Mar. 11, 1879 | 578 | 161 | 15 | 379 |
| 222, 756 | Viets, Philo H., Birmingham, Conn. Ventilator | Dec. 16, 1879 | 743 | 214 | 16 | 1131 |
| 218, 907 | Vignoles, Henry, Westminister, England. Rail-joint | Aug. 26, 1879 | 957 | 268, 269 | 16 | 380 |
| | Vinal, Charles A., *et al.* (*See* Osborne, Wilbur F., assignor.) | | | | | |
| 212, 770 | Vincent, George, Stockton, Cal. Car-truck | Feb. 25, 1879 | 1108 | 308 | 15 | 285 |
| 212, 771 | Same ..... same | Feb. 25, 1879 | 1109 | 308 | 15 | 285 |
| 219, 837 | Same .... Propeller for vessels | Sept. 23, 1879 | 905 | 249 | 16 | 555 |
| 214, 475 | Vineyard, John W., Gallatin, Tenn. Breast-yoke connection | Apr. 15, 1879 | 879 | 248 | 15 | 602 |
| 8, 910 | Vinton, John H., Bridgeport, Conn., assignor to F. Armstrong. Screw-cutting die. (Reissue) | Sept. 30, 1879 | 1345 | 371 | 16 | 625 |
| 212, 413 | Vinton, John H., assignor to F. Armstrong, Bridgeport, Conn. Lathe-chuck | Feb. 18, 1879 | 685 | 191 | 15 | 220 |
| 221, 633 | Same ..... Pipe-wrench | Nov. 11, 1879 | 571 | 158 | 16 | 901 |
| 217, 560 | Vivarttas, Aloha, New York, N. Y. Machine for bending metal | July 15, 1879 | 715 | 204 | 16 | 116 |
| 213, 263 | Vizet, Victor, New York, N. Y. Picture-support | Mar. 11, 1879 | 579 | 161 | 15 | 379 |
| 213, 264 | Same ..... Plate-holder | Mar. 11, 1879 | 580 | 161 | 15 | 379 |
| 218, 605 | Vliet, John B., Dartford, assignor of one-half interest to W. Wilkie and P. Swenson, Fond du Lac, Wis. Fluid propeller or motor | Aug. 12, 1879 | 571 | 161 | 16 | 309 |
| 218, 327 | Voelker, George W., assignor of one-half interest to E. L. Cook, Woonsocket, R. I. Horseshoe-pad | Sept. 2, 1879 | 311 | 88 | 16 | 451 |
| 211, 445 | Vogan, William, Newcastle, Pa. Gate | Jan. 14, 1879 | 436 | 123 | 15 | 56 |
| | Vogel, Hugo. (*See* Bielefeld, Eibach & Vogel.) | | | | | |
| 215, 416 | Vogel, Raphael, assignor to T. A. Vogel, Philadelphia, Pa. Vest | May 13, 1879 | 506 | 150 | 15 | 770 |
| | Vogel, T. A. (*See* Vogel, Raphael, assignor.) | | | | | |
| | Vohringer, Fred. (*See* Holzner & Winstandley, assignors.) | | | | | |
| | Voigt, Edward W. (*See* Hinden, Matthias J., assignor.) | | | | | |
| 221, 374 | Volk, Friedrich L., New York, N. Y. Neck-band shaper | Nov. 4, 1879 | 262 | 71 | 16 | 849 |
| 223, 196 | Völkel, Emil R., New York, N. Y. Taping furs | Dec. 30, 1879 | 1256 | 356 | 16 | 1223 |
| 211, 279 | Vollschintz, Rudolph, Elizabeth, N. J. Embroidering attachment for sewing-machines | Jan. 7, 1879 | 218 | 64 | 15 | 28 |
| 219, 328 | Vom Hofe, Edward C., New York, N. Y. Fishing-line reel | Sept. 2, 1879 | 311 | 88 | 16 | 451 |
| 221, 558 | Vom Hofe, William, New York, N. Y. Bottle-stopper | Nov. 11, 1879 | 495 | 135 | 16 | 889 |
| 213, 014 | Von Beust, Max, New Albany, Ind. Combined breast-pump and syringe | Mar. 4, 1879 | 284 | 79 | 15 | 333 |
| 216, 136 | Von Binzer, Julius, and E. Bentzen, Salzburg, Austria. Screw-propeller | June 3, 1879 | 134 | 40 | 15 | 902 |
| | Von Bremsen, Theodore, *et al.* (*See* Weber, Theodore A., assignor.) | | | | | |
| 214, 266 | Von Cort, Charlotte A., and S. A. Shepherd, Washington, D. C. Sewing-machine treadle | Apr. 15, 1879 | 642 | 180 | 15 | 571 |
| 218, 201 | Von Cort, Charlotte A., Washington, D. C. Sewing-machine treadle | Aug. 5, 1879 | 112 | 30 | 16 | 235 |
| 222, 757 | Von Laer, James P. W., Washington, D. C. Temporary binder for books | Dec. 16, 1879 | 744 | 214 | 16 | 1131 |
| 211, 280 | Von Loehr, August, Vienna, Austria. Self-winding watch | Jan. 7, 1879 | 220 | 64 | 15 | 28 |
| 213, 715 | Von Mengden, Eduard. Cologne, Prussia, Germany. Climbing apparatus | Mar. 25, 1879 | 1072 | 305 | 15 | 460 |
| 218, 145 | Von Theinburg, Paul P., Vienna, Austria. Apparatus for cooling air | Aug. 5, 1879 | 46 | 13 | 16 | 226 |
| | Voorhees, James L., *et al.* (*See* McQuire, Michael, assignor.) | | | | | |
| | Voorhees, John S., *et al.* (*See* McQuire, Michael, assignor.) | | | | | |
| 219, 662 | Voorhees, Philip R., New York, N. Y. Steering ships by steam and other power | Sept. 16, 1879 | 698 | 193, 194 | 16 | 518 |
| 214, 328 | Vose, Richard, New York, N. Y. Car-spring | Apr. 15, 1879 | 723 | 203 | 15 | 582 |
| 214, 329 | Same ..... same | Apr. 15, 1879 | 724 | 203 | 15 | 582 |
| 216, 242 | Voss, C. N. Adolph, Gloucester, Mass. Fishing apparatus | June 3, 1879 | 243 | 73 | 15 | 916 |
| | Voss, Edward, *et al.* (*See* Brown, Thomas T., assignor.) | | | | | |
| | Voss, James M. (*See* Benway, Rouse & Voss.) | | | | | |
| | Vulcanite Manufacturing Company. (*See* French, Henry R., assignor.) | | | | | |
| 221, 634 | Vulpius, Edler H. C. A. T., assignor to S. E. Griscom, Pottsville, Pa. Millstone-dressing machine | Nov. 11, 1879 | 572 | 158 | 16 | 901 |
| | Wacher, Charles, *et al.* (*See* Goldmann, Benno, assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Waddell, S. H. (*See* Burrows, William T., assignor.) | | | | | |
| 215, 998 | Waddell, Virgil B., and J. F. Sample, Austin, Miss.; J. B. Perkins, administrator of said Sample assignor to said Waddell. Ventilating hats | May 27, 1879 | 1163 | 338 | 15 | 874 |
| 223, 198 | Wade, Edward, assignor of one-half interest to H. B. Thompson, Lawrence, Mass. Shedding mechanism for looms | Dec. 30, 1879 | 1257 | 357 | 16 | 1224 |
| 223, 197 | Wade, Elijah, and W. McAulay, Quitman, Ga. Horse-power | Dec. 30, 1879 | 1256 | 356 | 16 | 1224 |
| 220, 211 | Wade, Jeremiah A., Cherokee, Iowa. Flax-seed separator | Sept. 30, 1879 | 1338 | 369 | 16 | 624 |
| 218, 344 | Wade, Oron W., and D. G. White, Oskaloosa, Iowa. Pendulum | Aug. 5, 1879 | 262 | 71 | 16 | 255 |
| | Wade, William H., *et al.* (*See* Heckmann, Louis, assignor.) | | | | | |
| 222, 166 | Wadsworth, George, Boston, Mass., and J. F. Smith, New York, N. Y.; said Wadsworth assignor to said Smith. Brush | Dec. 2, 1879 | 56 | 14 | 16 | 1017 |
| 211, 808 | Wadsworth, Herbert, Hohokus Township, Bergen County, N. J., assignor to Hopkins & Dickinson Manufacturing Company, New York, N. Y. Combined rose and escutcheon | Jan. 28, 1879 | 869 | 243 | 15 | 118 |
| 213, 079 | Wadsworth, Herbert, Geneseo, N. Y. Device for placing the working of more than one engine or mechanism under the control of a single lever | Mar. 11, 1879 | 369 | 104 | 15 | 353 |
| 218, 343 | Same.....Anvil | Aug. 5, 1879 | 261 | 70, 71 | 16 | 255 |
| 214, 211 | Wager, William H., Genoa, Ill. Barb-wire fence | Apr. 8, 1879 | 560 | 158 | 15 | 551 |
| | Wagner, Anna G. (*See* Wagner, Ausbert H., assignor.) | | | | | |
| 211, 281 | Wagner, Ausbert H., assignor to A. G. Wagner, Chicago, Ill. Grinding-mill | Jan. 7, 1879 | 221 | 64, 65 | 15 | 29 |
| 211, 948 | Same.....same | Feb. 4, 1879 | 142 | 41 | 15 | 144 |
| 218, 648 | Wagner, Carl F., Buda-Pesth, Hungary, Austria, assignor to L. A. Wagner, Havana, Cuba. Railway-tie | Aug. 19, 1879 | 638 | 180 | 16 | 326 |
| 217, 914 | Wagner, Jacob, jr., Chicago, Ill. Wheel-cultivator | July 29, 1879 | 1135 | 324 | 16 | 186 |
| 222, 613 | Wagner, Jacob, Montgomery, Ala. Fastening device for hat-racks | Dec. 16, 1879 | 591 | 168 | 16 | 1109 |
| | Wagner, John F. (*See* Blatt, Charles P., assignor.) | | | | | |
| | Wagner, Julius. (*See* Cooper & Wagner.) | | | | | |
| | Wagner, Louis A. (*See* Wagner, Carl F., assignor.) | | | | | |
| | Wagner, Sylvester J. (*See* Mehling, John A., assignor.) | | | | | |
| | Wagoner, Daniel, *et al.* (*See* Dilts, Andrew, assignor.) | | | | | |
| 221, 635 | Wahl, George, and B. Weimann, New York, N. Y. Glass dish | Nov. 11, 1879 | 573 | 158 | 16 | 901 |
| 213, 015 | Wahl, William H., and E. Y. Eltonhead, assignors of one-third interest to C. H. Horne, Philadelphia, Pa. Galvanizing and tinning iron | Mar. 4, 1879 | 285 | 79 | 15 | 333 |
| 220, 449 | Same.....Manufacture of chloride of zinc | Oct. 7, 1879 | 262 | ..... | 16 | 671 |
| 221, 200 | Same.....Galvanizing metal | Nov. 4, 1879 | 66 | ..... | 16 | 821 |
| | Wait, Justin B. (*See* Scofield, Levi, assignor.) | | | | | |
| 217, 655 | Wait, Oscar E., Rockport, Mass. Spool and bobbin | July 15, 1879 | 821 | 234 | 16 | 129 |
| 216, 986 | Waite, Enoch, Franklin, Mass. Manufacture of felted fabrics | July 1, 1879 | 64 | 20 | 16 | 11 |
| 215, 493 | Waite, George W., Hyde Park, and C. Peck, Chicago, Ill. Street-pavement | May 20, 1879 | 611 | 179 | 15 | 794 |
| 214, 212 | Waite, Jesse F., and S. Gavit, Tyrone, Pa. Steam railway-brake | Apr. 8, 1879 | 561 | 159 | 15 | 551 |
| | Waite, Nelson. (*See* Howe & Waite.) | | | | | |
| 215, 697 | Waitt, George L., assignor to S. L. Garrett, Philadelphia, Pa. Door-hanger | May 20, 1879 | 834 | 243 | 15 | 823 |
| 218, 345 | Wakaman, Archer, Cape Vincent, N. Y. Trolling-hook | Aug. 5, 1879 | 263 | 71 | 16 | 255 |
| 220, 949 | Wakefield, John E., Worcester, Mass. Folding chair | Oct. 28, 1879 | 875 | 234 | 16 | 776 |
| 217, 177 | Wakefield, Oscar, assignor to O. Waters, Bloomington, Ill. Paper-piler for printing-presses | July 1, 1879 | 274 | 81 | 16 | 38 |
| | Wakefield Rattan Company. (*See* Sargent, John S., assignor.) | | | | | |
| 220, 319 | Wakeley, Charles T., Madison, Wis., assignor of one-half interest to W. E. Spencer, Washington, D. C. Bag-tie | Oct. 7, 1879 | 124 | 34 | 16 | 652 |
| 219, 420 | Wakeman, Abram, jr., New York, N. Y. Coffee-cleaner | Sept. 9, 1879 | 428 | 119 | 16 | 474 |
| 211, 446 | Wakeman, Harwood, and A. Bataille, New York, N. Y. Window-screen | Jan. 14, 1879 | 437 | 123 | 15 | 56 |
| 213, 363 | Wakeman, Harwood, New York, N. Y. Armor for hose | Mar. 18, 1879 | 700 | 196 | 15 | 404 |
| 212, 772 | Wakeman, Jotham W., Jersey City, N. J. Copy-book | Feb. 25, 1879 | 1110 | 309 | 15 | 285 |
| 215, 698 | Walbridge, Alexander S., Mystic, Quebec, Canada. Hand and horse power fire-engine | May 20, 1879 | 834 | 244 | 15 | 824 |
| 216, 917 | Wales, William A., Auburndale, assignor to W. B. Fowle, Newton, Mass. Blank for watch and clock dials | June 24, 1879 | 1047 | 297 | 10 | 1045 |
| 216, 918 | Wales, William A., assignor to W. B. Fowle, Newton, Mass. Tweezers | June 24, 1879 | 1048 | 297 | 15 | 1045 |
| 220, 195 | Same.....Split-second time-register | Sept. 30, 1879 | 1321 | 365 | 16 | 622 |
| | Walke, Henry. (*See* Hibner, Joseph, assignor.) | | | | | |
| 219, 787 | Walker, Adoniram J., Williamsville, Vt. Water-elevating machine | Sept. 16, 1879 | 833 | 230 | 16 | 537 |
| 211, 810 | Walker, Alvin A., Wollaston Heights, Mass. Stove-pipe-damper regulator | Jan. 28, 1879 | 870 | 244 | 15 | 118 |
| 217, 716 | Walker, David, Newark, N. J. Folding crib | July 22, 1879 | 908 | 259 | 16 | 150 |
| 218, 091 | Walker, David A., and J. R. Smith, Fort Benton, Mont. Railway-gate | July 29, 1879 | 1324 | 380 | 16 | 211 |
| | Walker, Dexter H. (*See* Egerton & Green, assignors.) | | | | | |
| | Same.....(*See* Green, H. Morton, assignor.) | | | | | |
| 212, 524 | Walker, Edward, assignor to self and W. Walker, New York, N. Y. Plow | Feb. 18, 1879 | 833 | 231 | 15 | 239 |
| 211, 359 | Walker, Eugene R., Chicago, Ill. Oil-stove | Jan. 14, 1879 | 340 | 99 | 15 | 44 |
| 216, 587 | Walker, George W., New York, N. Y. Protecting the backs of mirrors | June 17, 1879 | 664 | ..... | 15 | 986 |
| 217, 497 | Walker, George W., Malden, Mass. Reservoir cooking-stove | July 15, 1879 | 646 | 184 | 16 | 106 |
| 211, 197 | Walker, Henry A., Milton, assignor to G. Howard, Tarborough, N. C. Cotton-seed planter | Jan. 7, 1879 | 131 | 41 | 15 | 18 |
| 217, 656 | Walker, Henry A., Charlotte, N. C. Steam-engine | July 15, 1879 | 822 | 234 | 16 | 129 |
| 212, 414 | Walker, Hugh R., Joliet, Ill. Locomotive-engine chimney | Feb. 18, 1879 | 686 | 191 | 15 | 220 |
| 214, 267 | Walker, Hugh W., and T. L. Patterson, Greenock, North Britain. Centrifugal machine | Apr. 15, 1879 | 643 | 181 | 15 | 571 |
| 220, 684 | Walker, James F., White Hall, Ill. Corn-planter | Oct. 14, 1879 | 543 | 144 | 16 | 716 |
| | Walker, James J. (*See* Pepper & Walker.) | | | | | |
| 221, 128 | Walker, John, Woodberry, Md. Shaft-coupling | Oct. 28, 1879 | 1073 | 283 | 16 | 802 |
| 213, 016 | Walker, John G. A., Danes Hill, near Retford, England. Device for supporting truck-covers | Mar. 4, 1879 | 286 | 80 | 15 | 333 |
| 216, 476 | Walker, John Z., Winchester, Tex. Insect-exterminator | June 10, 1879 | 533 | 152 | 15 | 960 |
| 221, 375 | Walker, Joseph, Scranton, Pa Universal-joint coupling | Nov. 4, 1879 | 263 | 71 | 16 | 849 |
| 220, 775 | Walker, Joseph H., and J. McIntyre, Worcester, Mass.; said McIntyre assignor to said Walker. Boot and shoe forming machine | Oct. 21, 1879 | 667 | 176, 177 | 16 | 739 |
| 212, 072 | Walker, Nathan U., Wellsville, Ohio. Clay, cement, and other pipes for drains, flues, &c | Feb. 4, 1879 | 286 | 78 | 15 | 161 |
| 221, 127 | Same.....Clay pipe, tile, flue-lining, &c | Oct. 28, 1879 | 1072 | 283 | 16 | 802 |
| 220, 004 | Walker, Russel B., assignor of one-half interest to A. C. Shattuck and H. Lyons, Lansing, Mich. Steam-damper | Sept. 23, 1879 | 1083 | 300 | 16 | 580 |
| 222, 103 | Walker, Samuel, Christiana, Pa. Dish-washing machine | Nov. 25, 1879 | 1134 | 319 | 16 | 994 |
| 221, 006 | Walker, Samuel S., Centreville, R. I. Picker for looms | Oct. 28, 1879 | 946 | 253 | 16 | 786 |
| | Walker, William. (*See* Walker, Edward, assignor.) | | | | | |
| 221, 258 | Walker, William, assignor of one-half interest to G. E. Lillie, Aurora, Ill. Permutation-padlock | Nov. 4, 1879 | 130 | 35 | 16 | 830 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Walker, William L. (*See* Devoe & Walker) (Reissue.) | | | | | |
| 215, 186 | Walker, William R., Ronceverte, W. Va. Churn-dasher | May 6, 1879 | 228 | 67 | 15 | 731 |
| 214, 330 | Walker, Winslow D., assignor to self and G. N. Cate, Marlborough, Mass. Shingling-bracket | Apr. 15, 1879 | 725 | 203 | 15 | 582 |
| 215, 030 | Wallace, Alexander, Pittsburg, Pa. Adjustable clamp for pump-rods | May 6, 1879 | 53 | 16 | 15 | 709 |
| 222, 847 | Wallace, James P., Burlington, Iowa. Pen | Dec. 23, 1879 | 862 | 248 | 16 | 1158 |
| | Wallace, John. (*See* Wallace, William, assignor.) | | | | | |
| 220, 002 | Wallace, Robert, Wallingford, Conn. Manufacture of spoons and forks | Sept. 23, 1879 | 1080 | 299, 300 | 16 | 580 |
| 220, 003 | Same.....Spoon and fork | Sept. 23, 1879 | 1082 | 300 | 16 | 580 |
| | Wallace & Sons. (*See* Bryant, Edson, assignor.) | | | | | |
| | Same.....(*See* Bryant & Russell, assignors.) | | | | | |
| 220, 950 | Wallace, Thomas, Joliet, assignor of five-sixths interest to W. Warren, Chicago Ill., and N. P. Currier, J. C. Jackson, A. S. Beverly, and W. S. Camp, Lockport, N. Y. Process of and apparatus for making middlings from grain | Oct. 28, 1879 | 876 | 234, 235 | 16 | 776 |
| 220, 951 | Same.....Bran-cleaner | Oct. 28, 1879 | 879 | 235 | 16 | 777 |
| 215, 999 | Wallace, William, assignor of one-half interest to J. Wallace, Philadelphia, Pa. Carpet fabric | May 27, 1879 | 1164 | 338 | 15 | 874 |
| 211, 360 | Wallace, William V., Dorset, Vt. Piano-caster | Jan. 14, 1879 | 341 | 99 | 15 | 44 |
| 216, 069 | Wallace, William V., assignor to A. B. Armstrong, Dorset, Vt. Whiffletree | June 3, 1879 | 68 | 19 | 15 | 893 |
| 222, 552 | Wallberg, William F., Brooklyn, N. Y. Brake for baby-carriages | Dec. 9, 1879 | 502 | 141 | 16 | 1086 |
| 217, 915 | Wallenborn, Peter, Chicago, Ill. Clothes-line reel and support | July 29, 1879 | 1136 | 325 | 16 | 187 |
| | Wallerius, Franz J. (*See* Mamer & Wallerius.) | | | | | |
| 218, 410 | Walling, Edmund P., Prairie Valley, Tex. Apparatus for washing dishes and table-cutlery | Aug. 12, 1879 | 345 | 95 | 16 | 278 |
| 212, 525 | Walling, Stephen P., South Edmeston, N. Y. Millstone-adjustment | Feb. 18, 1879 | 833 | 231 | 15 | 240 |
| 218, 346 | Same..... Grinding-mill | Aug. 5, 1879 | 264 | 72 | 16 | 255 |
| 211, 811 | Walls, Henry D., Philadelphia, Pa. Hand planing-machine | Jan. 28, 1879 | 871 | 244 | 15 | 118 |
| 222, 334 | Walls, Lemuel R., Georgetown, Del. Wind-wheel | Dec. 2, 1879 | 244 | 66 | 16 | 1042 |
| 213, 308 | Walrath, Andrew J., Augusta, Wis. Trunk | Mar. 18, 1879 | 642 | 181 | 15 | 396 |
| 212, 579 | Walser, Charles J., Lancaster, Pa. Vehicle-brake | Feb. 25, 1879 | 911 | 251 | 15 | 258 |
| 221, 129 | Walsh, James, assignor of one-half interest to E. Sweeny, New York, N. Y. Vehicle-spring | Oct. 28, 1879 | 1074 | 284 | 16 | 802 |
| | Walsh, John J. (*See* Chrystal & Walsh.) | | | | | |
| 213, 854 | Walsh, Michael P., Brooklyn, N. Y. Dumping-scow | Apr. 1, 1879 | 133 | 39, 40 | 15 | 490 |
| | Walsh, Thaddeus H. (*See* Culver & Walsh.) | | | | | |
| 221, 130 | Walsh, Thaddeus H., New York, N. Y. Asphaltum pipe | Oct. 28, 1879 | 1075 | 284 | 16 | 802 |
| 211, 809 | Walsh, William H., assignor of one-half interest to J. Fowler, Fort Worth, Tex. Tube-fastening for boilers | Jan. 28, 1879 | 869 | 244 | 15 | 118 |
| 216, 490 | Walsh, Zachariah, Newark, N. J. Umbrella | June 10, 1879 | 545 | 156 | 15 | 962 |
| 213, 477 | Walter, Jacob C., Leonardsville, N. Y. Side-bar vehicle | Mar. 18, 1879 | 804 | 227 | 15 | 417 |
| 218, 347 | Walter, Joseph, New York, N. Y. Combined water-cooler and refrigerator | Aug. 5, 1879 | 265 | 72 | 16 | 255 |
| 220 450 | Walters, Benjamin F., Norfolk, Va. Peanut cleaning and polishing apparatus | Oct. 7, 1879 | 262 | 70, 71 | 16 | 671 |
| | Walters, John. (*See* Odell, Charles F., assignor.) | | | | | |
| | Walters, Louis C. (*See* Dopp & Walters.) | | | | | |
| 220, 738 | Walton, Anderson, Charleston, Ill. Washing-machine | Oct. 21, 1879 | 618 | 165 | 16 | 734 |
| 222, 214 | Walton, Frederick, Twickenham, Middlesex County, England. Manufacture of embossed fabrics | Dec. 2, 1879 | 111 | 28 | 16 | 1024 |
| | Walton, George M. (*See* White & Walton.) | | | | | |
| 216, 712 | Walton, John L., Bolton, Miss. Window protector and ventilator | June 17, 1879 | 794 | 227 | 15 | 1004 |
| 221, 880 | Walton, Mary E., New York, N. Y. Locomotive and other chimneys | Nov. 18, 1879 | 861 | 241 | 16 | 948 |
| 220, 320 | Walton, Richard, Pittsburg, Pa. Steam-engine | Oct. 7, 1879 | 125 | 34 | 16 | 652 |
| | Walton, Thomas, *et al.* (*See* Hawley, Samuel F., assignor.) | | | | | |
| 212, 875 | Walworth, Caleb C., Boston, Mass. Valve | Mar. 4, 1879 | 110 | 33 | 15 | 312 |
| | Wanamaker & Brown. (*See* Laverty, William A., assignor.) | | | | | |
| | Same.....(*See* Laverty, William A., assignor) (Reissue.) | | | | | |
| 219, 042 | Wands, John C., Louisville, Ky. Car-brake attachment | Aug. 26, 1879 | 1097 | 308 | 16 | 398 |
| 219, 768 | Same.....Car-roof | Sept. 16, 1879 | 835 | 230 | 16 | 537 |
| 219, 542 | Wangaman, Boaz E., Derrick City, Pa. Sand-pump-reel mechanism | Sept 9, 1879 | 549 | 153 | 16 | 491 |
| | Wanger, Henry H. (*See* Hirsch, John C., assignor.) | | | | | |
| 8, 888 | Wansbrough, Edmund, and W. W. Speer, Pittsburg, Pa., assignors to A. Speer & Sons. Plow-cutter (Reissue) | Sept. 9, 1879 | 573 | 160 | 16 | 494 |
| 214, 733 | Ward, Alexander M., New Haven, Conn. Knife-board | Apr. 22, 1879 | 1185 | 333 | 15 | 648 |
| | Ward, Anna, administratrix. (*See* Ward & Irish.) | | | | | |
| | Ward, Barton B. (*See* Brewer & Ward.) | | | | | |
| 218, 148 | Ward, Caleb T., New York, N. Y. Type-writing machine | Aug. 5, 1879 | 48 | 13, 14 | 16 | 227 |
| 220, 451 | Ward, Charles, Charleston, W. Va. Water-tube steam-generator | Oct. 7, 1879 | 264 | 71 | 16 | 671 |
| 213, 716 | Ward, Electus B., Detroit, Mich. Sewer-trap | Mar. 25, 1879 | 1073 | 305 | 15 | 460 |
| 221, 484 | Ward, Elisha, deceased (A. Ward, administratrix), and Z. Irish, Silver Creek, N. Y.; said A. Ward, assignor to said Irish. Corn-sheller | Nov. 11, 1879 | 405 | 111 | 16 | 876 |
| 216, 244 | Ward, John B., San Francisco, Cal. Screw-propeller | June 3, 1879 | 245 | 73 | 15 | 916 |
| 222, 848 | Ward, John C., Haverstock Hill, Middlesex County, Great Britain. Piano-forte | Dec. 23, 1879 | 862 | 248, 249 | 16 | 1158 |
| 217, 306 | Ward, John J., Forsyth, Ill. Bee-hive | July 8, 1879 | 425 | 125 | 16 | 66 |
| 216, 477 | Ward, Lewis F., Marathon, N. Y. Wardrobe-hook | June 10, 1879 | 534 | 153 | 15 | 960 |
| 220, 196 | Ward, Moses N., Cedar Rapids, Iowa. Churn | Sept. 30, 1879 | 1323 | 365 | 16 | 622 |
| 223, 199 | Ward, Owen, Mount Pleasant, assignor of one-third interest to W. T. Miller, Pennville, Ind. Device for taking wheels off vehicles | Dec. 30, 1879 | 1258 | 357 | 16 | 1224 |
| 211, 198 | Ward, Robert A., and R. J. Rogers, Searcy, Ark. Washing-machine | Jan. 7, 1879 | 132 | 41 | 15 | 18 |
| 215, 494 | Ward, William E., Port Chester, N. Y. Manufacture of bolt-blanks | May 20, 1879 | 612 | 179 | 15 | 794 |
| 218, 841 | Same.....Machine for dressing the heads and pointing and threading the shanks of bolts | Aug. 26, 1879 | 877 | 247 | 16 | 368 |
| 218, 094 | Ward, William H., Pittsburg, Pa. Vehicle-wheel hub | July 29, 1879 | 1327 | 381 | 16 | 211 |
| 212, 163 | Wardell, Charles F., assignor of two-thirds interest to F. E. Brown and C. G. Carleton, Chicago, Ill. Leather-cutting gage | Feb. 11, 1879 | 394 | 107 | 15 | 178 |
| 216, 002 | Warden, Benjamin J., Philadelphia, Pa. Dash-board for vehicles | May 27, 1879 | 1166 | 339 | 15 | 874 |
| 221, 636 | Warden, Benjamin J., Cincinnati, Ohio. Fastening attachment for vehicle-dashes | Nov. 11, 1879 | 573 | 159 | 16 | 901 |
| 222, 553 | Same..... Cover for vehicle bows and shafts | Dec. 9, 1879 | 503 | 142 | 16 | 1086 |
| 223, 083 | Warden, Henry, Hannibal, Mo. Canning food | Dec. 30, 1879 | 1137 | ..... | 16 | 1207 |
| 220, 096 | Warden, Joseph L., Harrison Township, Allegheny County, Pa. Air and gas injector. | Sept. 23, 1879 | 1086 | 301 | 16 | 581 |
| 216, 070 | Wardwell, Charles P. S. (M. B. Wardwell, administratrix), Lake Village, N. H. Blind-slat-planing machine | June 3, 1879 | 68 | 19, 20 | 15 | 893 |
| | Wardwell, Marcia B., administratrix. (*See* Wardwell, Charles P. S.) | | | | | |
| | Wardwell, Simon W., jr. (*See* Dodge, Henry A., assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 218,464 | Wardwell, Simon W., jr., Providence, R. I., assignor to Hautin Sewing Machine Company. Wax-thread sewing-machine | Aug. 12, 1879 | 418 | 114, 115, 116, 117 | 16 | 287 |
| 220,197 | Same..... Sewing-machine | Sept. 30, 1879 | 1323 | 365 | 16 | 622 |
| 220,198 | Same..... Shaft-bearing | Sept. 30, 1879 | 1324 | 365 | 16 | 622 |
| 220,776 | Wardwell, Simon W., jr., Providence, R. I. Fishing-reel | Oct. 21, 1879 | 669 | 177 | 16 | 739 |
| 222,215 | Wardwell, Thomas G., and H. A. Currier, Methuen, Mass. Buoy for indicating sunken vessels | Dec. 2, 1879 | 113 | 28 | 16 | 1024 |
| 223,084 | Wareham, Francis M., assignor to B. F. Brundred, Oil City, Pa. Hydrocarbon-burner. | Dec. 30, 1879 | 1138 | 322 | 16 | 1207 |
| 214,536 | Wares, Frank P., Kendall, Pa. Hoop for tanks | Apr. 22, 1879 | 975 | 274 | 15 | 621 |
| 222,104 | Warfield, John H., Kirkwood, Ill. Corn-planter | Nov. 25, 1879 | 1135 | 320 | 16 | 994 |
| 214,331 | Warfield, Oliver D., Chicopee Falls, Mass., assignor to Winchester Repeating Arms Company, New Haven, Conn. Sight for fire-arms | Apr. 15, 1879 | 726 | 204 | 15 | 582 |
| 217,717 | Same..... same | July 22, 1879 | 909 | 260 | 16 | 150 |
| 211,282 | Waring, Arthur B., Concord Junction, Mass. Sweat-leather for hats | Jan. 7, 1879 | 224 | 65 | 15 | 29 |
| | Waring Car Manufacturing Company. (*See* Waring, John B., assignor.) | | | | | |
| | Waring, Edward J. (*See* Asper, Benjamin F., assignor.) | | | | | |
| 217,965 | Waring, John B., assignor of part interest to C. L. Chase and F. Winters, jr., New York, N. Y. Air-compressor | July 29, 1879 | 1187 | 340 | 16 | 193 |
| 218,092 | Waring, John B., New York, N. Y., assignor, by mesne assignments, to Waring Car Manufacturing Company. Engine-frame for street-cars | July 29, 1879 | 1324 | 380 | 16 | 211 |
| 218,093 | Waring, John B., assignor of part interest to C. L. Chase and F. Winters, jr., New York, N. Y. Valve for air-expansion and other cylinders | July 29, 1879 | 1326 | 381 | 16 | 211 |
| 218,202 | Waring, John T., Concord Junction, Mass. Manufacture of wool hat-bodies faced with fur | Aug. 5, 1879 | 113 | 30 | 16 | 235 |
| | Warnant, Julien. (*See* Kaufmann & Warnant.) | | | | | |
| | Warnecke, Conrad, sr., *et al.* (*See* Hofmann, Franz, assignor.) | | | | | |
| 8,544 | Warner, Alexander, New York, N. Y. Preparation of boned pork hams and shoulders. (Reissue) | Jan. 21, 1879 | 628 | 177 | 15 | 83 |
| 215,256 | Warner, Arthur H., New York, N. Y. Bottle-stopper lock | May 13, 1879 | 330 | 97 | 15 | 747 |
| 211,812 | Warner, Carlos S., Brooklyn, N. Y. Water-elevator bucket | Jan. 28, 1879 | 872 | 244 | 15 | 118 |
| | Warner, C. S. and L. C. (*See* Warner, Lucius C., assignor.) | | | | | |
| 215,082 | Warner, Francis F., assignor of one-half interest to G. A. Brady, Chicago, Ill. Type-writing machine | May 6, 1879 | 109 | 33 | 15 | 716 |
| 216,635 | Warner, Hannah C., Woodbury, N. J. Cooler for butter-workers | June 17, 1879 | 713 | 204 | 15 | 993 |
| | Warner, Henry W. (*See* Sanderson, John H., assignor.) | | | | | |
| | Warner, Ira D. (*See* Tallman, John E., assignor.) | | | | | |
| 222,105 | Warner, Isaac J., Watertown, Conn. Device for stopping horses | Nov. 25, 1879 | 1136 | 320 | 16 | 995 |
| 214,213 | Warner, Leman A., Freeport, Ill. Door-spring | Apr. 8, 1879 | 561 | 159 | 15 | 551 |
| | Warner, Lucien C. (*See* Tallman, John C., assignor.) | | | | | |
| 221,433 | Warner, Lucius C., Alvin, Ill., assignor to C. S. and L. C. Warner, Brooklyn, N. Y. Apparatus for showing the aeration of water | Nov. 11, 1879 | 344 | 95 | 16 | 869 |
| | Warner, Sterling H., *et al.* (*See* Wolcott, Henry, assignor.) | | | | | |
| 220,739 | Warnock, David, Living Spring, Iowa. Washing-machine | Oct. 21, 1879 | 619 | 165 | 16 | 734 |
| 215,699 | Warnock, Walter F., assignor to T. W. Morrison, Newark, N. J. Zigzag-sewing machine | May 20, 1879 | 835 | 244 | 15 | 824 |
| 219,372 | Warr, George M., Chelsea, Mass. Surcingle | Sept. 9, 1879 | 372 | 105 | 16 | 467 |
| | Warren & Co., S. D. (*See* Longley, William L., assignor.) | | | | | |
| 8,982 | Warren, Cyrus M., Brookline, Mass. Concrete pavement (Reissue) | Nov. 25, 1879 | 1156 | ..... | 16 | 998 |
| 217,916 | Same..... Composite roof | July 29, 1879 | 1137 | 325 | 16 | 187 |
| 217,917 | Same..... same | July 29, 1879 | 1138 | 325 | 16 | 187 |
| 220,321 | Warren, Ebenezer B., Philadelphia, Pa. Artificial fuel | Oct. 7, 1879 | 127 | ..... | 16 | 652 |
| | Warren, Edward S. (*See* Miller, Charles H., assignor.) | | | | | |
| | Warren, J. H. (*See* Jacoby, Josiah, assignor.) | | | | | |
| 216,243 | Warren, John S., Gardiner, Me. Paper-pulp screen | June 3, 1879 | 244 | 73 | 15 | 916 |
| 216,001 | Warren, Lucinda, Providence, R. I. Dish-washer | May 27, 1879 | 1165 | 339 | 15 | 874 |
| 219,543 | Warren, Marion, Penn Yan, N. Y. Clothes-pin | Sept. 9, 1879 | 550 | 154 | 16 | 491 |
| | Warren, Nathaniel E. (*See* Williams & Warren.) | | | | | |
| 216,000 | Warren, Seth K., Louisville, Ky. Churn-dasher | May 27, 1879 | 1165 | 339 | 15 | 874 |
| | Warren, Wallace, *et al.* (*See* Wallace, Thomas, assignor.) | | | | | |
| 220,005 | Warren, Zenas C., New York, N. Y. Manufacture of sulphate of lime | Sept. 23, 1879 | 1084 | 301 | 16 | 580 |
| 213,959 | Warriner, William A., Franklin Township, Gloucester County, N. J. Car-starter | Apr. 1, 1879 | 243 | 71 | 15 | 504 |
| 213,017 | Warth, Albin, Stapleton, N. Y. Machine for cutting textile and other fabrics | Mar. 4, 1879 | 287 | 81 | 15 | 334 |
| 216,245 | Same..... Cloth-cutting machine | June 3, 1879 | 246 | 74 | 15 | 916 |
| 220,007 | Same..... Mechanical movement | Sept. 23, 1879 | 1088 | 301 | 16 | 581 |
| 222,106 | Same..... Device for holding reins | Nov. 25, 1879 | 1137 | 320 | 16 | 995 |
| | Warwick, Alfred T. (*See* Warwick, Joseph and A. T.) | | | | | |
| 213,960 | Warwick, John, Medo, Minn., and W. S. Marshall, Batavia, Ill. Windmill | Apr. 1, 1879 | 244 | 71 | 15 | 504 |
| 215,417 | Warwick, John, Medo, Minn., W. S. Marshall, Batavia, Ill., and A. Simpson, Owatonna, Minn. Device for changing speed | May 13, 1879 | 507 | 150 | 15 | 771 |
| 213,717 | Warwick, Joseph, and A. T. Franklin, assignors of one-half interest to S. Cleaver, West Carrollton, Ohio. Plow-sulky | Mar. 25, 1879 | 1074 | 365 | 15 | 460 |
| 223,085 | Warwick, William, Pittsburg, Pa. Spring attachment for harness | Dec. 30, 1879 | 1140 | 322 | 16 | 1207 |
| 214,476 | Washburn, Amos W., Greenville, Pa. Plow | Apr. 15, 1879 | 879 | 248 | 15 | 602 |
| 213,214 | Washburn, Benjamin D., Boston, Mass. Blind-hinge | Apr. 8, 1879 | 562 | 159 | 15 | 551 |
| 213,151 | Washburn, Cadwallader C., Madison, Wis. Apparatus for collecting flour and other dust from flour-mills | Mar. 11, 1879 | 461 | 128 | 15 | 364 |
| | Washburn & Moen Manufacturing Company. (*See* Brinkerhoff, Jacob and W. M., assignors.) | | | | | |
| | Same..... (*See* Fay, Rimmon C., assignor.) | | | | | |
| | Same..... (*See* Gates, Adelbert, assignor.) | | | | | |
| | Same..... (*See* Higgins, Campbell P., assignor.) | | | | | |
| | Same..... (*See* Lambert, George A., assignor.) | | | | | |
| | Same..... (*See* Morgan & Young, assignors.) | | | | | |
| | Same..... (*See* Purdy, Stacy D., assignor) (Reissue.) | | | | | |
| | Same..... (*See* Stover, Daniel C., assignor.) | | | | | |
| | Same..... (*See* Wilson, Henry P., assignor.) | | | | | |
| 212,825 | Washburn, Nathan, Hartford, Conn. Chilled car-wheel | Mar. 4, 1879 | 50 | 16 | 15 | 304 |
| 213,265 | Washburn, Wallace E., Sacket's Harbor, N. Y. Hampering-pad for horses | Mar. 11, 1879 | 580 | 161 | 15 | 379 |
| 222,216 | Washburne, S. Carl, Sing Sing, N. Y. Toy gun | Dec. 2, 1879 | 114 | 28 | 16 | 1024 |
| 218,908 | Wason, Lyman P., Salem, Mass. Machine for boarding leather | Aug. 26, 1879 | 958 | 269 | 16 | 380 |
| 218,411 | Wassmer, Ulrich, and W. P. Yoe, Cincinnati, Ohio, assignors to said Wassmer. Baking-pan | Aug. 12, 1879 | 346 | 95 | 16 | 278 |
| 211,874 | Wasson, Warren, Carson City, Nev. Apparatus for bathing | Feb. 4, 1879 | 58 | 18 | 15 | 133 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Waterbury Buckle Company. (*See* Smith, Earl A., assignor.) | | | | | |
| 214, 537 | Waterbury, Daniel, Kalamazoo, Mich. Spring harrow or drag | Apr. 22, 1879 | 976 | 274 | 15 | 621 |
| 220, 777 | Waterhouse, Addison G., assignor of one-half interest to B. B. Brewer, Sacramento, Cal. Steam or water engine | Oct. 21, 1879 | 670 | 177 | 16 | 740 |
| | Waterhouse, Columbus. (*See* Parsons, Plummer H., assignor.) | | | | | |
| | Waterhouse, Rufus. (*See* Selvage, Howard, assignor.) | | | | | |
| 218, 606 | Waterman, Amelia U., Troy, assignor of one-half interest to M. Dessert, Green Island, N. Y. Collar | Aug. 12, 1879 | 573 | 162 | 16 | 309 |
| | Waterproof Celluloid Cuff and Collar Company. (*See* Sanborn, Albert A., assignor.) | | | | | |
| 217, 178 | Waters, Elisha, Troy, N. Y. Camp-stool | July 1, 1879 | 274 | 81 | 16 | 38 |
| 219, 044 | Waters, Frank, Cambridge, England. Roofing-tile | Aug. 26, 1879 | 1099 | 308 | 16 | 398 |
| | Waters, Orin. (*See* Wakefield, Oscar, assignor.) | | | | | |
| 219, 043 | Waters, Samuel L., Genoa, Ill. Harrow | Aug. 26, 1879 | 1098 | 308 | 16 | 398 |
| 222, 107 | Waters, Thomas S., Baltimore, Md. Combined burr-holder and spirit-lamp | Nov. 25, 1879 | 1138 | 320 | 16 | 995 |
| 212, 876 | Waterworth, Alexander M., Baltimore, Md. Hose-support | Mar. 4, 1879 | 112 | 33 | 15 | 312 |
| 213, 597 | Watkeys, Henry, Syracuse, N. Y. Car-axle | Mar. 25, 1879 | 946 | 269 | 15 | 443 |
| 214, 069 | Same same | Apr. 8, 1879 | 414 | 117 | 15 | 532 |
| 213, 018 | Watkin, Henry S. S., Woolwich, England. Surveying-instrument | Mar. 4, 1879 | 288 | 81, 82 | 15 | 334 |
| 218, 649 | Watkins, Albert H., Boston, Mass. Fan attachment | Aug. 19, 1879 | 639 | 180 | 16 | 326 |
| 220, 554 | Watkins, Alfred E., assignor of one-half interest to S. H. and J. F. Adams and J. S. Williams, Baltimore, Md. Gas generator and burner | Oct. 14, 1879 | 399 | 104 | 16 | 696 |
| 218, 348 | Watkins, Edward L., San Antonio, Tex. Rotary valve and seat | Aug. 5, 1879 | 265 | 72 | 16 | 255 |
| 221, 637 | Watkins, Frank, Mount Vernon, Ohio. Hay-cap | Nov. 11, 1879 | 574 | 159 | 16 | 901 |
| | Watkins, Gardner A. (*See* Heywood & Watkins.) | | | | | |
| 216, 246 | Watkins, John E., and S. D. Bryant, Smithfield, Ky. Meat-carrier | June 3, 1879 | 248 | 74 | 15 | 916 |
| 8, 587 | Watkinson, George, New Haven, Conn., assignor to L. Candee & Co. India-rubber boot (Reissue) | Feb. 18, 1879 | 846 | 235 | 15 | 241 |
| 212, 289 | Watkinson, George, assignor to L. Candee & Co., New Haven, Conn. India-rubber boot | Feb. 11, 1879 | 532 | 149 | 15 | 197 |
| 214, 332 | Same Manufacture of rubber boots | Apr. 15, 1879 | 726 | 204 | 15 | 582 |
| 220, 778 | Same Rubber boot | Oct. 21, 1879 | 672 | 178 | 16 | 740 |
| | Watrous, James J. (*See* Holden, Elbridge G., assignor.) | | | | | |
| 217, 757 | Watrous, Seth S., and W. Gerber, Fremont Center, Mich. Car-coupling | July 22, 1879 | 947 | 272 | 16 | 155 |
| 218, 096 | Watrous, Thomas A., Wellsborough, Pa. Device for preventing cows from kicking | July 29, 1879 | 1330 | 382 | 16 | 212 |
| 217, 835 | Watry, Nicholas, San Francisco, Cal. Nose-clamp for eyeglasses | July 22, 1879 | 1034 | 296 | 16 | 166 |
| 217, 966 | Watson, Clarence L., assignor to Gould, Watson & Co., Attleborough, Mass. Button and stud fastening | July 29, 1879 | 1189 | 341 | 16 | 194 |
| 222, 969 | Watson, Edwin J., Worcester, Mass. Annealing apparatus | Dec. 23, 1879 | 998 | 286 | 16 | 1178 |
| 216, 003 | Watson, James, Marinette, Wis. Domestic oven | May 27, 1879 | 1167 | 339 | 15 | 874 |
| 220, 044 | Watson, James, assignor to W. T. Mann, J. G. and A. Chapman, H. Shield, and A. Speirs, London, England. Baling-press | Sept. 30, 1879 | 1145 | 316 | 16 | 596 |
| 222, 217 | Watson, James, London, assignor to W. T. Mann, J. G. and A. Chapman, H. Shield, and A. Speirs, Liverpool, England. Valve-box for pumps | Dec. 2, 1879 | 115 | 29 | 16 | 1024 |
| 222, 534 | Same Hydraulic press | Dec. 9, 1879 | 504 | 142 | 16 | 1086 |
| 213, 364 | Watson, Jeremiah M., Sharon, Mass. Manufacture of heels and soles of boots and shoes | Mar. 18, 1879 | 701 | 196 | 15 | 404 |
| 221, 638 | Watson, John, Utica, N. Y. Surgeon's needle | Nov. 11, 1879 | 574 | 159 | 16 | 901 |
| 219, 544 | Watson, John E., Louisville, Ky. Carbon rheostat and transmitter | Sept. 9, 1879 | 551 | 154 | 16 | 491 |
| 216, 919 | Watson, John F., Philadelphia, Pa. Mariner's compass | June 24, 1879 | 1049 | 297 | 15 | 1046 |
| | Watson, Leonard A. (*See* Hayden, Austin B., assignor.) | | | | | |
| | Same (*See* Richmond, Gilbert M., assignor) (Reissue.) | | | | | |
| 211, 309 | Watson, Lewis H., Chicago, Ill. Automatic governor and cut-off | Jan. 14, 1879 | 281 | 83 | 15 | 37 |
| 211, 310 | Same Gearing for washing-machines | Jan. 14, 1879 | 283 | 83, 84 | 15 | 37 |
| 215, 306 | Watson, Montgomery H., Dayton, Ohio. Paper-clamp | May 13, 1879 | 400 | 118 | 15 | 756 |
| | Watson, Oramel, *et al.* (*See* Taylor, James, assignor.) | | | | | |
| 215, 495 | Watson, Richard H., Philadelphia, Pa. Porcelain water-closet | May 20, 1879 | 614 | 180 | 15 | 794 |
| | Watson, Samuel. (*See* Welds, Benjamin A., assignor.) | | | | | |
| 215, 848 | Watson, Thomas, Inchalloch Row, Dumbarton County, North Britain. Billiard-cue rest | May 27, 1879 | 1015 | 296 | 15 | 855 |
| 217, 561 | Watson, Thomas A., Boston, Mass. Speaking-telephone | July 15, 1879 | 717 | 204 | 16 | 116 |
| 221, 434 | Same Hinge for telephone boxes or cases | Nov. 11, 1879 | 345 | 95 | 16 | 869 |
| 218, 095 | Watson, William H., Cheshire, Ohio. Hay-press | July 29, 1879 | 1329 | 381 | 16 | 212 |
| 211, 813 | Watt, James S., Brooklyn, N. Y. Sheet-metal vessel | Jan. 28, 1879 | 873 | 245 | 15 | 119 |
| 215, 418 | Watters, James D., Bel Air, Md. Fastening and releasing device for cattle-stalls | May 13, 1879 | 508 | 150 | 15 | 771 |
| 8, 902 | Watters, John, assignor to C. Schussler, New York, N. Y. Securing button-holes (Reissue) | Sept. 16, 1879 | 857 | 235 | 16 | 540 |
| 8, 811 | Wattles, Joseph W., Canton, Mass. Mechanism for supporting and adjusting spinning-rings (Reissue) | July 15, 1879 | 852 | 242 | 16 | 133 |
| 216, 987 | Same Ring-frame spinning mechanism | July 1, 1879 | 65 | 20 | 16 | 11 |
| 218, 842 | Same Treating vulcanized india-rubber thread or caoutchouc | Aug. 26, 1879 | 884 | ..... | 16 | 369 |
| 218, 843 | Same Mechanism for supporting, adjusting, and lubricating the spindles of ring-spinning frames | Aug. 26, 1879 | 884 | 248 | 16 | 369 |
| 220, 199 | Watts, James, assignor to Lawrence Flyer and Spindle Works, Lawrence, Mass. Creel for spinning-machinery | Sept. 30, 1879 | 1325 | 366 | 16 | 622 |
| 217, 307 | Watts, Joseph E., Lawrence, Mass. Pressure-regulator | July 8, 1879 | 426 | 126 | 16 | 66 |
| 213, 266 | Watts, Josiah, Brooklyn, N. Y. Automatic fan | Mar. 11, 1879 | 581 | 162 | 15 | 379 |
| 217, 657 | Watts, Lewis N., Indianapolis, Ind. Automatic liquid-weigher | July 15, 1879 | 823 | 235 | 16 | 129 |
| | Watts, Sylvester, *et al.* (*See* Card, William L., assignor.) | | | | | |
| 214, 734 | Waugh, David, Wellsburg, W. Va. Grain-toller | Apr. 22, 1879 | 1186 | 333 | 15 | 648 |
| 212, 073 | Way, Breading G., and W. A. Rankin, New Lisbon, Ohio. Book-cover protector | Feb. 4, 1879 | 287 | 78 | 15 | 161 |
| 8, 583 | Way, Frederick H., Brooklyn, N. Y., assignor, by mesne assignments, to J. Sues and S. W. Raplee. Child's carriage (Reissue) | Feb. 18, 1879 | 841 | 233 | 15 | 241 |
| | Wayland, Eli. (*See* Gilliland & Wayland.) | | | | | |
| | Wayland, Henry H., *et al.* (*See* Gilliland & Wayland, assignors.) | | | | | |
| 221, 948 | Wayland, James, Newark, assignor of three-fourths interest to E. P. Bray, Elizabeth, N. J., A. L. Mellen, Boston, Mass., and D. Currier, New York, N. Y. Carbureter | Nov. 25, 1879 | 963 | 269 | 16 | 970 |
| 213, 718 | Waymoth, Augustine D., Fitchburg, Mass. Wood-turning lathe | Mar. 25, 1879 | 1075 | 305 | 15 | 461 |
| | Wayne Agricultural Company. (*See* Fulgham, Jesse P., assignor.) | | | | | |
| | Wayne, James B. (*See* Cheney, James W., assignor.) | | | | | |
| 220, 801 | Wayne, J. Lloyd, jr., Cincinnati, Ohio. Sash-fastener | Oct. 21, 1879 | 789 | 211 | 16 | 756 |
| | Weart, George W. (*See* Pew, Edward A. C., assignor.) | | | | | |
| 220, 685 | Weart, Jacob, Jersey City, N. J. Carbureting apparatus | Oct. 14, 1879 | 544 | 144 | 16 | 716 |
| 211, 119 | Weaver, Albert S., Boston, Mass. Eyeglass-frame | Jan. 7, 1879 | 47 | 15 | 15 | 6 |
| 217, 436 | Weaver, Clemens, Easton, Pa. Millstone-feeder | July 8, 1879 | 565 | 162 | 16 | 84 |
| 220, 008 | Weaver, Daniel W., Blackshear, Ga. Circular saw | Sept. 23, 1879 | 1090 | 302 | 16 | 581 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Weaver, Devalson G. (*See* Wood, William H., assignor.) | | | | | |
| | Weaver, Edward H. (*See* Weaver, William, assignor.) | | | | | |
| 211, 283 | Weaver, Francis M., assignor of one-half interest to A. Greener, Columbus, Ohio. Caster treadle-stand for sewing-machines | Jan. 7, 1879 | 225 | 66 | 15 | 29 |
| 219, 421 | Weaver, Frank P., and E. L. Cheyney, Philadelphia, Pa. Automatic governor for furnaces | Sept. 9, 1879 | 430 | 119 | 16 | 474 |
| 212, 826 | Weaver, Henry M., Mansfield, Ohio. Toy pistol | Mar. 4, 1879 | 51 | 17 | 15 | 304 |
| 216, 544 | Same.....Boot-strap | June 17, 1879 | 613 | 174 | 15 | 979 |
| 221, 757 | Same.....Pendulum-scales | Nov. 18, 1879 | 714 | 200 | 16 | 929 |
| 214, 600 | Weaver, James E., Pittsburg, Pa. Tail-piece for violins | Apr. 22, 1879 | 1044 | 293 | 15 | 630 |
| 216, 543 | Weaver, James H., Chicago, Ill. Fastening strip or clasp | June 17, 1879 | 612 | 174 | 15 | 979 |
| 218, 650 | Same.....Packet or sample envelope | Aug. 19, 1879 | 639 | 180 | 16 | 326 |
| 218, 651 | Same.....Packet-fastening | Aug. 19, 1879 | 640 | 180 | 16 | 326 |
| 218, 652 | Same.....Clasp for fastening packages | Aug. 19, 1879 | 641 | 181 | 16 | 326 |
| 219, 609 | Same.....Fastening strip or clasp | Sept. 16, 1879 | 633 | 176 | 16 | 509 |
| 220, 510 | Same.....Paper pouch | Oct. 14, 1879 | 343 | 91 | 16 | 690 |
| 220, 740 | Same.....Barbed-wire fence | Oct. 21, 1879 | 620 | 166 | 16 | 734 |
| 222, 614 | Same.....Wrapper or packet | Dec. 16, 1879 | 591 | 168 | 16 | 1109 |
| 212, 637 | Weaver, James M., Scenery Hill, Pa. Harvester finger-guard | Feb. 25, 1879 | 972 | 269 | 15 | 266 |
| 217, 251 | Weaver, Orange R., Indianapolis, Ind. Wrench | July 8, 1879 | 370 | 109 | 16 | 59 |
| 8, 552 | Weaver, William, Phœnixville, Pa., assignor, by mesne assigments, to H. W. Ladd, Chelsea, Mass. Bed-bottom (Reissue) | Jan. 21, 1879 | 642 | 180 | 15 | 86 |
| 211, 814 | Weaver, William, assignor to E. H. Weaver, Greenwich, N. Y. Loom for weaving terry fabrics | Jan. 28, 1879 | 874 | 245 | 15 | 119 |
| 211, 815 | Same..... Loom for weaving terry fabrics | Jan. 28, 1879 | 875 | 246 | 15 | 119 |
| 219, 329 | Weaver, William, Phœnixville, Pa. Combined butter worker and printer | Sept. 2, 1879 | 312 | 88 | 16 | 451 |
| 212, 773 | Webb, Edward D., and J. Stanley, New York, N. Y. Drain-pipe | Feb. 25, 1879 | 1111 | 309 | 15 | 285 |
| 214, 215 | Webb, Elisha, and J. Richmond, Philadelphia, Pa. Lubricator | Apr. 8, 1879 | 564 | 159 | 15 | 551 |
| 215, 031 | Webb, Henry, Rockport, Mass. Fish-trap | May 6, 1879 | 53 | 16 | 15 | 709 |
| 221, 881 | Webb, Henry P., Brooklyn, N. Y. Paint for filling the seams of vessels | Nov. 18, 1879 | 862 | ..... | 16 | 948 |
| 221, 882 | Same.....same | Nov. 18, 1879 | 863 | ..... | 16 | 948 |
| 219, 545 | Webb, George H., assignor to W. H. Haskell, Pawtucket, R. I. Bolt-heading machine. | Sept. 9, 1879 | 552 | 154 | 16 | 491 |
| 222, 335 | Webb, George H., Pawtucket, R. I. Furnace for heating blanks | Dec. 2, 1879 | 245 | 66, 67 | 16 | 1043 |
| 221, 376 | Webb, Jacob M., Somerville, Tenn. Apparatus for preparing coffee and tea | Nov. 4, 1879 | 265 | 72 | 16 | 849 |
| 211, 120 | Webb, Nathan, and D. F. Beveridge, Sacramento, Cal.; said Beveridge assignor to said Webb. Grappling-iron | Jan. 7, 1879 | 48 | 15 | 15 | 7 |
| 215, 187 | Webb, Nathan, Sacramento, Cal. Car-brake | May 6, 1879 | 228 | 67 | 15 | 731 |
| 213, 537 | Webb, Thomas, and C. H. Heartfield, New York, N. Y. Sewing and darning machine | Mar. 25, 1879 | 880 | 251, 252 | 15 | 435 |
| | Webbe, William E., *et al.* (*See* Geale, Thomas J., assignor.) | | | | | |
| | Webber, A. G. (*See* Horrie, David, assignor.) | | | | | |
| 217, 658 | Webber, Hollis A., Somerville, Mass. Coach-wrench | July 15, 1879 | 824 | 235 | 16 | 129 |
| 211, 447 | Webber, Josiah, jr., Brooklyn, assignor to Champion Corn Husker Company, New York, N. Y. Corn-husking machine | Jan. 14, 1879 | 438 | 123 | 15 | 56 |
| 222, 615 | Webbert, David, Kearney, Nebr., assignor of one-half interest to H. Burritt. Device for packing engines | Dec. 16, 1879 | 593 | 169 | 16 | 1109 |
| 216, 920 | Weber, Adolph, Detroit, Mich. Tip for stationary and portable fountains | June 24, 1879 | 1050 | 297 | 15 | 1046 |
| 216, 921 | Weber, Adolph, assignor of one-half interest to H. W. Rood, Detroit, Mich. Stop-valve | June 24, 1879 | 1051 | 298 | 15 | 1046 |
| 216, 588 | Weber, George J., Boonville, Mo. Wheeled scraper | June 17, 1879 | 665 | 189, 190 | 15 | 986 |
| 220, 741 | Same.....Walking-scraper | Oct. 21, 1879 | 621 | 166 | 16 | 734 |
| | Weber, John. (*See* Braun, Wilhelm, assignor.) | | | | | |
| 218, 607 | Weber, John, jr., assignor to H. T. Rennolds, Baltimore, Md. Folding chair | Aug. 12, 1879 | 575 | 162 | 16 | 309 |
| 218, 350 | Weber, Theodore A., and F. Wagner, assignors to T. Von Bremsen and E. J. Bremer; said Bremer assignor to said Von Bremsen, New York, N. Y. Leather-crimping machine | Aug. 5, 1879 | 267 | 73 | 16 | 256 |
| 217, 498 | Webster, Albert B., Manchester, N. H. Carriage-coupling | July 15, 1879 | 647 | 184 | 16 | 106 |
| 218, 844 | Webster, Ambrose, Waltham, Mass. Mechanical movement | Aug. 26, 1879 | 886 | 248 | 16 | 369 |
| 213, 267 | Webster, Asahel B., Chardon, Ohio. Rub-iron for wagon-reaches | Mar. 11, 1879 | 582 | 162 | 15 | 380 |
| 214, 216 | Webster, Byron W., Acra, N. Y. Blinder | Apr. 8, 1879 | 565 | 160 | 15 | 551 |
| 214, 217 | Webster, Edward S., Durand, Ill. Power-anchor | Apr. 8, 1879 | 565 | 160 | 15 | 551 |
| 221, 131 | Same.....same | Oct. 28, 1879 | 1076 | 284 | 16 | 802 |
| | Webster, Emeline C., *et al.* (*See* Richmond, Gilbert M., assignor.) | | | | | |
| 8, 701 | Webster, Hazen, Elgin, Ill., assignor to Janney Car Coupling Company, Alexandria, Va. Car-coupling (Reissue) | May 6, 1879 | 260 | 76 | 15 | 736 |
| 218, 349 | Webster, James A., South Boston, Va. Planing-machine | Aug. 5, 1879 | 266 | 72 | 16 | 255 |
| | Webster, John. (*See* Robbins, Joseph A., assignor.) | | | | | |
| | Webster, John, trustee. (*See* Robbins & Bumpus, assignors.) | | | | | |
| | Webster Loom Company. (*See* Webster, William, assignor.) | | | | | |
| 215, 188 | Webster, Milo B., Burlington, Iowa. Loose pulley | May 6, 1879 | 229 | 68 | 15 | 731 |
| 222, 108 | Webster, Samuel D., Canon City, Colo. Car-axle | Nov. 25, 1879 | 1139 | 321 | 16 | 995 |
| 222, 218 | Webster, Theodore L., Charlestown, Mass. Car brake and starter | Dec. 2, 1879 | 116 | 29 | 16 | 1024 |
| 211, 949 | Webster, William, Morrisania, N. Y., assignor to Webster Loom Company. Loom for weaving pile fabrics | Feb. 4, 1879 | 145 | 42 | 15 | 144 |
| 217, 179 | Webster, William S., Hartford, Conn. Harness-saddle | July 1, 1879 | 276 | 82 | 16 | 38 |
| 212, 580 | Wechsler, Benjamin, New York, N. Y. Knit jacket | Feb. 25, 1879 | 912 | 252 | 15 | 258 |
| 222, 758 | Wedel, Gustave, San Francisco, Cal. Folio-binder | Dec. 16, 1879 | 745 | 214 | 16 | 1131 |
| 216, 247 | Weed, Giraud H., South Norwalk, Conn. Thill-coupling | June 3, 1879 | 250 | 74 | 15 | 916 |
| 216, 478 | Weed, Levi S., New York, N. Y. Napkin-holder | June 10, 1879 | 535 | 153 | 15 | 960 |
| 218, 351 | Same.....Filter | Aug. 5, 1879 | 269 | 73 | 16 | 256 |
| | Weeks, A. Kirkland. (*See* Fitzhugh, Benjamin G., assignor.) | | | | | |
| | Weeks, Henry R., *et al.* (*See* Gleason, Alexander, assignor.) | | | | | |
| 8, 634 | Weeks, John, Buffalo, N. Y. Scale-beam (Reissue) | Mar. 25, 1879 | 1091 | 310 | 15 | 463 |
| | Weeks, Susan E., administratrix. (*See* Griffen & Weeks) (Reissue.) | | | | | |
| 220, 686 | Wegelin, Albert, assignor to self and E. Hübner, Halle-on-the-Saale, Germany. Filter-press | Oct. 14, 1879 | 545 | 144 | 16 | 716 |
| 212, 774 | Wegmann, Federigo, Naples, Italy. Machine for grinding, granulating, and treating wheat and bran | Feb. 25, 1879 | 1112 | 309, 310 | 15 | 285 |
| 217, 437 | Wehl, Julius, New York, N. Y. Collar and cuff fastener | July 8, 1879 | 566 | 162 | 16 | 84 |
| 216, 364 | Wehner, Francis J., New Orleans, La. Compressing apparatus | June 10, 1879 | 411 | 118 | 15 | 943 |
| | Weichel, John H. (*See* Steffe & Knight, assignors.) | | | | | |
| 215, 700 | Weidenbusch, Hermann, Weisbaden, Germany. Moth-box | May 20, 1879 | 837 | 244 | 15 | 824 |
| 211, 675 | Weidmann, Anton, New York, N. Y. Mask | Jan. 28, 1879 | 715 | 200 | 15 | 98 |
| 219, 045 | Same.....Bird-toy | Aug. 26, 1879 | 1100 | 309 | 16 | 398 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Weihemnayer, Frederick, *et al.* (*See* Clime, John C., assignor.) | | | | | |
| | Weiland, Harry B. (*See* Gunning & Weiland.) | | | | | |
| 212, 290 | Weill, Maurice, New York, N. Y. Neck-scarf | Feb. 11, 1879 | 533 | 149 | 15 | 197 |
| | Weimann, Balthasar. (*See* Wahl & Weimann.) | | | | | |
| 8, 545 | Weimer, Peter L., Lebanon, Pa. Blowing-engine (Reissue) | Jan. 21, 1879 | 629 | 177, 178 | 15 | 83 |
| 212, 415 | Same Iron-smelting furnace | Feb. 18, 1879 | 687 | 191 | 15 | 220 |
| 216, 071 | Weindel, Hermann, Philadelphia, Pa. Air-pump | June 3, 1879 | 70 | 20 | 15 | 893 |
| 217, 659 | Weinhandler, Solomon, New York, N. Y. Window-guard | July 15, 1879 | 824 | 235 | 16 | 129 |
| 223, 086 | Weinig, Paul, Hanau, Prussia, Germany. Malt-turning machine | Dec. 30, 1879 | 1140 | 323 | 16 | 1207 |
| 8, 914 | Weir, Frederic C., Cincinnati, Ohio. Railway-frog (Reissue) | Sept. 30, 1879 | 1350 | 372 | 16 | 625 |
| 8, 915 | Same same (Reissue) | Sept. 30, 1879 | 1351 | 372 | 16 | 626 |
| 214, 797 | Same Feed-box for printing-presses | Apr. 29, 1879 | 1274 | 356 | 15 | 667 |
| 214, 855 | Same Steam-boiler | Apr. 29, 1879 | 1342 | 373 | 15 | 676 |
| 220, 264 | Same Railway-frog | Oct. 7, 1879 | 60 | 16 | 16 | 643 |
| 215, 548 | Weir, Fredric C., Cincinnati, Ohio. Railway-frog | May 20, 1879 | 671 | 195 | 15 | 802 |
| 213, 152 | Weir, Frederick G. C., Clifton, England. Life-preserver | Mar. 11, 1879 | 463 | 128 | 15 | 364 |
| 218, 845 | Weir, Robert, Muskegon, Mich. Screw-tap | Aug. 26, 1879 | 886 | 248 | 16 | 369 |
| | Weiser, Jakob. (*See* Rutz & Weiser.) | | | | | |
| | Weisketel, Anton, jr. (*See* Sandner, George S., jr., assignor.) | | | | | |
| 221, 377 | Weiss, Franz F., Jersey City Heights, N. J. Pocket-book lock | Nov. 4, 1879 | 266 | 72 | 16 | 849 |
| 211, 816 | Weisser, Theodor, Furtwangen, assignor to Junghans Brothers, Schramberg, Germany. Calendar-clock | Jan. 28, 1879 | 876 | 246, 247 | 15 | 119 |
| 218, 203 | Wekerle, August, assignor to self and S. Klinger, New York, N. Y. Barber's chair | Aug. 5, 1879 | 114 | 31 | 16 | 235 |
| | Welch, E. B. (*See* Anders, George L., assignor.) | | | | | |
| | Same (*See* Marshall, Chester P., assignor.) | | | | | |
| 222, 849 | Welch, Henry J., assignor of one-half interest to E. Hodgkins and A. L. Peck, Carthage, N. Y. Polishing-iron | Dec. 23, 1879 | 864 | 249 | 16 | 1158 |
| 214, 070 | Welch, Hilyard, Schuylerville, N. Y. Car-starter | Apr. 8, 1879 | 416 | 117 | 15 | 532 |
| 218, 352 | Welch, James E., White Hall, Ill., assignor of one-half interest to A. B. Bowman, Saint Louis, Mo. Wheat-heater | Aug. 5, 1879 | 270 | 73 | 16 | 256 |
| 217, 180 | Welch, Joseph, Delphos, Ohio. Machine for bending wooden stirrups | July 1, 1879 | 277 | 82 | 16 | 38 |
| | Welch, Spring & Co. (*See* Spring, Solomon C., assignor.) | | | | | |
| 218, 608 | Weld, Mason C., Closter, N. J. Vessel for setting milk | Aug. 12, 1879 | 576 | 162 | 16 | 309 |
| 220, 045 | Welday, Samuel S., Wayne Township, Jefferson County, Ohio. Water-elevator | Sept. 30, 1879 | 1147 | 316 | 16 | 596 |
| 216, 005 | Welden, George A., and W. K. Royce, Austin, Mo. Buckle | May 27, 1879 | 1170 | 340 | 15 | 875 |
| 211, 448 | Welds, Benjamin A., assignor of one-half interest to G. W. Fitzsimmons, Reading, Mich. Corn-planter | Jan. 14, 1879 | 439 | 124 | 15 | 56 |
| 220, 892 | Welds, Benjamin A., Jackson, Mich., assignor of one-half interest to S. Watson, Lewisville, Ind. Rail-fence | Oct. 21, 1879 | 790 | 211 | 16 | 756 |
| 221, 639 | Wellens, Jules C., Philadelphia, Pa. Embroidering-machine | Nov. 11, 1879 | 575 | 160 | 16 | 901 |
| | Weller, Augustus F. (*See* Bennett, John M. C., assignor.) | | | | | |
| 216, 589 | Wellhouse, William, and E. Hagen, assignors to said Wellhouse, A. F. Hoffer, and J. P. Card, Saint Louis, Mo. Preserving wood | June 17, 1879 | 667 | ..... | 15 | 987 |
| 212, 335 | Wellington, Charles A., East Lexington, Mass. Frame for holding ornamental or fancy pottery-tiles for use as stands | Feb. 18, 1879 | 597 | 167 | 15 | 208 |
| 215, 849 | Same Tile-molding for holding tiles | May 27, 1879 | 1016 | 296 | 15 | 855 |
| 214, 333 | Wellington, Henry, Green Point, N. Y. Vapor-burner | Apr. 15, 1879 | 727 | 204 | 15 | 582 |
| 216, 365 | Same Tidy-holder | June 10, 1879 | 411 | 118 | 15 | 944 |
| 219, 884 | Same Extension-chandelier | Sept. 23, 1879 | 950 | 263 | 16 | 562 |
| 220, 452 | Same Vapor-burner | Oct. 7, 1879 | 265 | 71 | 16 | 672 |
| 219, 885 | Wellington, William, Rockford, Ill. Clothes-drier | Sept. 23, 1879 | 952 | 263 | 16 | 562 |
| 221, 007 | Same Check-hook | Oct. 28, 1879 | 947 | 253 | 16 | 786 |
| 212, 877 | Wellman, Marion J., New York, N. Y. Movable breastwork or shield | Mar. 4, 1879 | 113 | 33 | 15 | 312 |
| 222, 850 | Wellman, Seth A., Amboy, Ill. Hog-catcher | Dec. 23, 1879 | 865 | 249 | 16 | 1158 |
| 216, 988 | Wells, Charles G., assignor of one-half interest to P. J. Chadwick, Parkville, Conn. Fifth-wheel for vehicles | July 1, 1879 | 67 | 20 | 16 | 11 |
| 217, 499 | Wells, Charles R., Clifton Springs, N. Y. Device for teaching penmanship | July 15, 1879 | 648 | 184, 185 | 16 | 106 |
| 221, 986 | Wells, Charles S., New Haven, Conn. Screw-driver | Nov. 25, 1879 | 1004 | 281 | 16 | 976 |
| 216, 492 | Wells, Chester H., Meshoppen, Pa. Adjusting attachment for finger-rings | June 10, 1879 | 547 | 156 | 15 | 962 |
| | Wells & Co., S. R. (*See* King, John B., assignor.) | | | | | |
| 216, 004 | Wells, George, assignor of one-half interest to G. Staples, Montreal, Canada. Fountain-pen | May 27, 1879 | 1168 | 340 | 15 | 875 |
| 214, 856 | Wells, George A., Oskaloosa, Iowa. Fire-back for stoves | Apr. 29, 1879 | 1344 | 374 | 15 | 676 |
| 216, 491 | Wells, George M., Chicago, Ill. Last | June 10, 1879 | 547 | 156 | 15 | 962 |
| | Wells & Hope Company. (*See* Goodes, Ebenezer A., assignor.) | | | | | |
| 223, 200 | Wells, Isaac, assignor of one-half interest to J. F. Post, Wilmington, N. C., and D. D. Barber, Sumter County, S. C. Tanning | Dec. 30, 1879 | 1259 | ..... | 16 | 1224 |
| 211, 199 | Wells, James E., Holmdel, N. J. Apparatus for destroying insects on vines | Jan. 7, 1879 | 133 | 41 | 15 | 19 |
| | Wells, James G. (*See* Hanson, Charles, assignor.) | | | | | |
| | Wells, John Q. (*See* Taylor, Frank C., assignor.) | | | | | |
| 8, 580 | Wells, Joseph, assignor, by mesne assignments, to Union Paper Bag Machine Company, Philadelphia, Pa. Paper-bag machine (Reissue) | Feb. 11, 1879 | 548 | 154 | 15 | 200 |
| 215, 307 | Wells, Osbern, Newberry, S. C. Coupling for joints of wooden pump | May 13, 1879 | 401 | 119 | 15 | 756 |
| 211, 449 | Wells, Richard, Baltimore, Md. Oyster-shucking machine | Jan. 14, 1879 | 440 | 124 | 15 | 57 |
| 217, 181 | Same Kitchen or bath boiler | July 1, 1879 | 278 | 82 | 16 | 39 |
| 213, 719 | Wells, Richard H., California (Flat Post-Office), Ohio. Trap for protecting fruit, &c., from insects | Mar. 25, 1879 | 1077 | 306 | 15 | 461 |
| | Wells, William. (*See* Clark & Wells.) | | | | | |
| 221, 987 | Welsh, Thomas W., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Vacuum-brake-pipe coupling | Nov. 25, 1879 | 1005 | 281 | 16 | 976 |
| 216, 479 | Welshans, Jacob P., Brownsburg, Ind. Fire-kindling torch | June 10, 1879 | 535 | 153 | 15 | 960 |
| | Welton, David W. (*See* Swain & Welton.) | | | | | |
| 213, 720 | Wemple, Andrew, assignor to G. B. Douglass, Chicago, Ill. Cockle-separator | Mar. 25, 1879 | 1077 | 306 | 15 | 461 |
| 220, 779 | Wemple, Andrew, assignor to A. Ransom and C. H. Low, Chicago, Ill. Needle-guard for sewing-machines | Oct. 21, 1879 | 672 | 178 | 16 | 740 |
| 216, 006 | Wemple, Christopher Y., New York, N. Y. Sewer-gas stopper | May 27, 1879 | 1171 | 340 | 15 | 875 |
| 217, 182 | Wenchel, Lawrence, Baltimore, Md. Manufacture of rotary cutters for moldings | July 1, 1879 | 278 | 82 | 16 | 39 |
| 217, 183 | Same Molding-machine | July 1, 1879 | 280 | 83 | 16 | 39 |
| 222, 970 | Same Wood-molding machine | Dec. 23, 1879 | 999 | 286, 287 | 16 | 1178 |
| 221, 259 | Wendell, Isaac P., Philadelphia, Pa. Car-axle box | Nov. 4, 1879 | 131 | 55 | 16 | 830 |
| | Wenninger, Gottlieb. (*See* Himelsbach & Wenninger.) | | | | | |
| 216, 989 | Wentworth, Hebron M., Gardiner, Me. Manufacture of carriage-springs | July 1, 1879 | 67 | 20 | 16 | 11 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214, 071 | Wentworth, William P., Seneca Falls, N. Y. Clamping device for filing saws | Apr. 8, 1879 | 417 | 117 | 15 | 532 |
| 211, 200 | Werner, August, New York, N. Y. Rack for bottles | Jan. 7, 1879 | 134 | 41 | 15 | 19 |
| 219, 330 | Werner, John, jr., Prairie du Sac, Wis. Harvester | Sept. 2, 1879 | 313 | 88, 89 | 16 | 451 |
| 218, 800 | Werner, John A., Mediapolis, Iowa, assignor of one-half interest to C. L. Brown. Corn-planter | Aug. 19, 1879 | 798 | 227 | 16 | 348 |
| 212, 638 | Werner, Robert, Hoboken, N. J. Propelling canal-boats | Feb. 25, 1879 | 972 | 269 | 15 | 266 |
| | Wertz, Peter W. (*See* Reichelderfer & Wertz.) | | | | | |
| | Wesson, Daniel B. (*See* Joslyn, Benjamin F., assignor ) | | | | | |
| 217, 562 | Wesson, Daniel B., Springfield, Mass. Magazine fire-arm | July 15, 1879 | 718 | 205 | 16 | 116 |
| 222, 167 | Same.....Revolving fire-arm | Dec. 2, 1879 | 57 | 14 | 16 | 1017 |
| 222, 168 | Same.....same | Dec. 2, 1879 | 59 | 14 | 16 | 1017 |
| 221, 485 | West, Charles N., San Juan South, Cal. Electro-therapeutical belt | Nov. 11, 1879 | 407 | 111 | 16 | 877 |
| 212, 074 | West, Columbus, Pittsburg, Pa. Carriage-window fastener | Feb. 4, 1879 | 288 | 78 | 15 | 161 |
| 213, 794 | West, Henry J., Great Suffolk street, Surrey County, England. Apparatus for the refrigeration or freezing of liquids | Apr. 1, 1879 | 70 | 23 | 15 | 482 |
| 222, 109 | West, Jett T., Selma, Ala. Pharmaceutical apparatus | Nov. 25, 1879 | 1140 | 321 | 16 | 995 |
| 221, 486 | West, John C., assignor of one-half interest to C. Gruell, Clarksville, Mo. Railway-signal | Nov. 11, 1879 | 408 | 111 | 16 | 877 |
| 218, 412 | West, John T., Allensville, Ky. Shoe for grain-drills | Aug. 12, 1879 | 346 | 95 | 16 | 278 |
| 219, 046 | Same.....Bar for connecting the hoes of grain-drills | Aug. 26, 1879 | 1101 | 309 | 16 | 398 |
| 220, 555 | West, John W., Boston, Mass. Machinery for spooling thread | Oct. 14, 1879 | 402 | 104, 105 | 16 | 697 |
| | West, Jonathan B. (*See* Barton & West.) | | | | | |
| 215, 496 | West, Jonathan B., Geneseo, N. Y. Fluid-pressure regulator | May 20, 1879 | 615 | 180 | 16 | 794 |
| 217, 563 | West, Leonidas D., West Valley, N. Y. Barrel-stand | July 15, 1879 | 720 | 205 | 16 | 116 |
| 218, 909 | West, Lucius C., Kalamazoo, Mich. Brake for baby-carriages | Aug. 26, 1879 | 959 | 269 | 16 | 380 |
| 220, 781 | West, Robert S., Cleveland, Ohio. Combined spice-package and pastry-utensil | Oct. 21, 1879 | 674 | 178 | 16 | 740 |
| 211, 817 | West, William, and J. Lord, Toronto, Ontario, Canada. Window | Jan. 28, 1879 | 878 | 247 | 15 | 120 |
| 217, 308 | West, William B., Indianapolis, Ind. Apparatus for manufacturing illuminating-gas | July 8, 1879 | 427 | 126 | 16 | 67 |
| 220, 893 | Westcott, Charles H., Seneca Falls, N. Y. Mosaic wood-work | Oct. 21, 1879 | 791 | 211 | 16 | 756 |
| 216, 636 | Westcott, Edwin S., Hartford, Conn. Steam-engine | June 17, 1879 | 713 | 204 | 15 | 993 |
| 214, 538 | Westermaier, Adolf, Philadelphia, Pa. Hand-vise | Apr. 22, 1879 | 977 | 275 | 15 | 621 |
| 214, 601 | Westermayer, Eduard, Berlin, Prussia, Germany. Grand-piano-forte action | Apr. 22, 1879 | 1045 | 293 | 15 | 630 |
| | Western Electric Manufacturing Company. (*See* Clarke, George D., assignor.) | | | | | |
| | Western Union Telegraph Company. (*See* Edison, Thomas A., assignor.) | | | | | |
| | Same.....(*See* Jones, Francis W., assignor.) | | | | | |
| 215, 189 | Westgate, Joseph D., Lynn, Mass. Edge-trimming tool for boots and shoes | May 6, 1879 | 230 | 68 | 15 | 731 |
| | Westinghouse Air Brake Company. (*See* Welsh, Thomas W., assignor.) | | | | | |
| | Same.....(*See* Westinghouse, Henry H., assignor.) | | | | | |
| | Westinghouse, George, jr. (*See* Hodge, Nehemiah, assignor) .....(Reissue.) | | | | | |
| 214, 335 | Westinghouse, George, jr., Pittsburg, Pa. Brake-pipe coupling | Apr. 15, 1879 | 731 | 205 | 15 | 582 |
| 214, 336 | Same.....Coupling-valve | Apr. 15, 1879 | 733 | 205 | 15 | 583 |
| 214, 337 | Same.....Automatic brake-regulator | Apr. 15, 1879 | 734 | 205 | 15 | 583 |
| 214, 602 | Same.....Cock for fluid-pressure brakes | Apr. 22, 1879 | 1046 | 294 | 15 | 630 |
| 214, 603 | Same..... Railway air-brake apparatus | Apr. 22, 1879 | 1048 | 294 | 15 | 630 |
| 216, 545 | Same.....Operating-valve for steam and air brakes | June 17, 1879 | 614 | 174 | 15 | 979 |
| 217, 836 | Same.....Fluid-pressure-brake apparatus | July 22, 1879 | 1034 | 296 | 16 | 166 |
| 217, 837 | Same..... Piston-diaphragm for power-brakes | July 22, 1879 | 1036 | 297 | 16 | 166 |
| 217, 838 | Same.....Automatic brake-relief valve | July 22, 1879 | 1037 | 297 | 16 | 167 |
| 218, 149 | Same.....Fluid-pressure-brake apparatus | Aug. 5, 1879 | 50 | 14 | 16 | 227 |
| 218, 150 | Same..... Automatic brake apparatus | Aug. 5, 1879 | 52 | 14 | 16 | 227 |
| 220, 556 | Same.....Regulating-valve for automatic brakes | Oct. 14, 1879 | 404 | 105 | 16 | 697 |
| 222, 803 | Same.....Operating-cock for fluid-pressure brakes | Dec. 23, 1879 | 807 | 232 | 16 | 1150 |
| 223, 201 | Same.....Auxiliary telephone-exchange | Dec. 30, 1879 | 1260 | 357, 358 | 16 | 1224 |
| 223, 202 | Same.....Automatic telephone-switch for connecting local lines by means of main lines | Dec. 30, 1879 | 1265 | 358 | 16 | 1225 |
| 214, 334 | Westinghouse, Henry H., assignor to Westinghouse Air Brake Company, Pittsburg, Pa. Vacuum-brake hose-coupling | Apr. 15, 1879 | 729 | 204 | 15 | 582 |
| 214, 338 | Westlake, Charles D., Addison, N. Y. Butter-pail fastening | Apr. 15, 1879 | 736 | 205 | 15 | 583 |
| | Westlake, William. (*See* Conger, Walter M., assignor).....(Reissue.) | | | | | |
| 211, 676 | Westlake, William, Brooklyn, N. Y. Stove-platform | Jan. 28, 1879 | 716 | 200 | 15 | 99 |
| 221, 709 | Westland, Charles S., Providence, R. I. Lamp-holder | Nov. 18, 1879 | 664 | 185 | 16 | 921 |
| 211, 536 | Westling, Charles, Chicago, Ill. Pulley attachment to sewing-machines | Jan. 21, 1879 | 537 | 152 | 15 | 71 |
| 221, 758 | Westphal, Christian, Frankfort-on-the-Main, Germany. Lighting device | Nov. 18, 1879 | 715 | 200 | 16 | 929 |
| 211, 311 | Weston, Edward, Newark, N. J. Dynamo-electric machine | Jan. 14, 1879 | 284 | 84, 85 | 15 | 37 |
| 219, 546 | Weston, Elijah, Buffalo, N. Y. Oil-still | Sept. 9, 1879 | 553 | 155 | 16 | 491 |
| 221, 260 | Weston, Hiram, Boston, Mass. Blacking-box holder | Nov. 4, 1879 | 132 | 36 | 16 | 831 |
| 213, 365 | Weston, H. James, Elgin, Ill. Watch-movement box | Mar. 18, 1879 | 701 | 196 | 15 | 404 |
| 220, 780 | Weston, Nathaniel, San Francisco, Cal. Photographic embossing-press | Oct. 21, 1879 | 673 | 178 | 16 | 740 |
| 212, 336 | Weston, Thomas A., Stamford, Conn. Ratchet mechanism and clutch for machinery | Feb. 18, 1879 | 597 | 167, 168 | 15 | 208 |
| 212, 337 | Weston, Thomas A., assignor to Yale Lock Manufacturing Company, Stamford, Conn. Speed-governor and friction-brake for machinery | Feb. 18, 1879 | 599 | 168 | 15 | 208 |
| 212, 338 | Same.....Friction brake and clutch for hoisting-drums, &c | Feb. 18, 1879 | 601 | 168, 169 | 15 | 209 |
| 212, 339 | Same .....Hoisting-machine | Feb. 18, 1879 | 602 | 169, 170 | 15 | 209 |
| 216, 298 | Weston, Thomas A., Stamford, Conn. Endless-chain hoisting-machine | June 10, 1879 | 329 | 97 | 15 | 933 |
| 217, 030 | Weston, Thomas A., assignor to Yale Lock Manufacturing Company, Stamford, Conn. Automatic friction-brake and hand-lever brake for speed-regulating and braking | July 1, 1879 | 113 | 33 | 16 | 17 |
| 217, 031 | Same.....Hoisting-drum and shaft for windlasses, &c | July 1, 1879 | 114 | 33 | 16 | 17 |
| 217, 032 | Same.....Reversing friction clutch and brake | July 1, 1879 | 116 | 34 | 16 | 17 |
| 216, 546 | Weston, William L., and W. C. Maynard, New Milford, Pa. Brake for children's carriages | June 17, 1879 | 614 | 175 | 15 | 979 |
| | Wetherill, Alexander C. (*See* Wetherill & Reid.) | | | | | |
| 211, 284 | Wetherill, Robert, Chicago, Ill. Safety-valve for lamp-burners | Jan. 7, 1879 | 227 | 66 | 15 | 30 |
| 212, 291 | Wetherill, William M. and A. C., and O. Reid, Saint Louis, Mo. Locomotive smoke-stack | Feb. 11, 1879 | 534 | 150 | 15 | 197 |
| | Wetmore, William W. (*See* Sweeney & Wetmore.) | | | | | |
| 213, 538 | Wetmore, William W., assignor to Winchester Repeating Arms Company, New Haven, Conn. Magazine fire-arm | Mar. 25, 1879 | 883 | 252 | 15 | 432 |
| 219, 886 | Same.....same | Sept. 23, 1879 | 953 | 263 | 16 | 565 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216, 547 | Wettendorff, Julius, Milwaukee, Wis. Compound for covering roofs and vessels, and for other purposes | June 17, 1879 | 615 | ..... | 15 | 980 |
| | Wetter, Albert, *et al.* (*See* Benz, Gottlieb, assignor.) | | | | | |
| 218, 097 | Weyer, Edward P., and H. C. White, Madison, Ind. Bee-hive | July 29, 1879 | 1331 | 382, 383 | 16 | 212 |
| 214, 857 | Weyer, J. Philip, Elmira, N. Y. Car-starter | Apr. 29, 1879 | 1345 | 374 | 15 | 676 |
| 8, 799 | Weyman, George W., Philadelphia, Pa. Plunger for pressing glass (Reissue) | July 8, 1879 | 587 | 168 | 16 | 86 |
| 213, 153 | Weymouth, Albert, Livermore, Cal. Car-brake | Mar. 11, 1879 | 464 | 128 | 15 | 364 |
| 211, 201 | Weymouth, James M., New Orleans, La. Railway-car | Jan. 7, 1879 | 134 | 42 | 15 | 19 |
| 220, 894 | Weymouth, John W., Greene, Me. Root-cutting machine | Oct. 21, 1879 | 791 | 211, 212 | 16 | 756 |
| | Whaley, Henry A., *et al.* (*See* Holman, William J., assignor.) | | | | | |
| 214, 218 | Whaley, Thomas, Brooklyn, N. Y., assignor to New York Gas Controller Company. Gas-regulator | Apr. 8, 1879 | 566 | 160 | 15 | 551 |
| 211, 484 | Wharton, Morton B., Forsyth, Ga. Lamp-burner | Jan. 21, 1879 | 478 | 135 | 15 | 64 |
| | Wharton Railroad Switch Company. (*See* Johnston, Edward H., assignor.) | | | | | |
| 211, 607 | Wharton, William, jr., Philadelphia, Pa. Railway-crossing | Jan. 21, 1879 | 621 | 175 | 15 | 82 |
| 213, 019 | Same..... Shovel | Mar. 4, 1879 | 290 | 82 | 15 | 334 |
| 211, 485 | Whealen, Charles, and L. Knerr, jr., Dayton, Ohio. Machinery for drying straw-boards, &c. | Jan. 21, 1879 | 479 | 135 | 15 | 64 |
| 218, 098 | Wheat, John W., Lee's Summit, assignor of one-half interest to J. H. Ervin, Jackson County, Mo. Washing-machine | July 29, 1879 | 1334 | 383 | 16 | 212 |
| 213, 961 | Wheatly, Robert J., Duquoin, Ill. Millstone-pick | Apr. 1, 1879 | 245 | 71 | 15 | 504 |
| | Wheeler, Abel. (*See* Young, Harlan P., assignor.) | | | | | |
| | Wheeler, Adolph. (*See* Bidelman, Robert M., assignor.) | | | | | |
| 219, 547 | Wheeler, Austin E., Philadelphia, Pa. Channel-striper for boot and shoe soles | Sept. 9, 1879 | 553 | 155 | 16 | 491 |
| 215, 549 | Wheeler, Charles E., Boston, Mass. Fountain marking-tool | May 20, 1879 | 672 | 195 | 15 | 802 |
| 211, 286 | Wheeler, Cyrenus, jr., Auburn, N. Y. Harvester-dropper | Jan. 7, 1879 | 228 | 66, 67 | 15 | 30 |
| 213, 598 | Same.....Machine for separating magnetic substances from grain | Mar. 25, 1879 | 948 | 270 | 15 | 443 |
| 214, 735 | Same.....Driving-chain | Apr. 22, 1879 | 1186 | 334 | 15 | 648 |
| | Wheeler, Dwight. (*See* House & Wheeler.) | | | | | |
| 218, 465 | Wheeler, Dwight, Bridgeport, Conn. Finishing hats | Aug. 12, 1879 | 424 | 117 | 16 | 288 |
| 221, 008 | Wheeler, Edgar G., New York, N. Y. Pump for compressing ammoniacal and other gases | Oct. 28, 1879 | 948 | 253 | 16 | 786 |
| 213, 855 | Wheeler, Elbridge, Philadelphia, Pa. Box-pile | Apr. 1, 1879 | 134 | 40 | 15 | 490 |
| 213, 856 | Same.....Working cast malleable metals | Apr. 1, 1879 | 135 | 40 | 15 | 490 |
| 221, 133 | Same..... Electrical conductor | Oct. 28, 1879 | 1078 | 285 | 16 | 803 |
| 220, 101 | Wheeler, Elonzo S., assignor of one-half interest to J. E. Wheeler, Westport, Conn. Button | Sept. 30, 1879 | 1216 | 335 | 16 | 607 |
| | Wheeler, Frederick W. (*See* Verekler, Joseph J., assignor.) | | | | | |
| | Wheeler, Harriet W., executrix. (*See* Wheeler, Leonard H.) (Reissue). | | | | | |
| | Wheeler, Henry F. (*See* Trask & Wheeler) (Reissue). | | | | | |
| | Wheeler, Henry H., *et al.* (*See* Betts, Lewis F., assignor.) | | | | | |
| | Wheeler Iron Company. (*See* Dalzell, Samuel M., assignor.) | | | | | |
| 219, 190 | Wheeler, James I., Janesville, Wis. Spring bed-bottom | Sept. 2, 1879 | 145 | 43 | 16 | 431 |
| 214, 798 | Wheeler, John E., Lynn, Mass. Horseshoe-nail machine | Apr. 29, 1879 | 1275 | 357 | 15 | 667 |
| | Wheeler, Jonathan E. (*See* Wheeler, Elonzo S., assignor.) | | | | | |
| 212, 416 | Wheeler, Kendrick, Brooklyn, N. Y. Postage and revenue stamp | Feb. 18, 1879 | 688 | 192 | 15 | 221 |
| 8, 826 | Wheeler, Leonard H., deceased, assignor of one-third interest to W. H. Wheeler; said W. H. Wheeler and H. W. Wheeler (executrix), Beloit, Wis., assignors to Eclipse Windmill Company. Windmill (Reissue) | July 29, 1879 | 1350 | 387 | 16 | 214 |
| 8, 827 | Wheeler, Leonard H., deceased, H. W. Wheeler, executrix, Beloit, Wis. Pump. (Reissue) | July 29, 1879 | 1353 | 387 | 16 | 214 |
| 217, 033 | Wheeler, William A., Worcester, Mass. Windmill | July 1, 1879 | 117 | 34, 35 | 16 | 17 |
| | Wheeler & Wilson Manufacturing Company. (*See* Curtis, George H. W., assignor.) | | | | | |
| | Same.....(*See* Stever, Jeremiah, assignor.) | | | | | |
| | Same.....(*See* Steward, Aurelius, assignor.) | | | | | |
| | Same.....(*See* Underwood, Joseph B., assignor.) | | | | | |
| 221, 132 | Wheelock, Jerome, Worcester, Mass. Lubricating apparatus for steam-engine cylinders | Oct. 28, 1879 | 1077 | 284 | 16 | 802 |
| 215, 850 | Whelchel, Moses R., Hartville, Mo. Churn | May 27, 1879 | 1017 | 296 | 15 | 855 |
| 219, 548 | Whetstone, William H., Lowndesborough, Ala. Cotton-planter | Sept. 9, 1879 | 554 | 155 | 16 | 491 |
| | Whewell, Arthur H. (*See* Woods & Whewell.) | | | | | |
| 216, 922 | Whinery, Samuel, Wheeler, Ala. Governor for engines | June 24, 1879 | 1052 | 298 | 15 | 1046 |
| | Whipple, S. M. (*See* Ambler, Augustin I., assignor.) | | | | | |
| 213, 479 | Whitaker, Elijah J. B., Baltimore, Md. Nose-bag for horses | Mar. 18, 1879 | 806 | 228 | 15 | 418 |
| 222, 804 | Whitaker, George H., and J. C. Partin, assignors of one-third interest to W. T. Battoe, Martin, Tenn. Device for detaching animals from vehicles | Dec. 23, 1879 | 810 | 232 | 16 | 1151 |
| 220, 512 | Whitaker, Harvey G., Brattleborough, Vt. Siphon | Oct. 14, 1879 | 345 | 91 | 16 | 690 |
| 213, 269 | Whitaker, Roswell D., Northville, Mich. Curtain-fixture | Mar. 11, 1879 | 583 | 162 | 15 | 380 |
| 216, 813 | Whitaker, William W., Gloversville, N. Y. Coal-sifter | June 24, 1879 | 928 | 265 | 15 | 1030 |
| | Whitall, James, *et al.* (*See* Atwater, Richard M., assignor.) | | | | | |
| | Whitall, Tatum & Co. (*See* Atwater, Richard M., assignor.) | | | | | |
| 221, 640 | Whitcomb, Aaron J., Ilion, N. Y. Lawn-mower | Nov. 11, 1879 | 576 | 160 | 16 | 901 |
| | Whitcomb & Co., G. Henry. (*See* Swift, Henry D. and D. W., assignors.) | | | | | |
| | Whitcomb, Erastus D. (*See* Shepherd & Whitcomb.) | | | | | |
| 212, 340 | White, Abiel F., Boston, Mass. Anchor | Feb. 18, 1879 | 606 | 170 | 15 | 209 |
| 217, 252 | White, Albert, St. Thomas, Ontario, Canada. Car brake and starter | July 8, 1879 | 371 | 110 | 16 | 59 |
| 217, 253 | White, Albert M., Waterbury, Conn. Dental vulcanizing-flask | July 8, 1879 | 372 | 110 | 16 | 59 |
| 218, 609 | White, Arthur, Derby Line, Vt. Butter-package | Aug. 12, 1879 | 577 | 162 | 16 | 310 |
| | White, Austin P. (*See* Bennett, Allan T., assignor.) | | | | | |
| | White, Cecilia A., *et al.* (*See* Bartlett, Henry L., assignor.) | | | | | |
| | White, Cecilia A. (*See* Wood, Thomas, jr., assignor.) | | | | | |
| 216, 923 | White, Charles C., Brooklyn, N. Y. Package of prepared paper | June 24, 1879 | 1053 | 298 | 15 | 1046 |
| 221, 487 | White, Charles H., Malden, Mass. Furnace-regulator | Nov. 11, 1879 | 410 | 112 | 16 | 877 |
| 215, 032 | White, Darius, Portland, Me. Brush | May 6, 1879 | 54 | 16 | 15 | 709 |
| | White, David G. (*See* Wade & White.) | | | | | |
| 217, 660 | White, Edward, New York, N. Y. Melody-chest for organs | July 15, 1879 | 825 | 235, 236 | 16 | 129 |
| 214, 539 | White, Edwin A., Boston, Mass. Brake mechanism | Apr. 22, 1879 | 978 | 225 | 15 | 621 |
| 222, 616 | White, Edwin F., and P. W. Snyder, Hollidaysburg, Pa. Device for retouching photographic negatives | Dec. 16, 1879 | 594 | 169 | 16 | 1109 |
| 217, 967 | White, Frederick H., Minneapolis, Minn. Bias-rule | July 29, 1879 | 1190 | 341 | 16 | 194 |
| 219, 887 | White, George F., Frankford, Philadelphia, Pa. Wooden printing-type | Sept. 23, 1879 | 954 | 263 | 16 | 562 |
| 219, 373 | White, Hawley C., North Benningtom, Vt. Veneer-box | Sept. 9, 1879 | 373 | 105 | 16 | 467 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 216,121 | White, Henry, Galveston, Tex. Middlings-purifier | June 3, 1879 | 120 | 35 | 15 | 900 |
| 220,102 | White, Henry, Quincy, Cal. Hand weeding-tool | Sept. 30, 1879 | 1217 | 335 | 16 | 607 |
| | White, Henry C. (*See* Weyer & White.) | | | | | |
| | White, Henry S., *et al.* (*See* North, John, assignor.) | | | | | |
| 8,536 | White, Hugh, Chicago, Ill., assignor of part interest to C. H. Fargo, and J. Benham, C. E. and S. M. Fargo. Boot and shoe (Reissue) | Jan. 7, 1879 | 244 | 71 | 15 | 32 |
| 211,121 | White, James E., Cincinnati, Ohio. Seal-lock | Jan. 7, 1879 | 49 | 15 | 15 | 7 |
| 213,268 | White, James H., assignor to Wilcox & White Organ Company, West Meriden, Conn. Blow-pedal for organs | Mar. 11, 1879 | 583 | 162 | 15 | 380 |
| 216,007 | White, James H., assignor to Manhattan Brass Company, New York, N. Y. Globe lamp-chimney | May 27, 1879 | 1171 | 340 | 15 | 875 |
| 215,419 | White, John, Lisbon, N. Y. Milk-cooler | May 13, 1879 | 510 | 151 | 15 | 771 |
| | White, John A. (*See* Gordon, Edward F., assignor.) | | | | | |
| 222,972 | White, John B., Joplin, Mo., assignor of one-half interest to J. Black, Aurora, Ind. Feed-screw for drills | Dec. 23, 1879 | 1003 | 288 | 16 | 1179 |
| 212,417 | White, John F., and J. V. Bowhannan, Gallatin, Tenn.; said White assignor to said Bowhannan. Plaiting attachment for sewing-machines | Feb. 18, 1879 | 689 | 192 | 15 | 221 |
| 213,478 | White, John S., Portland, Me. Toilet-case | Mar. 18, 1879 | 805 | 228 | 15 | 418 |
| 221,488 | White, Joseph C., New York, N. Y. Apparatus for facilitating payments and delivery of goods | Nov. 11, 1879 | 411 | 112 | 16 | 877 |
| 211,820 | White, Lemuel C., and G. M. Walton, Cleaveland Mills, N. C. Pounder | Jan. 28, 1879 | 880 | 248 | 15 | 120 |
| 213,480 | White, Le Roy S., assignor to Brown & Brothers, Waterbury, Conn. Lap-joint for boilers and other vessels | Mar. 18, 1879 | 806 | 228 | 15 | 418 |
| 220,782 | Same.....Kitchen-boiler | Oct. 21, 1879 | 675 | 179 | 16 | 740 |
| 222,971 | Same.....Boiler | Dec. 23, 1879 | 1003 | 287 | 16 | 1179 |
| | White, Luther C., *et al.* (*See* North, John, assignor.) | | | | | |
| 213,721 | White, Martin V. B., Albany, N. Y. Ash-sifter | Mar. 25, 1879 | 1078 | 306 | 15 | 461 |
| 217,564 | Same.....Blacking-brush | July 15, 1879 | 721 | 205 | 16 | 116 |
| 217,918 | Same..... Exercising-chair | July 29, 1879 | 1139 | 325, 326 | 16 | 187 |
| 215,701 | White, Peter, Saint Louis, Mo. Valve for water-closets | May 20, 1879 | 838 | 244, 245 | 15 | 824 |
| | White, Peter H., *et al.* (*See* Woodside, George W., assignor) (Reissue.) | | | | | |
| | White, Samuel S. (*See* Cushing, George H., assignor.) | | | | | |
| | Same.....(*See* Donaldson, Robert B., assignor) (Reissue.) | | | | | |
| | Same.....(*See* Poor, Chandler, assignor) (Reissue.) | | | | | |
| | Same.....(*See* Fitch, Frederick K., assignor.) | | | | | |
| | Same.....(*See* Gilbert, John W., assignor.) | | | | | |
| | Same.....(*See* Hartman, Alexander, assignor) (Reissue.) | | | | | |
| | Same.....(*See* Starr, Eli T., assignor.) | | | | | |
| | Same..... same (Reissue.) | | | | | |
| | Same.....(*See* Stow, Nelson, assignor) (Reissue.) | | | | | |
| | White, Thomas, jr. (*See* Williams, R. P., assignor.) | | | | | |
| 217,565 | White, Thomas P., Ashtabula, Ohio. Door-check | July 15, 1879 | 721 | 206 | 16 | 116 |
| 221,642 | White, Washington, New York, N. Y. Corpse-cooler | Nov. 11, 1879 | 578 | 161 | 16 | 902 |
| 217,839 | White, Welcome, Baltimore, Md. Butter-package | July 22, 1879 | 1039 | 297 | 16 | 167 |
| 217,919 | Same.....Packing butter | July 29, 1879 | 1141 | 326 | 16 | 187 |
| | White, W. F., *et al.* (*See* Savill, Edward, assignor.) | | | | | |
| 217,500 | White, William B., Quincy, Mass. Eye-shade | July 15, 1879 | 649 | 185 | 16 | 106 |
| 220,511 | White, William M., Milford, Mich. Metallic rake-tooth | Oct. 14, 1879 | 344 | 91 | 16 | 690 |
| 213,599 | White, William R., Neoga, Ill. Fence | Mar. 25, 1879 | 950 | 270 | 15 | 444 |
| 216,072 | Whiteford, David, Chicago, Ill. Extension device for lamps | June 3, 1879 | 71 | 20 | 15 | 894 |
| 216,248 | Whiteford, James, Greenock, Renfrew County, Great Britain. Horseshoe | June 3, 1879 | 250 | 75 | 15 | 916 |
| 221,883 | Whiteford, John, assignor of one-half interest to W. H. Browne, Washington, D. C. Car-coupling | Nov. 18, 1879 | 864 | 241 | 16 | 948 |
| 217,968 | Whitehead, Charles M., Pontiac, Mich. Basket | July 29, 1879 | 1191 | 341 | 16 | 194 |
| | Whitehead, Daniel R. (*See* Newcomb, James W., assignor.) | | | | | |
| 217,438 | Whitehouse, Arthur T., Somerville, Mass. Core-box | July 8, 1879 | 567 | 163 | 16 | 84 |
| | Whitehurst, Obed E. (*See* Knowles, Daniel, assignor.) | | | | | |
| 213,366 | Whiteley, Henry, Wilmington, Del. Hoisting-drum and clutch apparatus | Mar. 18, 1879 | 703 | 196 | 15 | 404 |
| | Whitin Machine Works. (*See* Taft, Gustavus E., assignor.) | | | | | |
| | Whiting, A. H. (*See* Wilcox, Spencer G., assignor.) | | | | | |
| | Whiting, Albert. (*See* Smith, Joseph A., assignor.) | | | | | |
| 214,220 | Whiting, Albert, assignor to self and J. A. Smith, Rochester, N. Y. Machine for raising and floating hides in tan-vats | Apr. 8, 1879 | 569 | 161 | 15 | 552 |
| 218,603 | Whiting, Almon P., Astoria, N. Y. Rail-tie | Aug. 12, 1879 | 569 | 161 | 16 | 308 |
| 218,204 | Whiting, Charles D., Racine, Wis. Car-coupling | Aug. 5, 1879 | 115 | 31 | 16 | 236 |
| | Whiting, Ezra. (*See* Hotchkiss, Truman, assignor) (Reissue.) | | | | | |
| 219,549 | Whiting, Henry A., Brooklyn, N. Y. Hat and other head-covering | Sept. 9, 1879 | 555 | 155 | 16 | 491 |
| 217,309 | Whiting, James M., assignor of one-half interest to T. C. Hennessey, Providence, R. I. Heel for boots and shoes | July 8, 1879 | 428 | 126 | 16 | 67 |
| 217,758 | Whiting, James M., Providence, R. I. Combined air and steam engine | July 22, 1879 | 948 | 272 | 16 | 155 |
| 213,795 | Whiting, William H. H., Chelsea, Mass. Electric gas-lighting apparatus | Apr. 1, 1879 | 71 | 23 | 15 | 482 |
| 222,555 | Same..... same | Dec. 9, 1879 | 505 | 142 | 16 | 1086 |
| | Whitman & Burrell. (*See* Freeman, George L., assignor.) | | | | | |
| | Same..... (*See* Naylor, James, jr., assignor.) | | | | | |
| 219,663 | Whitman, Ezra B., Baltimore, Md. Colter-holder for plows | Sept. 16, 1879 | 703 | 195 | 16 | 518 |
| 214,858 | Whitman, Royal E., Springfield, Mass. Mounting for bridles | Apr. 29, 1879 | 1346 | 374 | 15 | 676 |
| 221,710 | Same.....Driving-bit | Nov. 18, 1879 | 664 | 185 | 16 | 921 |
| 222,556 | Whitman, Royal E., assignor of one-half interest to J. Baldwin & Co., Newark, N. J. Pad for saddle-stirrups | Dec. 9, 1879 | 506 | 142 | 16 | 1087 |
| 211,818 | Whitmore, Andrew E., Springfield, Mass. Lock for fire-arms | Jan. 28, 1879 | 879 | 247 | 15 | 120 |
| 221,949 | Whitney, Alice J., assignor to J. D. C. Whitney, Chicago, Ill. Fish boner and sealer | Nov. 25, 1879 | 965 | 270 | 16 | 971 |
| 211,203 | Whitney, Althea F., Cleveland, Ohio. Dish-washer | Jan. 7, 1879 | 136 | 42 | 15 | 19 |
| | Whitney, Andrew J. (*See* Cox & Whitney.) | | | | | |
| | Whitney, Charles A., *et al.* (*See* Blood, Edwin J., assignor.) | | | | | |
| 8,621 | Whitney, Edward H., Cambridge, assignor to Dover Stamping Company, Boston, Mass. Match-safe (Reissue) | Mar. 11, 1879 | 600 | 168 | 15 | 382 |
| 211,819 | Whitney, Edwin R., assignor of one-fourth interest to C. L. Bossé, Montreal, Canada. Harrow-tooth | Jan. 28, 1879 | 880 | 248 | 15 | 120 |
| 214,974 | Whitney, Edwin R., assignor of one-half interest to C. L. Bossé, Montreal, Canada. Harrow | Apr. 29, 1879 | 1460 | 406 | 15 | 692 |
| 219,374 | Whitney, Edwin R., assignor of one-half interest to H. J. Beemer, Montreal, Quebec, Canada. Fog-horn | Sept. 9, 1879 | 375 | 105 | 16 | 467 |
| | Whitney, E. Herbert. (*See* Rollins, Walter A., assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Whitney, Eli. (*See* Kennedy, Samuel V., assignor.) | | | | | |
| | Same..... (*See* Tiesing & Kennedy, assignors.) | | | | | |
| 222, 759 | Whitney, Geordie Z., Oberlin, Ohio. Heel-protector | Dec. 16, 1879 | 746 | 214 | 16 | 1131 |
| | Whitney, Horace, *et al.* (*See* Fallows, James, assignor) ..(Reissue.) | | | | | |
| | Same.. .....same .....(Reissue.) | | | | | |
| 8, 955 | Whitney, James A., New York, N. Y. Refrigerating apparatus.....(Reissue).. | Nov. 4, 1879 | 280 | 76 | 16 | 851 |
| 219, 131 | Same..... same | Sept. 2, 1879 | 82 | 26 | 16 | 423 |
| 214, 219 | Whitney, James D., Plover, Wis. Carpet-stretcher | Apr. 8, 1879 | 568 | 160 | 15 | 551 |
| 218, 205 | Whitney, James F., Hartford, Conn. Die-stock and tap-wrench | Aug. 5, 1879 | 115 | 31 | 16 | 236 |
| 212, 341 | Whitney, James R., Magnolia, Wis. Sulky-plow | Feb. 18, 1879 | 607 | 170 | 15 | 209 |
| | Whitney, J. D. C. (*See* Whitney, Alice J., assignor.) | | | | | |
| 221, 641 | Whitney, John M., Mount Pulaski, Ill. Windmill | Nov. 11, 1879 | 577 | 160 | 16 | 901 |
| 219, 610 | Whitney, Lafayette, Muncie, Ind. Portable-fence-panel fastening | Sept. 16, 1879 | 634 | 176 | 16 | 509 |
| 214, 859 | Whitney, Mordecai, Muncie, Ind. Fence | Apr. 29, 1879 | 1347 | 374 | 15 | 676 |
| 221, 009 | Whitney, Ruel W., New York, N. Y. Friction-clutch | Oct. 28, 1879 | 949 | 253 | 16 | 786 |
| | Whitney, Thaddeus M., *et al.* (*See* Flautt, James S., assignor.) | | | | | |
| 211, 202 | Whitney, Thomas J., Philadelphia, Pa., and T. Hall, Brooklyn, N. Y. Steam-cooker | Jan. 7, 1879 | 135 | 42 | 15 | 19 |
| | Whitney, William B. (*See* Davis, Augustus B., assignor.) | | | | | |
| | Whiton, Henry. (*See* Buck, Henry A., assignor.) | | | | | |
| | Whiton, William H. (*See* Ball, Charles P., assignor.) | | | | | |
| | Whittaker, John. (*See* George, William S., assignor.) | | | | | |
| 8, 572 | Whittemore, Ames, Cambridgeport, Mass., assignor of two-thirds interest to S. S. Arnold and W. W. Wilson. Peg-cutter (Reissue).. | Feb. 4, 1879 | 306 | 83 | 15 | 164 |
| 214, 072 | Whittemore, Amos, Cambridgeport, Mass. Peg-cutter | Apr. 8, 1879 | 418 | 117 | 15 | 532 |
| 222, 617 | Same.....Street-railway switch | Dec. 16, 1879 | 594 | 169 | 16 | 1109 |
| 217, 184 | Whittemore, David, assignor to W. L. Whittemore, Quincy, Mass. Sewing-machine | July 1, 1879 | 283 | 83, 84 | 16 | 39 |
| | Whittemore, Walter L. (*See* Whittemore, David, assignor.) | | | | | |
| 219, 047 | Whittier, Charles, assignor to Whittier Machine Company, Boston, Mass. Elevator-indicator | Aug. 26, 1879 | 1101 | 309 | 16 | 399 |
| 218, 099 | Whittier, Joseph G., Attica, Ind. Heel and counter supporter for boots and shoes | July 29, 1879 | 1335 | 383 | 16 | 212 |
| 220, 200 | Same.....Shoe-heel protector | Sept. 30, 1879 | 1326 | 366 | 16 | 622 |
| | Whittier Machine Company. (*See* Whittier, Charles, assignor.) | | | | | |
| | Whittier, Oscar P., *et al.* (*See* Pepper, Leander C., assignor.) | | | | | |
| 219, 838 | Whittlesey, Samuel H., Irving Park, Ill. Dough-kneading machine | Sept. 23, 1879 | 905 | 250 | 16 | 555 |
| 216, 480 | Whitzel, Russel B., Muskegon, Mich. Machine for dipping and coating fire-kindling blocks | June 10, 1879 | 536 | 153, 154 | 15 | 960 |
| | Whorwell, Henry. (*See* Duffy & Whorwell.) | | | | | |
| 218, 100 | Whyler, Edward M., Hays City, Kans. Fire-extinguisher | July 29, 1879 | 1336 | 383 | 16 | 212 |
| | Whyte, James. (*See* Whyte, William H. and J.) | | | | | |
| 216, 073 | Whyte, William H. and J., Chicago, Ill. Rolling-mill | June 3, 1879 | 73 | 21 | 15 | 894 |
| 216, 772 | Wiard, Edward, Litchfield, Minn. Plow | June 24, 1879 | 882 | 251 | 15 | 1025 |
| 216, 773 | Same.....same | June 24, 1879 | 884 | 251 | 15 | 1025 |
| 219, 130 | Wiard, Harry, W. R. Bullock, and L. W. Hall, Syracuse, N. Y. Device for cooling castings | Sept. 2, 1879 | 81 | 25 | 16 | 423 |
| 219, 191 | Wiard, Harry, and W. R. Bullock, Syracuse, N. Y. Plow | Sept. 2, 1879 | 146 | 44 | 16 | 431 |
| 220, 453 | Same.....Hillside-plow | Oct. 7, 1879 | 267 | 72 | 16 | 672 |
| 223, 203 | Wible, Elias A., assignor to self and B. N. Bugbey, Folsom, Cal. Vehicle-axle | Dec. 30, 1879 | 1268 | 359 | 16 | 1225 |
| 217, 920 | Wichert, Heinrich, assignor to J. Zangerle & Co., Chicago, Ill. Elastic attachment to rocking chairs | July 29, 1879 | 1142 | 326 | 16 | 187 |
| | Wichert, Theodor H. (*See* Wirth & Wichert.) | | | | | |
| 214, 736 | Wichert, Theodor H., assignor of one-half interest to W. P. Wirth, Lancaster, Pa. Padlock | Apr. 22, 1879 | 1187 | 334 | 15 | 648 |
| 219, 375 | Wichert, Theodor H., Lancaster, Pa., assignor to W. P. Wirth. Padlock | Sept. 9, 1879 | 376 | 105 | 16 | 468 |
| 211, 677 | Wicke, Wilhelm, Stuyvesant, N. Y. Drop-shelf for ovens | Jan. 28, 1879 | 718 | 200 | 15 | 99 |
| 211, 678 | Same.....Cook-stove | Jan. 28, 1879 | 718 | 201 | 15 | 99 |
| 216, 249 | Wickens, George E., Tampico, Ill. Shirt-protector | June 3, 1879 | 251 | 75 | 15 | 917 |
| 212, 075 | Wickersham, John B., Philadelphia, Pa. Metal fence | Feb. 4, 1879 | 288 | 79 | 15 | 161 |
| 220, 201 | Wickersham, William, Boston, Mass. Nail-cutting machine | Sept. 30, 1879 | 1326 | 366 | 16 | 622 |
| 220, 103 | Wickersheimer, Jean, Berlin, Prussia, Germany. Compound for preserving organic bodies | Sept. 30, 1879 | 1218 | ..... | 16 | 607 |
| | Wickes, Edward N. (*See* Wickes, Henry D. and E. N.) | | | | | |
| 212, 526 | Wickes, Henry D. and E. N., East Saginaw, Mich. Gang-saw mill | Feb. 18, 1879 | 834 | 231 | 15 | 240 |
| 211, 821 | Wickes, James H., Chicago, Ill. Drier for cotton, wool, &c | Jan. 28, 1879 | 881 | 248 | 15 | 120 |
| 213, 481 | Same.....Mechanism for driving fan-blowers in railway-cars | Mar. 18, 1879 | 807 | 228 | 15 | 418 |
| 217, 310 | Wickham, Horace J., Hartford, Conn. Envelope-machine | July 8, 1879 | 429 | 126 | 16 | 67 |
| 217, 311 | Same.....Envelope-gumming machine | July 8, 1879 | 430 | 127 | 16 | 67 |
| 222, 336 | Wickham, Owen B., Titusville, Pa. Polish-rod adjuster for artesian and other wells.. | Dec. 2, 1879 | 246 | 67 | 16 | 1043 |
| 216, 924 | Wicks, William A., Baltimore, Md. Apparatus for filling and soldering cans | June 24, 1879 | 1053 | 298, 299 | 15 | 1046 |
| 211, 361 | Widdowson, Thomas, Sheffield, England. Umbrella-runner | Jan. 14, 1879 | 342 | 100 | 15 | 44 |
| 222, 760 | Widger, William S., Pleasant Mount, Pa. Spring-brace for vehicles | Dec. 16, 1879 | 746 | 215 | 16 | 1131 |
| 221, 134 | Widmer, Charles, Brooklyn, N. Y. Sewing-machine for sewing sweat-linings into hats | Oct. 28, 1879 | 1079 | 285 | 16 | 803 |
| 221, 884 | Same.....Hat-felting machine | Nov. 18, 1879 | 865 | 242 | 16 | 948 |
| 222, 645 | Wieand, Moses, Emaus, Pa. Water-spout | Dec. 16, 1879 | 633 | 181 | 16 | 1115 |
| | Wieboldt, Pet. W. (*See* Mueller & Wieboldt.) | | | | | |
| | Wiede, Louis. (*See* Spalding & Wiede.) | | | | | |
| 219, 132 | Wiegand, Conrad, Virginia City, Nev. Leaching out silver from mixed amalgams by mercury | Sept. 2, 1879 | 84 | 26 | 16 | 423 |
| 213, 270 | Wiegand, S. Lloyd, assignor of one-half interest to W. J. Budd, Philadelphia, Pa. Car-wheel | Mar. 11, 1879 | 584 | 163 | 15 | 380 |
| 221, 201 | Wiegand, S. Lloyd, Philadelphia, Pa. Pump for compressing air and gas | Nov. 4, 1879 | 67 | 18 | 16 | 821 |
| | Wiener, Oscar, *et al.* (*See* Spence, John A., assignor.) | | | | | |
| | Wiener, Simon, *et al.* (*See* Spence, John A., assignor.) | | | | | |
| | Wienges, Osnel H. (*See* Howell & Wienges.) | | | | | |
| 217, 661 | Wiese, Anton H., and J. E. Roder, Indianapolis, Ind. Bellows | July 15, 1879 | 826 | 236 | 16 | 129 |
| 221, 885 | Wiesebrock, Frederick W., New York, N. Y. Pressure regulator and indicator | Nov. 18, 1879 | 866 | 242 | 16 | 948 |
| 222, 557 | Wiestling, George B., Mont Alto, Pa. Dumping-cart | Dec. 9, 1879 | 507 | 143 | 16 | 1087 |
| 8, 563 | Wiggers, Henry H., assignor to self and F. B. Kearney, Cincinnati, Ohio. Cradle.....(Reissue).. | Jan. 28, 1879 | 911 | 256 | 15 | 124 |
| 219, 048 | Wiggins, Jefferson G., Seneca Falls, N. Y. Sheet-metal can | Aug. 26, 1879 | 1102 | 310 | 16 | 399 |
| 219, 049 | Same..... Can-opener | Aug. 26, 1879 | 1103 | 310 | 16 | 399 |
| 223, 029 | Wight, Peter B., Chicago, Ill. Cigar-puncturing device | Dec. 30, 1879 | 1062 | 303 | 16 | 1197 |
| 220, 895 | Wight, Stanley G., Detroit, Mich. Cupel-furnace | Oct. 21, 1879 | 792 | 212 | 16 | 757 |
| | Wightman, John J. (*See* Burton & Lynde, assignors.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 211, 122 | Wilber, John D., Towanda, Pa., assignor to J. C. Marshall, Salt Point, N. Y. Mower | Jan. 7, 1879 | 50 | 16 | 15 | 7 |
| 216, 299 | Wilbur, Andrew J., Raynham, assignor to G. McKay and J. W. Brooks, trustees, Boston, Mass. Machine to unite soles to uppers | June 10, 1879 | 330 | 97 | 15 | 934 |
| | Wilbur, David, *et al.* (*See* Cummings, Schuyler, assignor.) | | | | | |
| | Wilcox, Carlos. (*See* Curran, John J., assignor) (Reissue.) | | | | | |
| 215, 193 | Wilcox, Carlos, Minneapolis, Minn. Steam and hot-air kiln for drying lumber, &c | May 6, 1879 | 235 | 69, 70 | 15 | 732 |
| 8, 868 | Wilcox, Charles K., Dayton, Ohio. Vehicle-wheel hub (Reissue) | Aug. 26, 1879 | 1113 | 312 | 16 | 400 |
| 218, 207 | Wilcox, Charles K., Lima, Ohio. Wagon-spoke tenon | Aug. 5, 1879 | 117 | 32 | 16 | 256 |
| 218, 353 | Wilcox, Chester G., Wilkesbarre, Pa. Spring-perch vehicle | Aug. 5, 1879 | 271 | 74 | 16 | 256 |
| 220, 009 | Same Side-spring vehicle | Sept. 23, 1879 | 1091 | 302 | 16 | 581 |
| 221, 886 | Wilcox, Darius, Derby, assignor to Wilcox & Howe, Birmingham, Conn. Die for forming fifth-wheel blanks | Nov. 18, 1879 | 867 | 242 | 16 | 949 |
| | Wilcox, Edward M. (*See* Fisher, John L., assignor.) | | | | | |
| | Wilcox, Frank L. (*See* Goodman & Wilcox.) | | | | | |
| 217, 662 | Wilcox, Horace C., and J. Jepson, assignors to Meriden Brittannia Company, West Meriden, Conn. Covered article of plated ware | July 15, 1879 | 828 | 237 | 16 | 130 |
| | Wilcox & Howe. (*See* Wilcox, Darius, assignor.) | | | | | |
| 8, 747 | Wilcox, Irving F., Streetsborough, Ohio. Basket-splint (Reissue) | June 10, 1879 | 555 | 158 | 15 | 963 |
| 213, 020 | Wilcox, John F., Goodland, Ind. Harrow | Mar. 4, 1879 | 291 | 82 | 15 | 334 |
| 219, 050 | Wilcox, Joseph R., San Francisco, Cal. Automatic mine-draining apparatus | Aug. 26, 1879 | 1104 | 310 | 16 | 399 |
| | Wilcox, Josiah. (*See* Rowell, Stratton M., assignor.) | | | | | |
| | Wilcox Silver Plate Company. (*See* Babbitt, S. William, assignor.) | | | | | |
| 211, 608 | Wilcox, Spencer G., Weedsport, N. Y., assignor of one-half interest to A. H. Whiting, Harrisburg, Pa. Rod and bolt cutter | Jan. 21, 1879 | 622 | 175 | 15 | 83 |
| | Wilcox, Stephen, *et al.* (*See* Pratt, Nathaniel W., assignor.) | | | | | |
| 218, 206 | Wilcox, Warren N., Shellsburg, Iowa. Retaining-spring for watch-barrels | Aug. 5, 1879 | 116 | 31 | 16 | 236 |
| | Wilcox & White Organ Company. (*See* White, James H., assignor.) | | | | | |
| 213, 309 | Wilcox, William C., San Francisco, Cal. Pump | Mar. 18, 1879 | 643 | 181 | 15 | 396 |
| | Wild, Joseph H. (*See* Bates & Wild.) | | | | | |
| 214, 737 | Wilder, Charles O., Monmouth, Ill., assignor to J. I. Case Plow Company, Racine, Wis. Plow | Apr. 22, 1879 | 1188 | 334 | 15 | 648 |
| 217, 759 | Same same | July 29, 1879 | 948 | 272 | 16 | 155 |
| 222, 219 | Wilder, Eli F., Somerville, Mass. Apparatus for storing, measuring, and drawing oils | Dec. 2, 1879 | 117 | 29, 30 | 16 | 1025 |
| | Wilder, John H. (*See* Palm, Andrew, assignor.) | | | | | |
| 213, 080 | Wilder, John T., Chattanooga, Tenn. Turbine water-wheel | Mar. 11, 1879 | 370 | 104, 105 | 15 | 353 |
| | Wilder, Moses G. (*See* Gilbert & Wilder.) | | | | | |
| 220, 202 | Wilder, Moses G., Brooklyn, assignor, by mesne assignments, to New York Gas Controller Company, New York, N. Y. Pressure-regulator | Sept. 30, 1879 | 1328 | 367 | 16 | 622 |
| 211, 822 | Wilder, William H., Waterport, N. Y. Plow | Jan. 28, 1879 | 882 | 248 | 15 | 120 |
| 212, 076 | Same Plow-wheel standard | Feb. 4, 1879 | 290 | 79 | 15 | 161 |
| 213, 482 | Wildermuth, La Fayette, New Lexington, Ohio. Wire-coiling machine | Mar. 18, 1879 | 808 | 229 | 15 | 418 |
| 220, 557 | Same Spring bed-bottom | Oct. 14, 1879 | 407 | 106 | 16 | 697 |
| 211, 285 | Wiley, Joseph H., Tupelo, Miss. Hand-power for sewing-machines | Jan. 7, 1879 | 227 | 66 | 15 | 30 |
| 220, 322 | Wiley, Solon L., Greenfield, Mass. Bell-joint for coupling metal pipes | Oct. 7, 1879 | 127 | 35 | 16 | 652 |
| 213, 722 | Wiley, William, jr., Joplin, Mo. Condensing fumes from smelting-furnaces | Mar. 25, 1879 | 1080 | 306 | 15 | 461 |
| | Wilford, John B. (*See* Bradford & Wilford.) | | | | | |
| 219, 888 | Wilhelm, George K., assignor of one-half interest to W. Baynes, Buffalo, N. Y. Fifth-wheel for vehicles | Sept. 23, 1879 | 854 | 264 | 16 | 562 |
| 211, 123 | Wilhelm, John H., Denver, Colo. Bag-fastener | Jan. 7, 1879 | 52 | 16 | 15 | 7 |
| 211, 824 | Same Ore-washer and amalgamator | Jan. 28, 1879 | 884 | 249 | 15 | 120 |
| | Wilhelm, John R. (*See* Clark & Wilhelm.) | | | | | |
| | Wilhelm, Simon. (*See* Estabrook, Wilhelm, Wisner & Gilliland.) | | | | | |
| | Wilhelm, W. Henry. (*See* Heckendorn, Henry C., assignor.) | | | | | |
| | Wilhelm, William H. (*See* Heckendorn, Henry C., assignor.) | | | | | |
| | Wilhide & Brother, J. T. (*See* Koons, Cornelius, assignor) (Reissue.) | | | | | |
| 215, 851 | Wilkerson, Basil M., Baltimore, Md. Combined instrument-case and dental engine | May 27, 1879 | 1018 | 297 | 15 | 855 |
| 216, 637 | Wilkes, Edward V., Kansas City, Mo. Barbed-wire fence | June 17, 1879 | 714 | 204 | 15 | 993 |
| 212, 179 | Wilkes, George, and A. Port, Monroe, Iowa. Car-axle box | Feb. 11, 1879 | 411 | 112 | 15 | 181 |
| 214, 540 | Wilkes, John, Charlotte, N. C. Baling-press | Apr. 22, 1879 | 979 | 275, 276 | 15 | 622 |
| | Wilkie, Washington, *et al.* (*See* Vliet, John B., assignor.) | | | | | |
| 220, 010 | Wilkins, Cooley M., assignor of one-half interest to H. M. Fickinger, Ashtabula, Ohio. Automatic car-brake | Sept. 23, 1879 | 1092 | 302 | 16 | 581 |
| 213, 271 | Wilkins, Frank, and A. A. McLean, San Francisco, Cal. Truss | Mar. 11, 1879 | 585 | 162 | 15 | 380 |
| 211, 609 | Wilkins, Joseph, Baltimore, Md. Treating fiber from mixed fabrics | Jan. 21, 1879 | 623 | ..... | 15 | 83 |
| 214, 222 | Same Separating animal from vegetable fibers in mixed fabrics | Apr. 8, 1879 | 571 | ..... | 15 | 532 |
| 219, 789 | Wilkins, Levin, Maysville, Mo. Gate | Sept. 16, 1879 | 836 | 231 | 16 | 537 |
| | Wilkins, Louis, *et al.*, executors. (*See* Dost, Theodore, assignor.) | | | | | |
| 213, 483 | Wilkins, Samuel A., Victoria, Tex. Fire and burglar proof safe | Mar. 18, 1879 | 810 | 229 | 15 | 418 |
| | Wilkins Washer Company. (*See* Wilkins, William F., assignor.) | | | | | |
| | Wilkins, William, *et al.* (*See* Dost, Theodore, assignor.) | | | | | |
| | Wilkins, William B. (*See* Huston, William, assignor.) | | | | | |
| 222, 761 | Wilkins, William F., Montreal, Quebec, Canada, assignor to Wilkins Washer Company, Hartford, Conn. Washing-machine | Dec. 16, 1879 | 747 | 215 | 16 | 1131 |
| 222, 805 | Wilkinson, Alfred, Philadelphia, Pa. Piston-rod packing | Dec. 23, 1879 | 811 | 232 | 16 | 1151 |
| 218, 611 | Wilkinson, Asa W., New York, N. Y. Scrubber or purifier for illuminating-gas | Aug. 12, 1879 | 579 | 163 | 16 | 310 |
| 221, 378 | Wilkinson, Charles F., L. S. Allison, P. Riley, and A. Mochamer, Hazelton, Pa. Mining-drill | Nov. 4, 1879 | 267 | 72 | 16 | 849 |
| 218, 610 | Wilkinson, Edward, Sheffield, Yorkshire County, England. Sheep-shears | Aug. 12, 1879 | 578 | 163 | 16 | 310 |
| 218, 101 | Wilkinson, John, Harvard, Ill. Tempering and purifying air and ventilating structures | July 29, 1879 | 1337 | 384 | 16 | 212 |
| 219, 331 | Wilkinson, Walter S., Baltimore, Md. Oscillating engine | Sept. 2, 1879 | 315 | 89 | 16 | 452 |
| 219, 551 | Will, Henry, and C. Uebele, Chicago, Ill. Velocipede | Sept. 9, 1879 | 557 | 156 | 16 | 491 |
| | Willard, G. G., *et al.* (*See* Bartley, Robert J., assignor.) | | | | | |
| 211, 486 | Willard, Henderson, and A. M. Cheney, Charlotte, Mich. Mechanical telephone | Jan. 21, 1879 | 481 | 135 | 15 | 65 |
| 221, 135 | Same Acoustic telephone | Oct. 28, 1879 | 1080 | 285 | 16 | 803 |
| | Willard, H. H., *et al.* (*See* Bartley, Robert J., assignor.) | | | | | |
| 221, 202 | Willard, Joel G., Brooklyn, N. Y. Packing for pistons, plungers, &c | Nov. 4, 1879 | 68 | 18 | 16 | 821 |
| 218, 413 | Willcox, Charles H., New York, N. Y. Machine for sewing straw-braid, &c | Aug. 12, 1879 | 347 | 96, 97 | 16 | 278 |
| 221, 489 | Willcox, Fenn, Newark, N. J. Can-top | Nov. 11, 1879 | 413 | 112 | 16 | 877 |
| | Willcox & Gibbs Sewing Machine Company. (*See* Bland, Henry, assignor.) | | | | | |
| 219, 550 | Willcox, Vestus P., and O. Ranney, Corry, Pa. Brush-wood-boring machine | Sept. 9, 1879 | 556 | 156 | 16 | 491 |
| 214, 477 | Willershausen, Siegfried, New York, N. Y. Rocking-chair | Apr. 15, 1879 | 880 | 248 | 15 | 603 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 214, 013 | Willford, Presley E., Green Township, Wayne County, assignor of one-half interest to S. E. Willford, Copley, Ohio. Animal-trap | Apr. 8, 1879 | 319 | 92 | 15 | 522 |
| | Willford, Samuel E. (*See* Willford, Presley E., assignor.) | | | | | |
| 213, 728 | William, John D., Rising Sun, Ind. Burglar-alarm | Mar. 25, 1879 | 1088 | 308 | 15 | 462 |
| 211, 610 | Williames, Napoleon W., assignor to self and W. W. Keys, Philadelphia, Pa. Bronzing metals | Jan. 21, 1879 | 624 | ..... | 15 | 83 |
| 212, 077 | Same.....Manufacture of alloys, &c | Feb. 4, 1879 | 290 | ..... | 15 | 162 |
| | Williams, Aaron W. C., *et al.* (*See* Fenton & Champlin, assignors.) | | | | | |
| | Williams, Adam C. (*See* Williams & Warren, assignors.) | | | | | |
| | Williams, A. L., *et al.* (*See* Jones & Russ, assignors.) | | | | | |
| | Williams, Alfred G. (*See* Havell & Williams.) | | | | | |
| 216, 925 | Williams, Benjamin J., Philadelphia, Pa. Washing-machine | June 24, 1879 | 1055 | 299 | 15 | 1046 |
| 8, 861 | Same.....same.....(Reissue) | Aug. 19, 1879 | 817 | 221 | 16 | 351 |
| | Williams, Charles, jr. (*See* Anders, George L., assignor.) | | | | | |
| 215, 780 | Williams, Charles A. and L. K., Joliet, Ill. Machine for shearing metal | May 27, 1879 | 929 | 273 | 15 | 845 |
| 213, 796 | Williams, Charles A., assignor of one-half interest to S. Williams, jr., Joliet, Ill. Thill-coupling | Apr. 1, 1879 | 72 | 23 | 15 | 482 |
| | Williams & Co., Thomas C. (*See* Duke, Patrick H., assignor.) | | | | | |
| 213, 154 | Williams, Edgar, San Francisco, Cal. Construction of bridges | Mar. 11, 1879 | 465 | 129 | 15 | 364 |
| 221, 646 | Williams, Edward J., assignor of one-half interest to L. A. Pratt, Saint Louis, Mo. Rock-drill | Nov. 11, 1879 | 581 | 162 | 16 | 902 |
| 222, 169 | Same.....Explosive compound | Dec. 2, 1879 | 60 | ..... | 16 | 1017 |
| 218, 466 | Williams, Edward M., Gilead, Mich. Car-coupling | Aug. 12, 1879 | 425 | 117 | 16 | 288 |
| | Williams, Evan R. (*See* Williams, Thomas R., E. R., and W. J.) | | | | | |
| 8, 860 | Williams, Francis A., Kansas City, Mo. Support for elevated railways....(Reissue | Aug. 19, 1879 | 816 | 230 | 16 | 350 |
| | Williams, Frank B. (*See* Kahler, Conrad, assignor.) | | | | | |
| 212, 418 | Williams, Frank E., New York, N. Y., assignor of one-half interest to Horton, Angell & Co., Attleborough, Mass. Button | Feb. 18, 1879 | 690 | 192 | 15 | 221 |
| 220, 104 | Williams, George, Mystic River, assignor of one-half interest to W. B. Manwaring, New London, Conn. Rowlock | Sept. 30, 1879 | 1218 | 235 | 16 | 607 |
| 220, 457 | Williams, George L., assignor of one-half interest to J. G. Barnsback, Edwardsville, Ill. Washing-machine | Oct. 7, 1879 | 271 | 73 | 16 | 673 |
| 221, 643 | Williams, George P., Harrisonburg, Va. Rest for driving-reins | Nov. 11, 1879 | 579 | 161 | 16 | 902 |
| 222, 762 | Williams, George R., Ithaca, N. Y. Horse-rake | Dec. 16, 1879 | 749 | 215 | 16 | 1132 |
| 215, 852 | Williams, George S., and A. B. Greenwood, Maysville, Ky. Bottle-cage | May 27, 1879 | 1019 | 297 | 15 | 855 |
| | Williams, George W. (*See* Scott & Williams.) | | | | | |
| 214, 975 | Williams, George W., San Diego, Cal. Animal-trap | Apr. 29, 1879 | 1460 | 406 | 15 | 692 |
| 220, 454 | Same.....Centrifugal honey-extractor | Oct. 7, 1879 | 269 | 72 | 16 | 672 |
| 223, 087 | Williams, Henry E., New Britain, Conn. Furnace-grate | Dec. 30, 1879 | 1143 | 323 | 16 | 1207 |
| | Williams, Henry W. (*See* Lord, Charles E., assignor.) | | | | | |
| 222, 558 | Williams, Homer A., and T. H. Brown, Chicago, Ill. Trotting-sulky | Dec. 9, 1879 | 508 | 143 | 16 | 1087 |
| | Williams, Isaac, *et al.* (*See* Fanning, John, assignor.) | | | | | |
| 221, 888 | Williams, James B., Boston, Mass. Suspenders | Nov. 18, 1879 | 869 | 243 | 16 | 949 |
| 217, 566 | Williams, James D., Chicago, Ill. Letter-box cabinet | July 15, 1879 | 722 | 206 | 16 | 116 |
| 220, 742 | Same.....Ink-well | Oct. 21, 1879 | 622 | 166 | 16 | 734 |
| 218, 802 | Williams, James H., and S. Moore, Newton, and R. H. Hurlbut, Sudbury, Mass., assignors to Standard Measuring Machine Company, Boston, Mass. Surface-measuring machine | Aug. 19, 1879 | 801 | 228 | 16 | 349 |
| 216, 074 | Williams, Jeptha, assignor of one-half interest to W. E. and S. A. Barker, Utica, Ky. Farm, street, and road scraper | June 3, 1879 | 74 | 22 | 15 | 894 |
| | Williams, John. (*See* Johnson, Jordan, assignor.) | | | | | |
| 213, 600 | Williams, John F., Carthage, Ill. Hydrogen-gas generator and carbureter | Mar. 25, 1879 | 950 | 270 | 15 | 444 |
| | Williams, John L. (*See* Brannen, Michael B., assignor.) | | | | | |
| 218, 415 | Williams, John L., East Newark, N. J. Toy pistol | Aug. 12, 1879 | 354 | 98 | 16 | 279 |
| 214, 014 | Williams, John R., Newark, N. J. Automatic weighing-machine | Apr. 8, 1879 | 320 | 92, 93 | 15 | 523 |
| 214, 015 | Same.....Cigar-bunching machine | Apr. 8, 1879 | 323 | 93, 94 | 15 | 523 |
| | Williams, John S., *et al.* (*See* Watkins, Alfred E., assignor.) | | | | | |
| 221, 644 | Williams, John S., assignor to J. H. Williams, Brooklyn, N. Y. Kerosene-stove | Nov. 11, 1879 | 580 | 161, 162 | 16 | 902 |
| 215, 781 | Williams, John W., Chagrin Falls, and N. E. Warren; said Warren assignor to A. C. Williams, Cleveland, Ohio. Sad-iron | May 27, 1879 | 931 | 273, 274 | 15 | 845 |
| 213, 797 | Williams, Joseph, Sharpsburg, E. Smith, Pittsburg, and J. R. Milligan, Wilkins Township, Allegheny County, Pa. Motor for machinery | Apr. 1, 1879 | 73 | 23 | 15 | 482 |
| | Williams, Josephine H. (*See* Williams, John S., assignor.) | | | | | |
| | Williams, Levi K. (*See* Williams, Charles A. and L. K.) | | | | | |
| 213, 081 | Williams, Lewis, Bennington, Vt. Machine for making pail-bails | Mar. 11, 1879 | 372 | 105 | 15 | 353 |
| 219, 051 | Williams, Martin, Saint Johnsville, N. Y. Thrashing-machine | Aug. 26, 1879 | 1106 | 310 | 16 | 399 |
| | Williams, M. D., *et al.* (*See* Bonscay, Eloi, assignor.) | | | | | |
| | Williams, Milton F. (*See* Forman & Williams.) | | | | | |
| 216, 713 | Williams, Moses A., Knoxville, Tenn. Nail picker and separating machine | June 17, 1879 | 795 | 228 | 15 | 1004 |
| 214, 221 | Williams, Newport H., and L. Chapman, Murrayville, Ill. Animal-trap | Apr. 8, 1879 | 570 | 161 | 15 | 552 |
| 215, 702 | Williams, Porter, London, Ontario, Canada. Spring bed-bottom | May 20, 1879 | 839 | 245 | 15 | 824 |
| 220, 687 | Williams, Richard S., New York, N. Y. Dental-foil package | Oct. 14, 1879 | 548 | 145 | 16 | 716 |
| | Williams, Rowland H. (*See* Merz & Williams.) | | | | | |
| 212, 775 | Williams, R. P., assignor of one-half interest to T. White, jr., Alameda, Cal. Derrick-stake | Feb. 25, 1879 | 1115 | 310 | 15 | 285 |
| 215, 190 | Williams, R. P., Alameda, Cal. Derrick-stake | May 6, 1879 | 231 | 68 | 15 | 732 |
| 221, 887 | Williams, Samuel S., assignor of one-half interest to R. Braudhuber, Chicago, Ill. Automatic feeding device for horses | Nov. 18, 1879 | 868 | 243 | 16 | 949 |
| | Williams, Solomon, jr. (*See* Williams, Charles A., assignor.) | | | | | |
| 219, 332 | Williams, Thomas R., E. R., and W. J., Pittsburg, Pa. Sand-washing machine | Sept. 2, 1879 | 317 | 89 | 16 | 452 |
| 216, 990 | Williams, William, Huntingdon, Pa. Registering liquor-faucet | July 1, 1879 | 68 | 21 | 16 | 17 |
| 221, 645 | Williams, William, Harrisonburg, Va. Door-fastener | Nov. 11, 1879 | 581 | 162 | 16 | 902 |
| 218, 801 | Williams, William H., Mineola, N. Y. Gate and door closing device | Aug. 19, 1879 | 800 | 228 | 16 | 349 |
| | Williams, William J. (*See* Williams, Thomas R., E. R., and W. J.) | | | | | |
| 217, 185 | Williamson, Daniel, Sunbury, Pa. Grain-binder | July 1, 1879 | 285 | 84, 85 | 16 | 39 |
| | Williamson, David. (*See* Shaw & Williamson.) | | | | | |
| 219, 133 | Williamson, Thomas J., Carson City, Nev. Drill-sharpener | Sept. 2, 1879 | 87 | 26 | 16 | 424 |
| 211, 537 | Williamson, Thomas P., Golconda, Ill. Bee-hive | Jan. 21, 1879 | 538 | 152 | 15 | 72 |
| | Williamson, William H. (*See* Thompson & Williamson.) | | | | | |
| 221, 988 | Williamson, William P., Quincy, Ill. Cooling and ventilating cars | Nov. 25, 1879 | 1006 | 282 | 16 | 976 |
| 223, 204 | Willie, William T., Independence, Tex. Convertible cotton-planter | Dec. 30, 1879 | 1269 | 359 | 16 | 1225 |
| 212, 776 | Willis, Charles E., Brooklyn, N. Y. Lamp chimney or globe protector | Feb. 25, 1879 | 1116 | 310 | 15 | 286 |
| 214, 738 | Willis, Henry S., Onondaga, Mich. Device for shunting cars | Apr. 22, 1879 | 1189 | 334 | 15 | 648 |
| 219, 053 | Willis, Henry S., Brooklyn, N. Y. Wash-board | Aug. 26, 1879 | 1108 | 311 | 16 | 400 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 213,484 | Willis, William, jr., Bromley, England. Photo-chemical printing | Mar. 18, 1879 | 811 | ..... | 15 | 418 |
| 222,110 | Willis, William T., and C. S. Funkhouser, Plattsburg, Mo. Wool-press | Nov. 25, 1879 | 1141 | 321 | 16 | 995 |
| 8,673 | Wills, John B., Keeseville, assignor to W. M. Mooney & Co., Ausable Chasm, N. Y. Machine for finishing horseshoe-nails (Reissue) | Apr. 15, 1879 | 888 | 250, 251 | 15 | 603 |
| 220,011 | Wills, Joseph, Alton, Ill. Ironing-table | Sept. 23, 1879 | 1093 | 302 | 16 | 581 |
| 219,839 | Willsey, Jackson, Chicago, Ill. Water-filter | Sept. 23, 1879 | 906 | 250 | 16 | 556 |
| 212,639 | Willson, Freeman R., sr., Columbus, Ohio. Whiffletree | Feb. 25, 1879 | 973 | 269 | 15 | 266 |
| | Willson, Hiram. (*See* Murray & Willson.) | | | | | |
| | Willson, Samuel M. (*See* Murray & Willson.) | | | | | |
| 217,969 | Willson, Samuel Z., Bay City, Mich. Sole and heel plate for boots and shoes | July 29, 1879 | 1191 | 341 | 16 | 194 |
| 217,760 | Willson, Thomas, Richmond Hill, Ontario, Canada. Fanning-mill | July 22, 1879 | 949 | 273 | 16 | 155 |
| 215,420 | Willson, Thomas A., and G. W. Meigs, Reading, Pa., assignors to said T. A. Willson. Spectacles | May 13, 1879 | 510 | 151 | 15 | 771 |
| 217,840 | Wilmington, William, Toledo, Ohio. Car-wheel mold | July 22, 1879 | 1039 | 297 | 16 | 167 |
| 222,765 | Same.....Car-wheel chill | Dec. 16, 1879 | 752 | 216, 217 | 16 | 1132 |
| 222,973 | Wilmot, Samuel R., assignor to American Belt Tin and Tube Company, Bridgeport, Conn. Rolling-mill | Dec. 23, 1879 | 1004 | 288 | 16 | 1179 |
| 220,455 | Wilson, Alexander T., Fairfield, Ill. Rail-joint | Oct. 7, 1879 | 270 | 72 | 16 | 672 |
| | Wilson, Alfred. (*See* Brook & Wilson.) | | | | | |
| 219,553 | Wilson, Alonzo N., Coon Rapids, Iowa. Harvester | Sept. 9, 1879 | 559 | 156, 157 | 16 | 492 |
| 218,910 | Wilson, Alphonso, New York, N. Y. Point for drive-wells | Aug. 26, 1879 | 959 | 269 | 16 | 380 |
| 8,757 | Wilson, Bartholomew, and F. P. Grimes, Dayton, Ohio, assignors to J. R. Winterbotham, Chicago, Ill. Wire fence (Reissue) | June 17, 1879 | 803 | 230 | 15 | 1006 |
| 211,645 | Wilson, Benjamin, Wilsonburg, W. Va. Lighting and ventilating closets | Jan. 28, 1879 | 682 | 191 | 15 | 94 |
| 219,552 | Wilson, Charles F., Brooklyn, N. Y. Hinge | Sept. 9, 1879 | 558 | 156 | 16 | 492 |
| 213,962 | Wilson, Charles F. K., Seymour, Iowa. Clothes-pounder | Apr. 1, 1879 | 246 | 72 | 15 | 504 |
| 215,421 | Wilson, David, and W. B. Hartley, Washington, D. C. Steam-generator | May 13, 1879 | 512 | 151 | 15 | 771 |
| | Wilson, David C. (*See* Baker, James R., assignor.) | | | | | |
| 219,052 | Wilson, David E., Darlington, Md. Cattle-fastener | Aug. 26, 1879 | 1107 | 311 | 16 | 399 |
| 214,223 | Wilson, Ezra, New Castle, Pa. Car-coupling | Apr. 8, 1879 | 572 | 161 | 15 | 552 |
| 217,034 | Wilson, F. Cortez, Chicago, Ill. Cabinet oil-tank | July 1, 1879 | 119 | 35 | 16 | 18 |
| 222,763 | Same.....Casing for cans | Dec. 16, 1879 | 750 | 215, 216 | 16 | 1132 |
| 222,764 | Same.....Frame or support for swinging cans | Dec. 16, 1879 | 751 | 216 | 16 | 1132 |
| 216,481 | Wilson, Francis M., assignor to self and J. Fullen, Tekamah, Nebr. Windmill | June 10, 1879 | 538 | 154 | 15 | 961 |
| | Wilson, Francis T. (*See* Bartlett & Wilson.) | | | | | |
| 215,422 | Wilson, George, and A. Raymond, Amsterdam, N. Y. Paper-machine | May 13, 1879 | 513 | 151 | 15 | 772 |
| 211,287 | Wilson, George F., East Providence, R. I. Carriage-curtain fastener | Jan. 7, 1879 | 230 | 68 | 15 | 30 |
| 215,191 | Wilson, George F., East Providence, and C. A. Catlin, Providence, R. I. Method of and apparatus for drying | May 6, 1879 | 231 | 68, 69 | 15 | 732 |
| 215,192 | Wilson, George F., East Providence, R. I. Apparatus for drying | May 6, 1879 | 233 | 69 | 15 | 732 |
| 218,803 | Same..... Spinning-ring and method of forming the same | Aug. 19, 1879 | 804 | 228 | 16 | 349 |
| 221,889 | Wilson, George F., T. Jones, and C. A. Catlin, East Providence, R. I., assignors to said Wilson, trustee. Manufacture of yellow-metal or brass, &c | Nov. 18, 1879 | 870 | 243 | 16 | 949 |
| 215,497 | Wilson, Gilbert H., Summit Township, Jackson County, Mich. Car-coupling | May 20, 1879 | 616 | 180 | 15 | 794 |
| 218,414 | Wilson, Henry P., New York, N. Y., assignor to Washburn & Moen Manufacturing Company, Worcester, Mass. Machine for splicing and twisting wire | Aug. 12, 1879 | 352 | 97 | 16 | 279 |
| 213,485 | Wilson, Henry W., G. J. Birnbaum, and O. Banks, Cincinnati, Ohio. Check-rein | Mar. 18, 1879 | 812 | 229 | 15 | 418 |
| 220,456 | Wilson, Henry W., and A. Gandy, Freeport, Ohio. Thill-coupling | Oct. 7, 1879 | 270 | 73 | 16 | 672 |
| 214,268 | Wilson, Jacob W., Summerford, Ohio. Churn | Apr. 15, 1879 | 645 | 181 | 15 | 571 |
| 211,538 | Wilson, James D., assignor to self and M. Hendrie, Montague, Mich. Attachment to circular-saw-mill carriages | Jan. 21, 1879 | 539 | 152 | 15 | 72 |
| 221,379 | Wilson, James D., Montague, Mich. Buffer for reciprocating-saw mills | Nov. 4, 1879 | 268 | 72 | 16 | 850 |
| 211,679 | Wilson, James E., Chicago, Ill. Ruffling attachment for sewing-machines | Jan. 28, 1879 | 719 | 201 | 15 | 99 |
| 213,724 | Wilson, James E., Bridgeport, Conn. Fluting-machine | Mar. 25, 1879 | 1082 | 307 | 15 | 462 |
| 218,151 | Wilson, James E., Chicago, Ill. Sewing-machine trimming attachment | Aug. 5, 1879 | 53 | 15 | 16 | 227 |
| 222,806 | Wilson, James G., Streator, Ill. Gate | Dec. 23, 1879 | 812 | 232 | 16 | 1151 |
| 223,205 | Wilson, James O., Saint Louis, Mo., and R. Bolinger, Jacksonville, Ill.; said Bolinger assignor to said Wilson. Fly-screen | Dec. 30, 1879 | 1270 | 359 | 16 | 1225 |
| | Wilson, J. B. (*See* Fager, Anthony, assignor.) | | | | | |
| | Same.....(*See* Kingsnorth, William C., assignor.) | | | | | |
| 211,288 | Wilson, Jefferson, Beaver Falls, Pa. Sash-fastener and burglar-alarm | Jan. 7, 1879 | 232 | 68 | 15 | 30 |
| | Wilson, John F. (*See* Kelley, William P., assignor.) | | | | | |
| 216,008 | Wilson, John J. W., assignor of one-half interest to T. O'Neill, Baltimore, Md. Line-holder | May 27, 1879 | 1172 | 341 | 15 | 875 |
| | Wilson, John R., *et al.* (*See* Kurtz, Luther S., assignor.) | | | | | |
| 216,482 | Wilson, John R., and W. M Baker, Urbana, Ohio. Hog-holder | June 10, 1879 | 539 | 154 | 15 | 961 |
| 219,333 | Wilson, John T., assignor to Wilson, Walker & Co., Pittsburg, Pa. Manufacture of ring-bolt plates for railway-cars | Sept. 2, 1879 | 318 | 90 | 16 | 452 |
| 219,334 | Same.....Buffer-head for car-coupling | Sept. 2, 1879 | 318 | 90 | 16 | 452 |
| 219,335 | Same.....Manufacture of end-pieces for cross-bars of truck-frames | Sept. 2, 1879 | 319 | 90 | 16 | 452 |
| 8,999 | Wilson, Joseph H., Boston, Mass. Double reversible lathe (Reissue) | Dec. 16, 1879 | 761 | 218, 219 | 16 | 1134 |
| 214,976 | Wilson, Joseph M., Philadelphia, Pa. Water-closet cistern | Apr. 29, 1879 | 1461 | 406 | 15 | 692 |
| 220,688 | Same.....Water-closet hopper | Oct. 14, 1879 | 549 | 145 | 16 | 716 |
| 215,782 | Wilson, Joseph S., Philadelphia, Pa. Thrust-block | May 27, 1879 | 931 | 274 | 15 | 845 |
| 221,435 | Same.....Tube-packing for surface-condensers | Nov. 11, 1879 | 346 | 95 | 16 | 869 |
| 216,009 | Wilson, Merrick F., assignor of one-half interest to W. C. Ritchie, Chicago, Ill. Paper-box-cover machine | May 27, 1879 | 1173 | 341 | 15 | 875 |
| 217,035 | Wilson, Merrick F., Chicago, assignor of one-half interest to C. R. Steele and V. C. Price, Waukegan, Ill. Machine for making and cutting paper tubes | July 1, 1879 | 120 | 35 | 16 | 18 |
| | Wilson, Mordecai. (*See* Summers & Wilson.) | | | | | |
| 211,204 | Wilson, Oscar B., Collinsville, Ill. Sash-holder | Jan. 7, 1879 | 137 | 42 | 15 | 19 |
| 220,558 | Same.....Die for making stock-bell staples | Oct. 14, 1879 | 408 | 106 | 16 | 698 |
| 222,559 | Wilson, Samuel W., New York, assignor to W. S. and G. Earl, Troy, and W. Wilson, New York, N. Y. Box for displaying cuffs | Dec. 9, 1879 | 509 | 143 | 16 | 1087 |
| | Wilson Sewing Machine Company. (*See* Darling, George S., assignor.) | | | | | |
| | Wilson, Theodore A., *et al.* (*See* Paul, George D., assignor.) | | | | | |
| 222,111 | Wilson, Theodore D., United States Navy. Air-port for vessels | Nov. 25, 1879 | 1142 | 322 | 16 | 996 |
| 222,112 | Same.....Machine for drawing bolts | Nov. 25, 1879 | 1143 | 322 | 16 | 996 |
| 213,723 | Wilson, Theodore F., Washington, D. C. Can-opener | Mar. 25, 1879 | 1081 | 307 | 15 | 461 |
| | Wilson, Walker & Co. (*See* Wilson, John T., assignor.) | | | | | |
| | Wilson, Washington, *et al.* (*See* Wilson, Samuel W., assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Wilson, William, jr. (*See* Green & Wilson.) | | | | | |
| 214, 977 | Wilson, William, jr., assignor of one-half interest to C. Green, Greenville, Del. Machine for looping and cutting wire | Apr. 29, 1879 | 1462 | 407 | 15 | 692 |
| 220, 046 | Wilson, William, Hartford, Conn. Sash-fastener | Sept. 30, 1879 | 1148 | 316 | 16 | 596 |
| 217, 841 | Wilson, William, Oakland, Cal. Sewer-trap attachment | July 22, 1879 | 1041 | 298 | 16 | 167 |
| 220, 559 | Same Gas-check for waste and sewer pipes | Oct. 14, 1879 | 409 | 106 | 16 | 698 |
| | Wilson, William A. (*See* Dunlevy, Harrison H., assignor.) | | | | | |
| | Wilson, William H. (*See* York & Wilson.) | | | | | |
| 216, 774 | Wilson, William S., Sunderland, England. Galvanic battery | June 24, 1879 | 885 | 251 | 15 | 0025 |
| | Wilson, William W., *et al.* (*See* Whittemore, Amos, assignor) (Reissue.) | | | | | |
| 220, 105 | Wilt, Benjamin, Petersburg, Pa. Combined truck and bag-holder | Sept. 30, 1879 | 1219 | 336 | 16 | 607 |
| 214, 339 | Wimer, John R., Huntingdon, Pa. Monument | Apr. 15, 1879 | 737 | 206 | 15 | 583 |
| 212, 078 | Wimer, William, Union City, Ind. Draw-bar | Feb. 4, 1879 | 291 | 79 | 15 | 162 |
| 221, 261 | Wimmer, Alexander, Saint Louis, Mo., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Latch | Nov. 4, 1879 | 133 | 36 | 16 | 831 |
| 218, 804 | Winans, Herman W., New York, N. Y. Packing for stuffing-boxes, &c | Aug. 19, 1879 | 805 | 229 | 16 | 349 |
| 215, 423 | Winans, Leonard O., Newburg, N. Y. Plaiting-machine | May 13, 1879 | 514 | 152 | 15 | 772 |
| 213, 486 | Winans, Myron L., Galesburg, Ill. Thill-coupling | Mar. 18, 1879 | 813 | 229 | 15 | 418 |
| 212, 164 | Winants, Josiah E., Wilmington, N. C. Refrigerating apparatus | Feb. 11, 1879 | 394 | 108 | 15 | 179 |
| | Winchester Repeating Arms Company. (*See* Bennett, Thomas G., assignor.) | | | | | |
| | Same (*See* Gardner, John, assignor.) | | | | | |
| | Same (*See* Howard, Arthur L., assignor.) | | | | | |
| | Same (*See* Moore, John, assignor.) | | | | | |
| | Same (*See* Sweeney & Wetmore, assignors.) | | | | | |
| | Same (*See* Warfield, Oliver D., assignor.) | | | | | |
| | Same (*See* Wetmore, William W., assignor.) | | | | | |
| | Same (*See* Winchester, William W., assignor.) | | | | | |
| 219, 840 | Winchester, William W., assignor to Winchester Repeating Arms Company, New Haven, Conn. Manufacturing bullets | Sept. 23, 1879 | 907 | 250 | 16 | 556 |
| | Winderling, Gustavo N. (*See* Winderling, Luigi N., G. N., and L. N.) | | | | | |
| | Winderlinn, Luciano N. (*See* Winderling, Luigi N., G. N., and L. N.) | | | | | |
| 216, 250 | Winderling, Luigi N., G. N., and L. N., Milan, Italy. Process and apparatus for the manufacture of dental plates | June 3, 1879 | 252 | 75 | 15 | 917 |
| 217, 663 | Windmüller, John, and F. Ahrens, New York, N. Y. Register and indicator | July 15, 1879 | 828 | 237 | 16 | 130 |
| 214, 541 | Windrath, Carl, Buffalo, N. Y. Combined copying and recording machine | Apr. 22, 1879 | 980 | 276 | 15 | 622 |
| | Wing, David, *et al.* (*See* Burbank, Abner, assignor.) | | | | | |
| 221, 760 | Wing, Henry S., Grand Rapids, Mich. Carpet-sweeper | Nov. 18, 1879 | 719 | 200 | 16 | 929 |
| 215, 783 | Wing, Levi J., Baltimore, Md. Ventilator | May 27, 1879 | 932 | 274 | 15 | 845 |
| 214, 269 | Winghart, William J., assignor of one-half interest to Hermann & Wall, New York, N. Y. Skeleton-crate for hats, &c | Apr. 15, 1879 | 646 | 181 | 15 | 571 |
| | Winings, Samuel L. (*See* Hinkley, William B., assignor.) | | | | | |
| 211, 875 | Winkless, William, Newport, Ky. Fire-escape | Feb. 4, 1879 | 61 | 18 | 15 | 134 |
| 219, 889 | Winn, Ammi C., assignor to E. A. G. Roulstone, Boston, Mass. Combined napkin ring and support | Sept. 23, 1879 | 955 | 264 | 16 | 562 |
| | Winn, George L. (*See* Bliss, Jonathan, assignor.) | | | | | |
| 217, 761 | Winn, James W., Haverhill, Mass. Boot and shoe | July 22, 1879 | 950 | 273 | 16 | 156 |
| | Winn, J. B. (*See* Eggelston & Reed, assignors.) | | | | | |
| 215, 424 | Winn, Lowell A., Cartbage, N. Y. Carpet-stretcher | May 13, 1879 | 514 | 152 | 15 | 772 |
| | Winn, Willis H., *et al.* (*See* McNett, Lyman F., assignor) (Reissue.) | | | | | |
| 212, 079 | Winne, William I., Albany, N. Y. Box-fastener | Feb. 4, 1879 | 292 | 79 | 15 | 162 |
| 221, 203 | Winne, William I., Albany, assignor of one-half interest to C. L. Locke, Buffalo, N. Y. Basket-cover fastening | Nov. 4, 1879 | 69 | 18 | 16 | 821 |
| | Winslow, Freeman, *et al.* (*See* Rogers, Josiah W., assignor.) | | | | | |
| | Same same (Reissue.) | | | | | |
| 221, 647 | Winslow, Freeman, Salem, and C. S. Fifield, Boston, Mass., assignors to said Winslow, trustee. Machine for buffing boot and shoe soles | Nov. 11, 1879 | 582 | 162 | 16 | 902 |
| 222, 337 | Winslow, Henry B., assignor to E. T. Humphrey, Marblehead, Mass. Apparatus for the manufacture of lamp-black | Dec. 2, 1879 | 247 | 67 | 16 | 1043 |
| | Winslow, Sidney W., *et al.* (*See* Rogers, Josiah W., assignor.) | | | | | |
| | Same same (Reissue.) | | | | | |
| 215, 703 | Winsor, Charles F., Seattle, Wash. Feathering paddle-wheel | May 20, 1879 | 840 | 245 | 15 | 824 |
| 218, 805 | Winsor, Jirah R., assignor of one-half interest to O. Winsor, Perry, Iowa. Lock | Aug. 19, 1879 | 806 | 229 | 16 | 349 |
| | Winsor, Ora. (*See* Winsor, Jirah R., assignor.) | | | | | |
| 220, 689 | Winsor, Peter, and L. A. Hall, Owatonna, Minn. Nut-roaster | Oct. 14, 1879 | 550 | 145 | 16 | 717 |
| | Winstandley, John. (*See* Holzner & Winstandley.) | | | | | |
| 215, 194 | Winston, Alexander, Fayette, Iowa. Cheese-box | May 6, 1879 | 240 | 70 | 15 | 733 |
| 215, 853 | Winter, David T., assignor of one-half interest to C. E. Teague, Peabody, Mass. Machine for ascertaining the area and weight of hides | May 27, 1879 | 1020 | 297, 298 | 15 | 855 |
| 221, 380 | Winter, Ignatius S., assignor of one-half interest to A. G. Hyde, Boston, Mass. Pendulum-level | Nov. 4, 1879 | 267 | 73 | 16 | 850 |
| | Winterbotham, John R. (*See* Wilson & Grimes, assignors) (Reissue.) | | | | | |
| 212, 080 | Winterbotham, Joseph, Joliet, Ill. Barbed fence | Feb. 4, 1879 | 292 | 80 | 15 | 162 |
| 8, 784 | Wintergerst, Christoph, Mobile, Ala., assignor to Doane & Wellington, New York, N. Y. Vapor-burner (Reissue) | July 1, 1879 | 301 | 89 | 16 | 41 |
| | Winters, Francis, jr., *et al.* (*See* Waring, John B., assignor.) | | | | | |
| 214, 224 | Winters, Joseph R., Chambersburg, Pa. Fire-escape ladder | Apr. 8, 1879 | 572 | 161 | 15 | 552 |
| | Wires, Ephraim L. (*See* Estabrook, Joseph M., assignor.) | | | | | |
| 212, 292 | Wirt, Ben, and H. G. Clouser, Millersburg, Pa. Middlings-separator | Feb. 11, 1879 | 535 | 150 | 15 | 197 |
| 214, 542 | Wirt, Daniel P., Oak Grove, Va. Corn sheller separator | Apr. 22, 1879 | 983 | 276 | 15 | 622 |
| 218, 846 | Wirth, Christian, Godfrey, Ill. Harrow | Aug. 26, 1879 | 887 | 248 | 16 | 369 |
| | Wirth, William P. (*See* Wichert, Theodor H., assignor.) | | | | | |
| 213, 798 | Wirth, William P., and T. H. Wichert, Lancaster, Pa. Padlock | Apr. 1, 1879 | 74 | 24 | 15 | 482 |
| 214, 740 | Same same | Apr. 22, 1879 | 1190 | 335 | 15 | 649 |
| | Wise, Henry A., *et al.* (*See* Linton, Harry E., assignor.) | | | | | |
| 220, 458 | Wise, James F., Wadley, Ga. Sand-band for vehicles | Oct. 7, 1879 | 272 | 73 | 16 | 673 |
| | Wise, Jonas B. (*See* Conly & Wise.) | | | | | |
| 221, 381 | Wise, Morris, assignor to self and L. Stettauer, New York, N. Y. Preparation of dye-stuffs | Nov. 4, 1879 | 270 | ..... | 16 | 850 |
| 211, 450 | Wise, Peter A., Martville, N. Y. Potato-digger | Jan. 14, 1879 | 441 | 124 | 15 | 57 |
| 216, 122 | Wise, William C., Chelsea, Mass. Mold for forming heel-stiffeners for boots and shoes | June 3, 1879 | 122 | 36 | 15 | 900 |
| 216, 075 | Wiselogel, Frederick G., Indianapolis, Ind. Cellular press | June 3, 1879 | 75 | 22 | 15 | 894 |
| | Wishart, James M. (*See* Craver & Wishart.) | | | | | |
| 211, 950 | Wisner, Albert, and J. A. House, Bridgeport, Conn.; said House assignor to said Wisner. Tool for attaching buttons to shoes | Feb. 4, 1879 | 146 | 43 | 15 | 145 |
| 222, 113 | Wisner, Herman E., Howell, Mich. Combined jointer and cutter | Nov. 25, 1879 | 1144 | 322 | 16 | 996 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 8,805 | Wisner, James E., Friendship, N. Y. Horse hay-rake.....(Reissue).. | July 15, 1879 | 845 | 241 | 16 | 132 |
| | Wisner, John, jr. (*See* Estabrook, Wilhelm, Wisner & Gilliland.) | | | | | |
| 221,204 | Wissler, Aaron, Brunersville, Pa. Jack for horse-powers | Nov. 4, 1879 | 69 | 18 | 16 | 821 |
| 214,978 | Wiswell, Theodore L., Olathe, Kans. Buckle | Apr. 29, 1879 | 1463 | 407 | 15 | 692 |
| 222,114 | Same.... Combined buckle and trace-carrier | Nov. 25, 1879 | 1144 | 323 | 16 | 996 |
| 212,527 | Witherington, Willis F., assignor of one-half interest to J. R. Pate, Trenton, Tenn. Converting motion for churn-powers | Feb. 18, 1879 | 835 | 232 | 15 | 240 |
| | Withington, Charles B. (*See* Baker & Withington).....(Reissue.) | | | | | |
| 215,704 | Withington, Charles B., Janesville, Wis., assignor to C. H. and L. J. McCormick, Chicago, Ill. Grain-binder | May 20, 1879 | 841 | 245, 246 | 15 | 825 |
| 220,047 | Withington, Charles B., Janesville, Wis. Grain-binder | Sept. 30, 1879 | 1148 | 317 | 16 | 597 |
| | Withington & Cooley Manufacturing Company. (*See* Smith, John H., assignor.) | | | | | |
| 214,739 | Witsil, John, Bridgeborough, N. J. Car-coupling | Apr. 22, 1879 | 1189 | 335 | 15 | 649 |
| 215,308 | Witt, William, Bismarck, Colo. Animal-trap | May 13, 1879 | 402 | 119 | 15 | 756 |
| 217,762 | Witte, August, Kansas City, Mo. Door-check | July 22, 1879 | 952 | 273 | 16 | 156 |
| 222,338 | Wittich, Augustus F., assignor of one-half interest to C. O. Tinker and O. B. Clark, Ashtabula, Ohio. Door-check | Dec. 2, 1879 | 248 | 67 | 16 | 1043 |
| 213,539 | Wittig, Wilhelm, and W. Hees, Hanover, Prussia. Gas-engine | Mar. 25, 1879 | 885 | 252, 253 | 15 | 436 |
| 215,257 | Witts, Nelson, Alma City, Minn. Evaporating-pan | May 13, 1879 | 331 | 97 | 15 | 747 |
| | Wittner, Franz J. (*See* Tschanun, Theodor, assignor.) | | | | | |
| 217,718 | Wodiska, Julius, New York, N. Y. Railway-rail chair | July 22, 1879 | 910 | 260 | 16 | 150 |
| 222,560 | Woelfly, Simon J., Jonestown, Pa. Rein-holder | Dec. 9, 1879 | 510 | 144 | 16 | 1087 |
| 211,487 | Woerner, Jacob, Budapest, Austria, assignor to C. Haggenmacher. Machine for sorting and cleaning semolino, &c | Jan. 21, 1879 | 481 | 136 | 15 | 65 |
| 213,601 | Woffenden, George, Newton, Conn., assignor to New York Belting and Packing Company. India-rubber articles | Mar. 25, 1879 | 951 | ..... | 15 | 444 |
| 215,854 | Wohl, Joseph, Paris, France. Baling-press | May 27, 1879 | 1024 | 298 | 15 | 856 |
| 218,102 | Wohlfarth, August, and C. Gartenfeld, Leipsic, Germany. Applying metallic powders to wall and floor coverings | July 29, 1879 | 1341 | ..... | 16 | 213 |
| | Wolbach, Betsy E., *et al.* (*See* Hildenbrand, George F., assignor.) | | | | | |
| 219,054 | Wolbrecht, John M., Saint Louis, Mo. Calendar | Aug. 26, 1879 | 1108 | 311 | 16 | 400 |
| 216,714 | Wolcott, Gideon E., De Kalb, Ill. Riding-plow | June 17, 1879 | 796 | 228 | 15 | 1005 |
| 222,115 | Wolcott, Henry, Morrisania, assignor to J. O. King and S. H. Warner, Brooklyn, N. Y. Spring-clasp for braid and ribbon packages | Nov. 25, 1879 | 1145 | 323 | 16 | 996 |
| 219,841 | Wolcott, John L., Bloomington, Ill. Show-case for coffins | Sept. 23, 1879 | 908 | 250, 251 | 16 | 556 |
| 221,711 | Wolcott, John W., Clyde, Ohio. Work-basket stand | Nov. 18, 1879 | 665 | 186 | 16 | 921 |
| 223,088 | Wolcott, Townsend, New York, N. Y. Gear-cutting machine | Dec. 30, 1879 | 1144 | 323 | 16 | 1208 |
| | Wolf, Abraham N. (*See* Wolf, Augustus and A. N.) | | | | | |
| 214,073 | Wolf, Augustus and A. N., Allentown; said A. N. Wolf assignor to said Augustus Wolf and D. L. Hamaker, East Hempfield Township, Lancaster County, Pa. Machine for separating middlings, &c | Apr. 8, 1879 | 419 | 118 | 15 | 532 |
| 220,459 | Wolf, Frederic, Quincy, Ill. Refrigerator | Oct. 7, 1879 | 273 | 74 | 16 | 673 |
| 220,513 | Wolf, Fredrick W., Chicago, Ill. Malt-kiln floor | Oct. 14, 1879 | 346 | 91 | 16 | 690 |
| 215,309 | Wolf, Henry L. R., Dayton, Ohio. Paper vessel | May 13, 1879 | 403 | 119 | 15 | 756 |
| 222,431 | Wolf, Jacob, Henderson, Minn. Churn | Dec. 9, 1879 | 358 | 101 | 16 | 1067 |
| | Wolf, Jacob D., *et al.* (*See* Woodside, George W., assignor.) | | | | | |
| 222,339 | Wolf, John, Fort Atkinson, Wis. Preserving and drawing fluids | Dec. 2, 1879 | 248 | 68 | 16 | 1043 |
| 212,777 | Wolf, John G., New York, N. Y. Double-acting pump | Feb. 25, 1879 | 1117 | 311 | 15 | 286 |
| 213,487 | Same.... Apparatus for refrigerating and making ice | Mar. 18, 1879 | 813 | 230 | 15 | 418 |
| 220,265 | Wolfe, Marion P., Crawfordsville, Ind. Book-case | Oct. 7, 1879 | 61 | 16 | 16 | 643 |
| 220,896 | Wolferts, Carl O., Hicksville, N. Y., assignor of one-half interest to C. R. Bannihr, West Cheshire, Conn. Seed-package | Oct. 21, 1879 | 793 | 212 | 16 | 757 |
| 219,554 | Wolff, Charles A., Cincinnati, Ohio. Barrel-roller | Sept. 9, 1879 | 560 | 157 | 16 | 492 |
| 220,690 | Wolff, Charles A., Boston, Mass. Dough-mixer | Oct. 14, 1879 | 551 | 145 | 16 | 717 |
| 211,611 | Wolff, Charles J., Newport, Ky. Truss and abdominal support | Jan. 21, 1879 | 624 | 176 | 15 | 83 |
| 211,876 | Wolff, Ludwig, and H. Stein, assignors to L. Wolff Manufacturing Company, Chicago, Ill. Lawn-sprinkler | Feb. 4, 1879 | 63 | 19 | 15 | 134 |
| | Wolff Manufacturing Company, L. (*See* Wolff & Stein, assignors.) | | | | | |
| 221,262 | Wolfinger, Francis R., Chicago, Ill. Wardrobe-bedstead | Nov. 4, 1879 | 133 | 36, 37 | 16 | 831 |
| | Wolgast, Charles, jr. (*See* Hartel & Wolgast.) | | | | | |
| | Wolle, Clarence A. (*See* Leinbach, Wolle & Brunner.) | | | | | |
| 212,081 | Wolters, Charles F., Rochester, N. Y. Bath-tub | Feb. 4, 1879 | 293 | 80 | 15 | 162 |
| 214,226 | Wood, Albert H., New York, N. Y. Sounding-board for pianos | Apr. 8, 1879 | 575 | 162 | 15 | 553 |
| | Wood, Amos L. (*See* Roberts, Thomas E., assignor.) | | | | | |
| 217,664 | Wood, Augustus B., Fountain Hill, Ark. Match-box | July 15, 1879 | 829 | 237 | 16 | 130 |
| 218,103 | Wood, Benjamin F., New Haven, Conn. Curtain-drying frame | July 29, 1879 | 1341 | 384 | 16 | 213 |
| 219,556 | Wood, Benjamin L., assignor of one-half interest to J. M. Wood, Taunton, Mass. Car-seat back | Sept. 9, 1879 | 563 | 157 | 16 | 492 |
| 215,705 | Wood, Charles D., Lincoln, R. I. Leather-burnishing machine | May 20, 1879 | 842 | 246 | 15 | 825 |
| 215,706 | Same.....Seam-covering stay for boots and shoes | May 20, 1879 | 843 | 246 | 15 | 825 |
| | Wood & Co., W. D. (*See* Morgan, Thomas R., sr., assignor.) | | | | | |
| 219,336 | Wood, Corbin O., Worcester, Mass. Machine for forming the chambers of fire-arms | Sept. 2, 1879 | 320 | 90, 91 | 16 | 453 |
| | Wood, Eddie R., *et al.* (*See* Gleason, Alexander, assignor.) | | | | | |
| 212,204 | Wood, Edgar J., Williamsburg, Brooklyn, N. Y. Apparatus for heating glue | Feb. 11, 1879 | 537 | 151 | 15 | 198 |
| | Wood, Edward B. (*See* Congdon & Wood.) | | | | | |
| 218,695 | Wood, Edwin A. and W. E., Utica, N. Y. Steam-boiler | Aug. 19, 1879 | 687 | 195 | 16 | 333 |
| | Wood, Edwin E. (*See* Fox, Charles E., assignor.) | | | | | |
| 221,648 | Wood, Emma J., De Ruyter, N. Y. Corset | Nov. 11, 1879 | 583 | 163 | 16 | 902 |
| | Wood, Frank. (*See* Wood, William A., assignor.) | | | | | |
| 215,195 | Wood, Frank B., New York, N. Y. Hand-stamp | May 6, 1879 | 241 | 71 | 15 | 733 |
| 213,272 | Wood, Frederick A., Jersey City, N. J. Steam-whistle | Mar. 11, 1879 | 586 | 163 | 15 | 380 |
| 222,974 | Wood, George, Trenton, N. J. Corn-grater | Dec. 23, 1879 | 1005 | 288 | 16 | 1179 |
| | Wood, George A. (*See* Anthony, William P., assignor.) | | | | | |
| 218,848 | Wood, George P., Johnston, assignor of one-half interest to E. Rice, Providence, R. I. Clamping-chain | Aug. 26, 1879 | 890 | 249 | 16 | 370 |
| 214,478 | Wood, George W., and C. H. Smith, Faribault, Minn. Apparatus for removing and collecting bugs from vines | Apr. 15, 1879 | 881 | 249 | 15 | 602 |
| 222,340 | Wood, Harvey M., Commerce, Mich. Windmill | Dec. 2, 1879 | 249 | 68 | 16 | 1043 |
| 212,640 | Wood, John, and A. Storm, Middletown, N. Y. Fulling-mill | Feb. 25, 1879 | 974 | 270 | 15 | 266 |
| 218,847 | Wood, John F., Boston, Mass. Journal-box for shafts of stone-crushers | Aug. 26, 1879 | 888 | 249 | 16 | 369 |
| 219,055 | Wood, John M., and W. N. Bellah, Saint Jo, Tex. Iron saddle-tree fork | Aug. 26, 1879 | 1110 | 312 | 16 | 400 |
| 212,293 | Wood, Joseph S., Brooklyn, N. Y. Vapor-burner | Feb. 11, 1879 | 536 | 150 | 15 | 198 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Wood, Julia M. (*See* Wood, Benjamin L., assignor.) | | | | | |
| 214,799 | Wood, Merrett L., Valley Springs, Dak. Stove | Apr. 29, 1879 | 1276 | 357 | 15 | 667 |
| 220,324 | Wood, Oscar V., Fosteria, Ohio. Carpet-stretcher | Oct. 7, 1879 | 129 | 35 | 16 | 652 |
| | Wood, S. Eugene, *et al.* (*See* Vanghan, Henry W., assignor.) | | | | | |
| 217,719 | Wood, Thomas, jr., assignor of one-half interest to C. A. White, Hartford, Conn. Tobacco-hook | July 22, 1879 | 911 | 260 | 16 | 150 |
| 212,528 | Wood, William A., Albany, assignor to F. Wood, Hoosick Falls, N. Y. Harvester | Feb. 18, 1879 | 836 | 232 | 15 | 240 |
| 220,952 | Wood, William A., assignor to F. Wood, Albany, N. Y. Harvester-rake | Oct. 28, 1879 | 880 | 235 | 16 | 777 |
| 220,953 | Same.....Mowing-machine | Oct. 28, 1879 | 881 | 235, 236 | 16 | 777 |
| | Wood, William E. (*See* Wood, Edwin A. and W. E.) | | | | | |
| 211,362 | Wood, William H., assignor of one-half interest to D. G. Weaver, Rochester, N. Y. Boot and shoe | Jan. 14, 1879 | 343 | 100 | 15 | 45 |
| 217,665 | Wood, William P. and W. T., assignors of one-third interest to I. R. Blumenburg, Washington, D. C. Vapor-engine | July 15, 1879 | 830 | 238 | 16 | 130 |
| | Wood, William T. (*See* Wood, William P. and W. T.) | | | | | |
| 220,897 | Woodard, Alvin N., Hadley, Mich. Lifting-jack | Oct. 21, 1879 | 794 | 212 | 16 | 757 |
| 216,010 | Woodbridge, Frank, Springfield, Ohio. Car-hose coupling | May 27, 1879 | 1174 | 341 | 15 | 875 |
| 219,790 | Woodbury, Aaron G., Morris, Ill. End-board for wagons | Sept. 16, 1879 | 837 | 231 | 16 | 537 |
| 213,021 | Woodbury, Hibbert, Babylon, N. Y. Dental chair | Mar. 4, 1879 | 292 | 83 | 15 | 364 |
| 217,186 | Woodbury, Seth H., and W. T. Gray, Lynn, Mass. Spool | July 1, 1879 | 287 | 85 | 16 | 40 |
| 213,273 | Woodcock, John W. and S. J., New Lexington, Ohio. Grinding-mill | Mar. 11, 1879 | 586 | 164 | 15 | 380 |
| | Woodcock, Samuel J. (*See* Woodcock, John W. and S. J.) | | | | | |
| 223,206 | Wooden, Lewis H., Hampstead, Md. Fender for carriages | Dec. 30, 1879 | 1271 | 359 | 16 | 1225 |
| 220,514 | Woodmanse, Harrison, and S. Lebkicker, Freeport, Ill.; said Lebkicker assignor to said Woodmanse. Windmill | Oct. 14, 1879 | 348 | 92 | 16 | 690 |
| 214,270 | Woodruff, Charles D., assignor of one-half interest to D. H. Hansell, Philadelphia, Pa. Core anchor and stud | Apr. 15, 1879 | 647 | 181 | 15 | 572 |
| 221,950 | Woodruff, George S., Grand Rapids, Mich. Gas-governor | Nov. 25, 1879 | 966 | 270 | 16 | 971 |
| 8,541 | Woodruff, Henry S., Janesville, Wis. Buckle (Reissue) | Jan. 14, 1879 | 446 | 126 | 15 | 57 |
| 211,289 | Woodruff, James E., assignor of one-third interest to M. Goddard, Washington, D. C. Combined horseshoe and pad | Jan. 7, 1879 | 233 | 68 | 15 | 30 |
| | Woodruff, Merit N. (*See* Miller, Robert R., assignor.) | | | | | |
| 214,543 | Woodruff, William N., Hartford, Conn. Mechanism for operating the turrets of screw-machines | Apr. 22, 1879 | 983 | 277 | 15 | 622 |
| 222,618 | Same.....Machine for feeding wire | Dec. 16, 1879 | 595 | 169 | 16 | 1109 |
| 216,483 | Woodrum, Jordan and R. H., Peage's Mill, Va. Separating potash from ashes | June 10, 1879 | 539 | ..... | 15 | 961 |
| | Woodrum, Robert H. (*See* Woodrum, Jordan and R. H.) | | | | | |
| 215,707 | Woods, Frank M., assignor of one-half interest to W. P. Jones, G. N. Parker, and J. Olwin, York, Ill. Gaveling-tongs | May 20, 1879 | 844 | 246, 247 | 15 | 825 |
| 214,860 | Woods, Franklin, Allegheny, Pa. Fencing-strip | Apr. 29, 1879 | 1347 | 375 | 15 | 676 |
| 222,432 | Woods, Horace E., Rock Island, Ill. Grate for furnaces | Dec. 9, 1879 | 358 | 102 | 16 | 1067 |
| 211,823 | Woods, Newell E., Elgin, Ill. Jacketed can | Jan. 28, 1879 | 883 | 249 | 15 | 120 |
| 217,036 | Woods, Samuel E., and A. H. Whewell, Leeds, York County, England. Agricultural implement | July 1, 1879 | 122 | 35, 36 | 16 | 18 |
| | Woods, Sherwood & Co. (*See* Dudley, George D., assignor.) | | | | | |
| | Same.....(*See* Sherwood, Daniel, assignor.) | | | | | |
| | Same.....(*See* Sherwood & Dudley, assignors.) | | | | | |
| 8,939 | Woodside, George W., Philadelphia, Pa., assignor, by mesne assignments, to P. H. White, E. P. De Normandie, and G. M. Wright. Chromatic-printing machine. (Reissue) | Oct. 21, 1879 | 809 | 216, 217 | 16 | 759 |
| 213,725 | Woodside, George W., assignor of one-half interest to S. E. Gumpert and J. D. Wolf, Philadelphia, Pa. Color-printing machine | Mar. 25, 1879 | 1083 | 307, 308 | 15 | 462 |
| 222,170 | Woodson, Auston A., J. J. Patton, A. J. Early, and W. F. Woodson, Sinks Grove, W. Va. Churn-dasher | Dec. 2, 1879 | 60 | 15 | 16 | 1017 |
| | Woodson, William F. (*See* Woodson, Patton, Early & Woodson.) | | | | | |
| | Woodward, Abner. (*See* Bovey, George C., assignor.) | | | | | |
| 222,116 | Woodward, Amos W., Rockford, Ill. Pump | Nov. 25, 1879 | 1145 | 323, 324 | 16 | 996 |
| | Woodward, Erastus. (*See* Brock, Woodward & Copeland.) | | | | | |
| | Same.....(*See* Copeland & Woodward.) | | | | | |
| | Same.....(*See* Copeland, Woodward & Brock.) | | | | | |
| 211,612 | Woodward, Erastus, and M. Brock, Boston, Mass. Die for serrating the edges of uppers | Jan. 21, 1879 | 625 | 176 | 15 | 83 |
| 213,857 | Woodward, Erastus, and M. Brock, Boston, Mass., assignors to Copeland Lasting Machine Company, Hartford, Conn. Device for applying power from a rotating shaft to a lasting-machine | Apr. 1, 1879 | 137 | 40, 41 | 15 | 490 |
| 216,926 | Same.....Gang pegging-machine | June 24, 1879 | 1056 | 299, 300 | 15 | 1046 |
| 218,354 | Same.....Pegging-machine | Aug. 5, 1879 | 272 | 74, 75 | 16 | 256 |
| 222,766 | Woodward, Frank, San Francisco, Cal. Valve or faucet | Dec. 16, 1879 | 753 | 217 | 16 | 1132 |
| 8,617 | Woodward, Henry F., New York, N. Y. Overalls (Reissue) | Mar. 11, 1879 | 594 | 166 | 15 | 381 |
| 213,488 | Woodward, James E., Boston, Mass. Bottle-stopper | Mar. 18, 1879 | 815 | 230 | 15 | 419 |
| 221,649 | Woodward, Joseph, Leamington, Warwick County, England. Treating furnace-slag to convert the same into tiles, slabs, and blocks | Nov. 11, 1879 | 584 | ..... | 16 | 902 |
| 212,295 | Woodward, Lewis E., Waco, Tex. Plow | Feb. 11, 1879 | 538 | 151 | 15 | 198 |
| 221,136 | Same.....same | Oct. 28, 1879 | 1081 | 285 | 16 | 803 |
| 211,363 | Woodward, Orator F., Le Roy, N. Y. Nest-egg | Jan. 14, 1879 | 344 | 100 | 15 | 45 |
| 219,557 | Woodward, Orator F., assignor of one-half interest to F. C. Lathrop, Le Roy, N. Y. Making target-balls | Sept. 9, 1879 | 564 | 158 | 16 | 493 |
| | Woodworth, Albert C. (*See* Rice, Israel L. G., assignor.) | | | | | |
| | Woodworth, Charles A., *et al.* (*See* Bramble, Cyrus, assignor.) | | | | | |
| 211,613 | Woodworth, Henry C., Otisville, Mich. Clothes-rack and ironing-board | Jan. 21, 1879 | 626 | 176 | 15 | 83 |
| 214,861 | Wooldridge, Oscar, Memphis, Tenn. Shutter-fastening | Apr. 29, 1879 | 1348 | 375 | 15 | 677 |
| 214,225 | Woolfolk, Lucien B., Lexington, Ky. Refrigerator | Apr. 8, 1879 | 573 | 162 | 15 | 552 |
| 221,989 | Woolford, Joseph, Plymouth, Cal. Ratchet-wrench | Nov. 25, 1879 | 1007 | 282 | 16 | 976 |
| 219,422 | Woolley, Leonidas G., Mendon, Mich. Electro-magnetic motor | Sept. 9, 1879 | 431 | 119, 120 | 16 | 474 |
| 222,341 | Same.....Weighing-scales | Dec. 2, 1879 | 250 | 68 | 16 | 1043 |
| 218,104 | Woolsey, John B., assignor of one-half interest to J. M. Brown, Bloomfield, Iowa. Hame-tug | July 29, 1879 | 1342 | 384 | 16 | 213 |
| 220,323 | Woolson, David B., New Haven, Conn. Surface-gage | Oct. 7, 1879 | 128 | 35 | 16 | 652 |
| 212,827 | Woolson, Orosco C., Newark, N. J. Flexible-railway system | Mar. 4, 1879 | 53 | 17 | 15 | 304 |
| 219,555 | Same.....Hydraulic-power machine | Sept. 2, 1879 | 561 | 157 | 16 | 492 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| 212, 778 | Woolverton, Thomas H., assignor of one-half interest to W. H. Clarkson, New York, N. Y. Convertible chair | Feb. 25, 1879 | 1118 | 311 | 15 | 286 |
| | Woonsocket Rubber Company. (*See* Flynn, Francis, assignor.) | | | | | |
| | Worcester Corset Company. (*See* Laflin, Perley, assignor.) | | | | | |
| | Worden, Alva. (*See* Curtis & Worden) (Reissue.) | | | | | |
| | Worden, Alva, *et al.* (*See* Lowth, James, assignor.) | | | | | |
| | Worden, John S. (*See* Curtis & Worden, assignors) (Reissue.) | | | | | |
| | Worden, John S., *et al.* (*See* Lowth, James, assignor.) | | | | | |
| 219, 558 | Worick, Jeremiah, Racine, Wis. Governor for horse-powers | Sept. 9, 1879 | 564 | 158 | 16 | 493 |
| 213, 274 | Work, Alanson, Providence, R. I. Hose-coupling | Mar. 11, 1879 | 587 | 164 | 15 | 380 |
| 223, 021 | Workman, William, West De Pere, Wis. Grain-separator | Dec. 30, 1879 | 1063 | 304 | 16 | 1197 |
| 212, 641 | Worley, John A., Cleveland, Ohio. Clothes-line holder | Feb. 25, 1879 | 975 | 270 | 15 | 267 |
| | Worman, Henry T. (*See* Mertz & Worman.) | | | | | |
| 216, 814 | Wormelle, Benjamin, Brighton, Mass. Watch-winding device | June 24, 1879 | 929 | 265 | 15 | 1031 |
| 212, 529 | Worrall, John, Viola, Iowa. Car-coupling | Feb. 18, 1879 | 838 | 233 | 15 | 240 |
| | Worrell, Stanley E. (*See* Roberts & Worrell.) | | | | | |
| 211, 826 | Worsley, Samuel L., Taunton, Mass., assignor to Plumb, Burdick & Barnard. Machine for nutting bolts | Jan. 28, 1879 | 886 | 250 | 15 | 121 |
| 213, 082 | Worswick, William W., Cleveland, Ohio. Car-axle box | Mar. 11, 1879 | 374 | 105 | 15 | 353 |
| 219, 664 | Same.....Car-truck | Sept. 16, 1879 | 704 | 195 | 16 | 518 |
| | Worthington, James T., *et al.* (*See* Nye, Charles H., assignor.) | | | | | |
| 214, 227 | Worthington, Samuel M., and T. T. Templin, Fern Leaf, Ky. Seed-planter | Apr. 8, 1879 | 576 | 162, 163 | 15 | 553 |
| 211, 825 | Worthington, Thomas P., Blackpool, Great Britain. Apparatus for describing circles. | Jan. 28, 1879 | 886 | 249 | 15 | 121 |
| 214, 741 | Worthley, Frank O., Boston, Mass. Bracket | Apr. 22, 1879 | 1191 | 335 | 15 | 649 |
| | Wren, Christopher. (*See* Wren, John Y., C., and G. R. G.) | | | | | |
| | Wren, George R. G. (*See* Wren, John Y., C., and G. R. G.) | | | | | |
| 214, 228 | Wren, John Y., C., and G. R. G. Plymouth, Pa. Pump | Apr. 8, 1879 | 577 | 163 | 15 | 553 |
| 222, 807 | Wright, Allen J., Delaware, Ohio. Sleigh | Dec. 23, 1879 | 813 | 233 | 16 | 1151 |
| | Wright, Augustus R. (*See* Moore, Edward, assignor.) | | | | | |
| 216, 590 | Wright, Benjamin F., Cincinnati, Ohio. Ball-trap | June 17, 1879 | 668 | 190 | 15 | 987 |
| 221, 137 | Wright, Charles T., Washington, D. C. Combined liquid measure and funnel | Oct. 28, 1879 | 1082 | 286 | 16 | 803 |
| 213, 799 | Wright, David, Auburn, N. Y. Fence | Apr. 1, 1879 | 75 | 24 | 15 | 482 |
| | Wright, David P., *et al.* (*See* Pedlar, Charles B., assignor.) | | | | | |
| 222, 767 | Wright, Edgar A., Davenport, Iowa. Wheel-cultivator | Dec. 16, 1879 | 754 | 217 | 16 | 1132 |
| | Wright, Edmund, *et al.* (*See* Wright, Joseph, assignor.) | | | | | |
| 221, 650 | Wright, Edward, Worcester, Mass. Sewing-machine for embroidering | Nov. 11, 1879 | 584 | 163 | 16 | 902 |
| 221, 651 | Same.....Animal-tether | Nov. 11, 1879 | 585 | 163 | 16 | 903 |
| | Wright, Edward W. (*See* Sawyer & Wright.) | | | | | |
| 211, 539 | Wright, Fountain C., Selma, Ala. Axle-lubricator for vehicles | Jan. 21, 1879 | 540 | 153 | 15 | 72 |
| | Wright, Frank H., *et al.* (*See* Reichencker, William C., assignor.) | | | | | |
| 222, 342 | Wright, Frank M., Palmyra, N. Y. Bosom-board | Dec. 2, 1879 | 251 | 69 | 16 | 1044 |
| 214, 340 | Wright, George, Pike, N. Y. Ironing-machine | Apr. 15, 1879 | 738 | 206 | 15 | 583 |
| | Wright, George M., *et al.* (*See* Woodside, George W., assignor) (Reissue.) | | | | | |
| 213, 726 | Wright, Granville G., assignor to self and J. T. Renouff, Winchester, Conn. Rotary engine | Mar. 25, 1879 | 1085 | 308 | 15 | 462 |
| | Wright, Harrison, *et al.* (*See* Stevens, Charles V., assignor.) | | | | | |
| 218, 416 | Wright, Homer, Pittsburg, Pa. Hinged top for molasses-pitchers | Aug. 12, 1879 | 355 | 98 | 16 | 279 |
| 213, 125 | Wright, Isaac H., Baltimore, Md. Rowlock | Mar. 11, 1879 | 428 | 118 | 15 | 360 |
| 212, 581 | Wright, Jacob D., Worcester, Mass. Sewing-machine | Feb. 25, 1879 | 912 | 252 | 15 | 259 |
| 211, 451 | Wright, Jesse, Fairmount, Ind. Churn | Jan. 14, 1879 | 441 | 125 | 15 | 57 |
| 213, 022 | Wright, Joseph, assignor to self and E. Wright, Philadelphia, Pa., and J. H. Filson, New York, N. Y. Ribbon-retainer for umbrella-handles | Mar. 4, 1879 | 294 | 83 | 15 | 334 |
| 217, 501 | Wright, Joseph F., Monticello, Ark. Car-coupling | July 15, 1879 | 650 | 185 | 16 | 106 |
| 219, 134 | Wright, Morgan, Sullivan, Ill. Bee-hive | Sept. 2, 1879 | 88 | 27 | 16 | 424 |
| | Wright, Richard R. (*See* Reznor, George, assignor.) | | | | | |
| 217, 037 | Wright, William A., Centreton, N. J., assignor to I. R. Kulp, Hatfield, Pa. Baling-press | July 1, 1879 | 123 | 36 | 16 | 18 |
| | Wright, William H., jr., *et al.* (*See* Disston, Charles, assignor.) | | | | | |
| 215, 033 | Wright, William H., Rochester, and G. L. Thorne, Buffalo, N. Y. Target and target-stand | May 6, 1879 | 55 | 17 | 15 | 709 |
| 213, 083 | Same.....Bow and arrow | Mar. 11, 1879 | 376 | 106 | 15 | 353 |
| 221, 523 | Wrightington, Charles D., deceased (C. W. Clifford, administrator), New Bedford, Mass. Machine for manufacturing needles | Nov. 11, 1879 | 454 | 123, 124 | 16 | 883 |
| | Wrightson, Thomas, *et al.* (*See* Crossley, Francis W. and W. J., assignors.) | | | | | |
| | Wrigley, Samuel, *et al.* (*See* Beesley, Edward, assignor.) | | | | | |
| 212, 779 | Wrigley, Thomas, Paterson, N. J. Spinning-machinery | Feb. 25, 1879 | 1119 | 311 | 15 | 286 |
| | Wronkow, Herman. (*See* Nye, Charles H., assignor.) | | | | | |
| 216, 927 | Wuensch, August, assignor to J. Reckendorfer, New York, N. Y. Box | June 24, 1879 | 1059 | 300 | 15 | 1047 |
| 214, 742 | Wuerz, Hermann, Elberfeld, Prussia. Pattern for producing designs by the sand-blast process | Apr. 22, 1879 | 1192 | ..... | 15 | 649 |
| | Wundram, George W. (*See* Clausen, Wundram & Clausen.) | | | | | |
| 217, 666 | Würtzbach, Friedrich, Curtisville, Mass. Apparatus for forming and cutting sheets of paper-pulp | July 15, 1879 | 832 | 238 | 16 | 130 |
| | Wuterich, Christian. (*See* Sheffield, George V., assignor.) | | | | | |
| | Wuth, William A. O. (*See* Beck & Feurhake, assignors.) | | | | | |
| | Same.....(*See* Beck, Feurhake & Wuth.) | | | | | |
| 221, 138 | Wuth, William A. O., assignor to self, W. Beck, and H. Feurhake, Pittsburg, Pa. Cleaning glass-molds | Oct. 28, 1879 | 1082 | ..... | 16 | 803 |
| 221, 139 | Same.....same | Oct. 28, 1879 | 1083 | ..... | 16 | 803 |
| 223, 207 | Wyatt, Franklin O., and E. Smedley, Dubuque, Iowa. Car-truck | Dec. 30, 1879 | 1272 | 360 | 16 | 1226 |
| 214, 544 | Wyckoff, Garret, Flemington, N. J. Baling-press | Apr. 22, 1879 | 984 | 277 | 15 | 622 |
| | Wylde, Samuel. (*See* Stevenson & Wylde.) | | | | | |
| 220, 325 | Wylie, Richard, Napa, Cal. Spring-gun | Oct. 7, 1879 | 129 | 35 | 16 | 652 |
| 221, 761 | Wylie, William N., Black River Falls, Wis. Clothes-pounder | Nov. 18, 1879 | 720 | 201 | 16 | 929 |
| | Wyman, Horace. (*See* Crompton & Wyman.) | | | | | |
| 213, 023 | Wynkoop, Nile F., Chemung, N. Y. Car-coupling | Mar. 4, 1879 | 295 | 83 | 15 | 334 |
| 222, 220 | Same.....Nut-lock | Dec. 2, 1879 | 119 | 30 | 16 | 1025 |
| 217, 254 | Yager, Charles E., Stockport, N. Y. Tether | July 8, 1879 | 373 | 110 | 16 | 60 |
| 213, 024 | Yager, John H., Jacksonborough, Ohio. Harrow | Mar. 4, 1879 | 295 | 83 | 15 | 334 |
| | Yagle, William, *et al.* (*See* Reed, John C., assignor) (Reissue.) | | | | | |
| 8, 783 | Yale, Linus, jr., deceased, S. N. Brooks, administrator and assignor to Yale Lock Manufacturing Company, Stamford, Conn. Post-office box (Reissue) | July 1, 1879 | 299 | 88 | 16 | 41 |
| | Yale Lock Manufacturing Company. (*See* Little, Samuel A., assignor) (Reissue.) | | | | | |
| | Same.....(*See* Stockwell, Emory, assignor.) | | | | | |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|
| | Yale Lock Manufacturing Company. (*See* Taylor, Warren H., assignor.) | | | | | |
| | Same.....(*See* Weston, Thomas A., assignor.) | | | | | |
| | Same.....(*See* Yale, Linus, jr., assignor).....(Reissue.) | | | | | |
| 212,165 | Yarborough, George C., Baldwin County, Ala. Rotary engine | Feb. 11, 1879 | 396 | 108 | 15 | 179 |
| 220,203 | Yaryan, Homer T., Richmond, Ind. Apparatus for extracting oils | Sept. 30, 1879 | 1330 | 367 | 16 | 623 |
| 217,187 | Yates, Henry G., San Francisco, Cal. Horseshoe | July 1, 1879 | 288 | 85 | 16 | 40 |
| | Yates, Joseph. (*See* Taylor, Samuel, assignor.) | | | | | |
| 212,083 | Yates, Thomas P., Factoryville, N. Y. Sash-fastener | Feb. 4, 1879 | 294 | 80 | 15 | 162 |
| 219,337 | Yeager, George, Flatonia, Tex. Spray-nozzle | Sept. 2, 1879 | 322 | 91 | 16 | 453 |
| 218,612 | Yeagle, Jacob B., Indianapolis, Ind. Sash-holder | Aug. 12, 1879 | 580 | 163 | 16 | 310 |
| 211,452 | Yeatts, William A., Little River, Va. Hay and straw cutter | Jan. 14, 1879 | 442 | 125 | 15 | 57 |
| 216,493 | Same.....Automatic brake for wagons | June 10, 1879 | 548 | 157 | 15 | 962 |
| 214,979 | Yellott, George, Towsontown, Md. Hydraulic ram | Apr. 29, 1879 | 1463 | 407 | 15 | 693 |
| 213,025 | Yenne, Joseph, Shoals, Ind. Brake-lever for vehicles | Mar. 4, 1879 | 296 | 84 | 15 | 335 |
| 313,310 | Yeo, Jonas W., Richmond, Ind. Device for the lateral adjustment of shafts | Mar. 18, 1879 | 644 | 181 | 15 | 396 |
| 217,188 | Yeoman, David S., Brooklyn, N. Y. Machine for splitting or slicing corks | July 1, 1879 | 289 | 85 | 16 | 40 |
| 221,140 | Yerby, Abner N., Baltimore, Md. Elevator and hatch | Oct. 28, 1879 | 1084 | 286 | 16 | 803 |
| 219,423 | Yergason, Christopher J., Brooklyn, N. Y. Apparatus for mixing and cooling lard | Sept. 9, 1879 | 432 | 120 | 16 | 474 |
| 214,341 | Yerkes, Charles T., jr., Philadelphia, Pa. Fare-box | Apr. 15, 1879 | 738 | 206, 207 | 15 | 584 |
| | Yerkes, Jonathan. (*See* Kenderdine, William J., assignor.) | | | | | |
| | Yoe, William P. (*See* Wassmer & Yoe.) | | | | | |
| | York, Anson E. (*See* Holbrook & York.) | | | | | |
| 218,653 | York, George H., Cambridge, Mass. Machine for cutting paper | Aug. 19, 1879 | 642 | 181 | 16 | 326 |
| 221,653 | York, George P., and W. H. Wilson, Westfield, N. Y.; said Wilson assignor to said York. Radiator | Nov. 11, 1879 | 587 | 164 | 16 | 903 |
| 220,460 | York, Tobias C., Wayne County, Iowa. Water-proof threshold | Oct. 7, 1879 | 274 | 74 | 16 | 673 |
| 211,827 | Young, Albert A., Boston, Mass. Folding or camp chair | Jan. 28, 1879 | 891 | 251 | 15 | 121 |
| 215,498 | Young, Benjamin F., and C. S. Boots, Marion, Ind. Steam-generator for cooking purposes | May 20, 1879 | 617 | 180, 181 | 15 | 794 |
| 8,705 | Young, Calvin, Auburn, N. Y. Machine for making carriage-axles.....(Reissue) | May 6, 1879 | 265 | 77 | 15 | 736 |
| 222,619 | Young, Charles H., Laconia, assignor to W. Aiken, Franklin, N. H. Straight-knitting machine | Dec. 16, 1879 | 597 | 170 | 16 | 1109 |
| | Young, Charles J., *et al.* (*See* Ogden, James H., assignor.) | | | | | |
| | Young, Charles K. (*See* Blaisdell & Young).....(Reissue.) | | | | | |
| 216,484 | Young, Edward R., and G. A. Goeller, assignors to Pott, Young & Co., New York, N. Y. Holder for books, &c | June 10, 1879 | 540 | 155 | 15 | 961 |
| 219,791 | Young, Francis H., assignor to self and C. Conkling, Stanhope, N. J. Station-indicator for railways | Sept. 16, 1879 | 838 | 231 | 16 | 537 |
| 212,082 | Young, George M., El Paso, Ill. Baggage-fastener and shawl-carrier | Feb. 4, 1879 | 294 | 80 | 15 | 162 |
| 216,011 | Young, Gottlieb, Columbia, Pa. Mash-tub | May 27, 1879 | 1175 | 341 | 15 | 875 |
| 219,611 | Young, Harlan P., assignor of one-half interest to A. Wheeler, Lowell, Mass. Plaiting-machine | Sept. 16, 1879 | 635 | 176 | 16 | 510 |
| | Young, Horace A. (*See* Morgan & Young.) | | | | | |
| 216,251 | Young, Jesse R., Hastings, Nebr. Harness-saddle | June 3, 1879 | 254 | 76 | 15 | 917 |
| 219,792 | Young, John, Tiffin, Ohio. Fly-brush and fan | Sept. 16, 1879 | 839 | 231 | 16 | 538 |
| | Young, John S. (*See* Mercer, William J., assignor.) | | | | | |
| 218,355 | Young, John S., Philadelphia, Pa. Paper-feeding device | Aug. 5, 1879 | 276 | 75 | 16 | 257 |
| 219,338 | Young, Lemuel W., Elk City, Pa. Tubing-tongs | Sept. 2, 1879 | 322 | 91 | 16 | 453 |
| | Young, Leonard. (*See* Pitcher & Young.) | | | | | |
| 212,780 | Young, Nestor A., Healdsburg, Cal. Permutation-padlock | Feb. 25, 1879 | 1120 | 311 | 15 | 286 |
| 212,342 | Young, Thomas P., assignor to self and E. Heffernan, Lynn, Mass. Sole-edge-burnishing machine | Feb. 18, 1879 | 608 | 170 | 15 | 209 |
| 213,489 | Young, Willey T., and W. D. Moody, Walnut Grove, Ala. Cotton-chopper | Mar. 18, 1879 | 816 | 230 | 15 | 419 |
| 222,433 | Young, William, and A. Neilson, Clippens, Renfrew County, North Britain. Apparatus for refrigerating liquids | Dec. 9, 1879 | 359 | 102 | 16 | 1067 |
| | Young, William A. (*See* Noyes, Ernest W., assignor.) | | | | | |
| 222,620 | Young, William D., assignor to Shoenberger & Co., Pittsburg, Pa. Machine for forming toe-calks | Dec. 16, 1879 | 599 | 170, 171 | 16 | 1110 |
| | Younger, William. (*See* Keim, Simon J., assignor.) | | | | | |
| | Same.....same.....(Reissue.) | | | | | |
| 221,652 | Yount, Andrew, Kokomo, assignor to W. R. Breckenridge, Bunker Hill, Ind. Odometer | Nov. 11, 1879 | 586 | 164 | 16 | 903 |
| 214,862 | Youse, Samuel A., Sutter Creek, Cal. Piston-packing | Apr. 29, 1879 | 1348 | 375 | 15 | 677 |
| 213,727 | Yule, George, Newark, N. J., and W. W. Stone, Bethel, Conn.; said Stone assignor to said Yule. Hat-stiffening machine | Mar. 25, 1879 | 1087 | 308 | 15 | 462 |
| 219,559 | Yule, George, Newark, N. J. Hat-pressing machine | Sept. 9, 1879 | 565 | 158 | 16 | 493 |
| 219,560 | Same.....Hat-pouncing machine | Sept. 9, 1879 | 566 | 158 | 16 | 493 |
| 219,561 | Same.....Hat-flanging machine | Sept. 9, 1879 | 567 | 159 | 16 | 493 |
| 219,562 | Same.....Fulling-stock | Sept. 9, 1879 | 569 | 159, 160 | 16 | 494 |
| | Yule, John. (*See* Harlin & Yule.) | | | | | |
| | Zabriskie, Nicholas L., *et al.* (*See* Dean, Cyrus S., assignor.) | | | | | |
| | Zacharias, G. H., *et al.* (*See* Silvester, William, assignor.) | | | | | |
| 217,189 | Zachmeier, Anthony, Shawneetown, Ill. Saw-guide for saw-mills | July 1, 1879 | 290 | 86 | 16 | 40 |
| 216,928 | Zahn, Frederick H., Springfield, Ill. Coat and vest hanger | June 24, 1879 | 1060 | 300 | 15 | 1047 |
| 219,424 | Zalinski, Edmund L., United States Army. Wiping-rod bayonet | Sept. 9, 1879 | 434 | 120 | 16 | 474 |
| 220,012 | Same.....Cutting and intrenching tool | Sept. 23, 1879 | 1095 | 303 | 16 | 582 |
| 221,382 | Zanetti, Fortonato C., Bryan, Tex. Vise | Nov. 4, 1879 | 270 | 73 | 16 | 850 |
| 221,383 | Same.....Toilet-cabinet | Nov. 4, 1879 | 271 | 73 | 16 | 850 |
| | Zangerle & Co., Joseph. (*See* Wichert, Heinrich, assignor.) | | | | | |
| 220,326 | Zartman, William, Petaluma, Cal. Self-fastening toe-weight for horses | Oct. 7, 1879 | 131 | 36 | 16 | 652 |
| 218,356 | Zastrow, George W., assignor of one-half interest to J. C. Froehlich and H. H. Keys, Baltimore, Md. Surface-condenser for steam-engines | Aug. 5, 1879 | 277 | 76 | 16 | 257 |
| 212,166 | Zeh, Charles C., Trenton, N. J., assignor to L. Clephane, Washington, D. C. Brick-machine | Feb. 11, 1879 | 396 | 108 | 15 | 179 |
| 211,540 | Zemansky, Solomon, Brooklyn, N. Y. Show-box | Jan. 21, 1879 | 540 | 153 | 15 | 72 |
| 219,057 | Zesch, Emil, Stapleton, N. Y. Relief attachment for beer-fermenting casks | Aug. 26, 1879 | 1112 | 312 | 16 | 400 |
| | Zieger, F. A. (*See* Johnson, Joseph, assignor.) | | | | | |
| | Ziegler, Edward. (*See* Lyons & Ziegler.) | | | | | |
| 214,863 | Zihlmann, Joseph, Bellaire, Ohio. Making tumblers and other glass articles | Apr. 29, 1879 | 1349 | 375 | 15 | 677 |
| 222,343 | Zimdars, Conrad E., London, England. Pneumatic annunciator | Dec. 2, 1879 | 252 | 69 | 16 | 1044 |
| 214,342 | Zimmerer, Anton, Nebraska City, Nebr. Well-bucket | Apr. 15, 1879 | 740 | 207 | 15 | 584 |
| 219,890 | Zimmerman, John P., Perry, Kans. End-gate for wagons | Sept. 23, 1879 | 956 | 264 | 16 | 562 |

*Alphabetical list of patentees for the year* 1879—Continued.

| No. | Name, residence, and invention. | Date. | Monthly volume. | | Official Gazette. | |
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| | | | Spec. | Dr'g. | Vol. | Page |
| 8,716 | Zimmerman, Paul, Pittsburg, Pa. Machine for flaring and crimping lamp-chimneys. (Reissue) | May 13, 1879 | 526 | 155 | 15 | 774 |
| 217,439 | Zimmermann, Nicholas, Chicago, Ill. Portable fire-tower | July 8, 1879 | 567 | 163 | 16 | 84 |
| 215,499 | Zink, Harry S., assignor of one-half interest to E. F. Hough, Martinez, Cal. Car-truck | May 20, 1879 | 617 | 181 | 15 | 794 |
| 212,828 | Zink, Nathaniel, Union Star, Mo. Bee-hive | Mar. 4, 1879 | 55 | 17 | 15 | 305 |
| 213,105 | Zinn, Josiah J., Union City, Pa., assignor to self and G. D. Gardner, Warren, Ohio. Flour-bolt | July 29, 1879 | 1343 | 385 | 16 | 213 |
| | Zinn & Messer. (*See* Messer & Jenks, assignors.) | | | | | |
| 218,613 | Zinn, William H., and M. D. Porter, Boston, Mass. Watch-winding device | Aug. 12, 1879 | 581 | 163 | 16 | 310 |
| 216,123 | Zuenkeler, Ferdinand, Cincinnati, Ohio. Shoe-brush | June 3, 1879 | 123 | 36 | 15 | 900 |
| 221,205 | Zugg, Florian, Peoria, Ill. Vapor-stove | Nov. 4, 1879 | 70 | 19 | 16 | 821 |
| 214,271 | Zündorff, Anna, New York, N. Y. Combined table, sink, &c | Apr. 15, 1879 | 648 | 182 | 15 | 572 |
| 216,076 | Zweidinger, John C., Pittsburg, Pa. Vehicle-brake | June 3, 1879 | 77 | 22 | 15 | 894 |
| 217,567 | Zwietusch, Otto, Milwaukee, Wis. Cork-holder | July 15, 1879 | 723 | 206 | 16 | 116 |
| 222,975 | Zwietusch, Otto, and E. Heitmann, Milwaukee, Wis.; said Heitmann assignor to said Zwietusch. Automatic pressure-relief apparatus for beer-vessels | Dec. 23, 1879 | 1005 | 288<br>289 | 16 | 1179 |

## ALPHABETICAL LIST OF PATENTEES OF DESIGNS.

| No. | Name, residence, and design. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| 11,166 | Adgate, Joseph J., New York, N. Y. Caster | Apr. 22, 1879 | 15 | 606 |
| 10,984 | Aikin, James C., New York, N. Y. Pencil-case | Jan. 21, 1879 | 15 | 60 |
| 11,457 | Same.....Case for watch-charms | Oct. 7, 1879 | 16 | 633 |
| 11,334 | Altemus, Joseph B., assignor to self and L. Coffin, Philadelphia, Pa., and E. A. Treat, T. B. Martin, and E. H. Converse, New York, N. Y. Printed fabric | Aug. 19, 1879 | 16 | 320 |
| | American Bank Note Company. (*See* Macdonough, James, assignor.) | | | |
| 11,429 | Arkell, James, Canajoharie, N. Y. Globes | Sept. 23, 1879 | 16 | 548 |
| 11,323 | Atwood, William K., Providence, R. I. Watch-chain and charm | Aug. 5, 1879 | 16 | 222 |
| 11,153 | Back, Albert, New York, N. Y. Neck-ruching | Apr. 15, 1879 | 15 | 558 |
| 11,360 | Bagnall, John, Victoria, British Columbia. Black or sharp key for key-board musical instruments | Aug. 26, 1879 | 16 | 361 |
| 11,470 | Bailey, George G., jr., and J. Gilbert, Boston, Mass. Font of printing-type | Oct. 21, 1879 | 16 | 726 |
| 11,138 | Bainbridge, Henry C., Brooklyn, N. Y. Envelope | Apr. 8, 1879 | 15 | 508 |
| 11,194 | Same.....Writing-paper and cards | May 13, 1879 | 15 | 738 |
| 11,442 | Baldwin, John D., assignor to J. and J. Dobson, Philadelphia, Pa. Carpet | Sept. 30, 1879 | 16 | 590 |
| 11,078 | Ball, Thomas W., Jersey City, N. J. Umbrella-handle | Mar. 18, 1879 | 15 | 390 |
| 11,232 | Banning, Walter E., Syracuse, N. Y. Seal-press | June 10, 1879 | 15 | 926 |
| 11,205 | Barkentin, George S., Hartford, assignor to P. and F. Corbin, New Britain, Conn. Door-knob | May 27, 1879 | 15 | 834 |
| 11,218 | Barkentin, George S., assignor to P. and F. Corbin, Hartford, Conn. Combined rose and escutcheon | May 27, 1879 | 15 | 834 |
| 11,245 | Barkentin, George S., Hartford, assignor to P. and F. Corbin, New Britain, Conn. Bird-cage hook | June 17, 1879 | 15 | 972 |
| 11,266 | Same.....Lock-case | June 24, 1879 | 15 | 1016 |
| 11,267 | Same.....Hinge | June 24, 1879 | 15 | 1016 |
| 11,297 | Same.....Lock-face plate | July 15, 1879 | 16 | 98 |
| 11,299 | Same.....Door handle and plate | July 22, 1879 | 16 | 142 |
| 11,361 | Barlow, James, assignor to Mercer Pottery Company, Trenton, N. J. Handles for covered dishes | Aug. 26, 1879 | 11 | 361 |
| | Barnhart, Alson E., *et al.* (*See* Heyer, Charles E., assignor.) | | | |
| | Barnhart, Arthur M., *et al.* (*See* Heyer, Charles E., assignor.) | | | |
| | Same.....(*See* Heyer, Charles E., assignor.) | | | |
| 11,311 | Barrett, Joseph, New York, N. Y., assignor to L. D. Farr, Philadelphia, Pa. Oil-cloth | Aug. 5, 1879 | 16 | 222 |
| 11,515 | Barstow, Amos C., Providence, R. I. Stove | Nov. 18, 1879 | 16 | 911 |
| 11,023 | Bartholdi, Auguste, Paris, France. Statue | Feb. 18, 1879 | 15 | 201 |
| 11,331 | Beach, Joseph B., West Meriden, assignor to Derby Silver Company, Huntington, Conn. Caster-bottle | Aug. 12, 1879 | 16 | 270 |
| 11,295 | Beam, Daniel A., Newark, N. J. Ornamental chain | July 15, 1879 | 16 | 98 |
| 11,528 | Bean, Charles E., Fall River, Mass. Knitted fabric | Dec. 2, 1879 | 16 | 1007 |
| 11,552 | Same.....Knit fabric | Dec. 30, 1879 | 16 | 1189 |
| 11,212 | Beattie, William C., assignor to Reed & Barton, Taunton, Mass. Handles of spoons and forks | May 27, 1879 | 15 | 834 |
| | Beatty, William A. (*See* Remlinger, John L., assignor.) | | | |
| 11,471 | Beatty, William A., Pawtucket, R. I. Scarf-pin | Oct. 21, 1879 | 16 | 726 |
| 11,095 | Beaumont, Albert, New York, N. Y., assignor to Hartford Carpet Company, Hartford, Conn. Carpet | Mar. 25, 1879 | 15 | 427 |
| 11,096 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,113 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,041 | Beebe, Charles H., Norwich, Conn. Padlock | Feb. 25, 1879 | 15 | 249 |
| 11,244 | Bell, Lucius P., Schenectady, N. Y. Standards for weighing-scales | June 10, 1379 | 15 | 926 |
| 11,256 | Bellamy, Charles L., Arlington, N. J. Padlock | June 24, 1879 | 15 | 1016 |
| 11,326 | Berger, Henry, New York, N. Y. Center-piece | Aug. 12, 1879 | 16 | 270 |
| 11,327 | Same.....same | Aug. 12, 1879 | 16 | 270 |
| 11,328 | Same.....same | Aug. 12, 1879 | 16 | 270 |
| 11,206 | Berger, Levi and W. H., Philadelphia, Pa. Stand for sad-irons, &c | May 27, 1879 | 15 | 834 |
| | Berger, William H. (*See* Berger, Levi and W. H.) | | | |
| 11,325 | Berry, Henry, assignor to Derby Silver Company, Huntington, Conn. Ice-pitcher | Aug. 12, 1879 | 16 | 270 |
| | Bigelow Carpet Company. (*See* Campbell, John, assignor.) | | | |
| | Same.....(*See* Christie, Hugh, assignor.) | | | |
| | Same.....(*See* Guiraud, Etienne, assignor.) | | | |
| | Same.....(*See* Londen, Milton R., assignor.) | | | |
| | Same.....(*See* Magee, Charles, assignor.) | | | |
| | Same.....(*See* McCallum, William, assignor.) | | | |
| | Same.....(*See* Pyne, Edmund, assignor.) | | | |
| 11,368 | Bindseil, Hermann F., New York, N. Y. Fur lining for cloaks | Aug. 26, 1879 | 16 | 361 |
| | Birks Brothers & Seddon. (*See* Chetwynd, Elijah, assignor.) | | | |
| 11,480 | Bissell, Frank S., Pittsburg, Pa. Grate-front | Nov. 4, 1879 | 16 | 811 |
| 11,054 | Blake, William H., Waterbury, Conn. Umbrella tip-cap | Mar. 4, 1879 | 15 | 296 |
| 11,356 | Same.....Umbrella tip-cup | Aug. 19, 1879 | 16 | 320 |
| 11,332 | Blake, William H., assignor to Novelty Manufacturing Company, Waterbury, Conn. Umbrella tip-cup | Aug. 12, 1879 | 16 | 270 |
| 11,202 | Bliss, William H., Norwich, Conn. Pistol-handle | May 20, 1879 | 15 | 782 |
| 11,125 | Boot, Henry, assignor to T. Dolan and R. Williams, jr., Philadelphia, Pa. Knitted fabric | Mar. 25, 1879 | 15 | 428 |
| 11,388 | Bradford, George, Mount Vernon, N. Y. Pen | Sept. 2, 1879 | 16 | 412 |
| | Bradley & Hubbard Manufacturing Company. (*See* Patitz, Albert, assignor.) | | | |
| | Same.....(*See* Seidensticker, F. Robert, assignor.) | | | |
| 11,059 | Branson, George, assignor to self and B. Schofield, Philadelphia, Pa. Stocking | Mar. 11, 1879 | 15 | 344 |
| 11,127 | Bray, Morris P., Birmingham, Conn. Corset | Apr. 1, 1879 | 15 | 466 |
| 11,030 | Briggs, David, assignor to T. Dolan and R. Williams, jr., Philadelphia, Pa. Knitted fabric | Feb. 25, 1879 | 15 | 249 |
| | Brittin, Edwin L. (*See* Gill & Brittin.) | | | |
| 10,989 | Brittin, Edwin L., and G. Gill, Derby, Conn. Handles of spoons, forks, &c | Jan. 28, 1879 | 15 | 88 |
| | Bromley & Sons, John. (*See* Oertly, Frederick, assignor.) | | | |
| 10,981 | Brookfield, James M., Brooklyn, N. Y. Telegraph-insulator | Jan. 14, 1879 | 15 | 33 |
| 11,276 | Brown, Charles L., New York, N. Y., assignor to E. N. Welch Manufacturing Company, Forestville, Conn. Clock-case front | July 1, 1879 | 16 | 2 |
| 11,058 | Brown, Henry R., assignor of one-half interest to J. B. Spencer, Greenville, Tenn. Show-case | Mar. 11, 1879 | 15 | 344 |
| 11,413 | Brown, Thomas G., New York, N. Y. Bracelet | Sept. 16, 1879 | 16 | 501 |
| 11,395 | Brown, Thomas W., Belmont, assignor to National Manufacturing Company, Boston, Mass. Fly-trap | Sept. 9, 1879 | 16 | 462 |
| | Bruce, David W. (*See* Herriet, Julius, assignor.) | | | |
| | Same.....(*See* Jackson, William W., assignor.) | | | |

*Alphabetical list of patentees of designs for the year* 1879—Continued.

| No. | Name, residence, and design. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| 11,411 | Brundige, Rufus M., New York, N. Y. Dish | Sept. 9, 1879 | 16 | 462 |
| 11,080 | Buermann, August, Newark, N. J. Spur | Mar. 18, 1879 | 15 | 390 |
| 11,280 | Burrows, William, assignor to J. L. Mott Iron Works, New York, N. Y. Cooking-range | July 8, 1879 | 16 | 50 |
| 11,525 | Bussey, Esek, assignor of one-half interest to C. A. McLeod, Troy, N. Y. Heating-stove | Nov. 25, 1879 | 16 | 961 |
| | Button, Conyers, *et al.* (*See* Upton, Gabriel, assignor.) | | | |
| 11,246 | Cahoone, Edwin R., Newark, N. J. Metal jockey for saddle-trees | June 17, 1879 | 15 | 972 |
| 11,176 | Cairns, Edward, Jersey City, N. J. Firemen's hat | May 6, 1879 | 15 | 696 |
| 11,037 | Campbell, John, London, England, assignor to Bigelow Carpet Company, Clinton, Mass. Carpet | Feb. 25, 1879 | 15 | 249 |
| 11,038 | Same.....same | Feb. 25, 1879 | 15 | 249 |
| 11,050 | Same.....same | Mar. 4, 1879 | 15 | 296 |
| | Candee & Co., L. (*See* Watkinson, George, assignor.) | | | |
| 11,247 | Carlewitz, August, Newark, N. J. Center-piece | June 17, 1879 | 15 | 972 |
| 10,985 | Carter, John V. B., Cleveland, Ohio. Stove | Jan. 21, 1879 | 15 | 60 |
| 11,472 | Carter, John V. B., Cincinnati, assigner to Myers, Osborne & Co., Cleveland, Ohio. Stove | Oct. 28, 1879 | 16 | 767 |
| 11,216 | Cawley, Samuel J., Brooklyn, N. Y. Umbrella-handle | June 3, 1879 | 15 | 884 |
| 11,211 | Chamberlain, William T., Norwich, Conn., assigner to De Young & Brother, Philadelphia, Pa. Ornamental chain | May 27, 1879 | 15 | 834 |
| 11,165 | Chase, Benjamin F., Baltimere, Md. Illuminated sign | Apr. 15, 1879 | 15 | 558 |
| 11,187 | Chase, Frederick T., Webster, Mass. Scotch suitings | May 13, 1879 | 15 | 738 |
| 11,312 | Same.....same | Aug. 5, 1879 | 16 | 222 |
| 11,517 | Chetwynd, Elijah, assignor to Birks Brothers & Seddon, Hanley, England. Table-service | Nov. 18, 1879 | 16 | 911 |
| 11,226 | Christesen, Redelphe, Hartford, assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Door-knob | June 3, 1879 | 15 | 884 |
| 11,227 | Same.....same | June 3, 1879 | 15 | 884 |
| 11,228 | Same.....Lock-front | June 3, 1879 | 15 | 884 |
| 11,229 | Same.....Door-knob | June 3, 1879 | 15 | 884 |
| 11,239 | Same.....Face-plate for locks | June 3, 1879 | 15 | 926 |
| 11,240 | Same.....Rim-lock case | June 10, 1879 | 15 | 926 |
| 11,257 | Same.....Handles for fire-irons | June 24, 1879 | 15 | 1016 |
| 11,305 | Same.....Padlock | July 29, 1879 | 16 | 175 |
| 11,321 | Same.....Bracket | Aug. 5, 1879 | 16 | 222 |
| 11,322 | Same.....Handles for fire-irons | Aug. 5, 1879 | 16 | 222 |
| 11,500 | Christie, Hugh, Melrose, N. Y., assignor to Bigelow Carpet Company, Clinton, Mass. Carpet | Nov. 11, 1879 | 16 | 859 |
| 11,509 | Same.....same | Nov. 18, 1879 | 16 | 911 |
| 11,180 | Churchill, Lucy L., Hinckley, Ohio. Badge | May 6, 1879 | 15 | 696 |
| 11,069 | Clark, Gilbert S., Hackensack, N. J. Pencil-case | Mar. 11, 1879 | 15 | 344 |
| 11,443 | Condé, Swits, Oswego, N. Y. Knit shirt | Sept. 30, 1879 | 16 | 590 |
| 11,485 | Same.....same | Nov. 4, 1879 | 16 | 812 |
| 11,499 | Same.....same | Nov. 4, 1879 | 16 | 812 |
| 11,462 | Same.....Knit drawers | Oct. 21, 1879 | 16 | 726 |
| 11,498 | Same.....same | Nov. 4, 1879 | 16 | 812 |
| | Coffin, Lemuel, *et al.* (*See* Altemus, Joseph B., assignor.) | | | |
| 11,209 | Collender, Hugh W., New York, N. Y. Billiard-table | May 27, 1879 | 15 | 834 |
| 11,210 | Same.....same | May 27, 1879 | 15 | 834 |
| | Comstock, Castle & Co. (*See* Vedder, Nicholas S., assignor.) | | | |
| 11,128 | Conner, James M., Greenville, N. J. Font of printing-type | Apr. 1, 1879 | 15 | 466 |
| 11,159 | Same.....Font of lower-case type | Apr. 15, 1879 | 15 | 558 |
| 11,184 | Same.....Font of printing-type | May 6, 1879 | 15 | 696 |
| | Conner's Sons, James. (*See* Ehlert, Heinrich, assignor.) | | | |
| 11,238 | Conrad, Carl, Saint Louis, Mo. Tumbler | June 10, 1879 | 15 | 926 |
| | Converse, Everett H., *et al.* (*See* Altemus, Joseph B., assignor.) | | | |
| | Corbin, P. and F. (*See* Barkentin, George S., assignor.) | | | |
| 11,160 | Court, Charles H., Jersey City, N. J. Pencil-case | Apr. 15, 1879 | 15 | 558 |
| | Crane, Breed & Co. (*See* Crane, Martin H., assignor.) | | | |
| 11,070 | Crane, Martin H., assignor to Crane, Breed & Co., Cincinnati, Ohio. Burial-casket | Mar. 11, 1879 | 15 | 344 |
| | Crease, Orlando, *et al.* (*See* Heald, Alfred, assignor.) | | | |
| | Crompton Carpet Company. (*See* Forrester, John, assignor.) | | | |
| 11,369 | Crossette, Charles H., Chicago, Ill. Neck-scarf | Aug. 26, 1879 | 16 | 361 |
| 11,510 | Culver, John M., assigner to Wallace Brothers, Wallingford, Conn. Spoon | Nov. 18, 1879 | 16 | 911 |
| 11,073 | Culver, Lucius L., Saint Louis, Mo. Clock-case | Mar. 18, 1879 | 15 | 390 |
| 11,151 | Same.....Frame for clock-movements | Apr. 8, 1879 | 15 | 508 |
| 11,376 | Curti, Dagobert, assignor to S. Sanford, Amsterdam, N. Y. Carpeting | Aug. 26, 1879 | 16 | 361 |
| 11,377 | Same.....same | Aug. 26, 1879 | 16 | 361 |
| 11,378 | Same.....same | Aug. 26, 1879 | 16 | 361 |
| 11,139 | Dalby, Louis G., Brooklyn, N. Y. Dust-pan | Apr. 8, 1879 | 15 | 508 |
| 11,195 | Darling, George S., assigner to Wilson Sewing Machine Company, Chicago, Ill. Sewing-machine stand | May 13, 1879 | 15 | 738 |
| 11,476 | Davids, John B., New York, N. Y. Mucilage-bottle | Oct. 28, 1879 | 16 | 768 |
| 11,181 | Davies, Henry J., Brooklyn, N. Y. Clock-front | May 6, 1879 | 15 | 696 |
| 11,458 | Same.....Clock-case | Oct. 14, 1879 | 16 | 681 |
| 11,252 | Davis, Isaac B., Hartford, Conn. Steam-pump | June 17, 1879 | 15 | 972 |
| 11,536 | Delhemmer, Charles C., Breaux Bridge, La. Water-cooler | Dec. 2, 1879 | 16 | 1007 |
| 11,277 | Demuth, William, New York, N. Y. Smoking-pipe | July 1, 1879 | 16 | 2 |
| 11,278 | Same.....Pipe-stem | July 1, 1879 | 16 | 2 |
| 11,362 | Same.....same | Aug. 26, 1879 | 16 | 361 |
| | Derby Silver Company. (*See* Beach, Joseph B., assignor.) | | | |
| | Same.....(*See* Berry, Henry, assignor.) | | | |
| | De Young & Brother. (*See* Chamberlain, William T., assignor.) | | | |
| | Diehl, Philip. (*See* Miller & Diehl.) | | | |
| | Dobson, James, *et al.* (*See* Baldwin, John D., assignor.) | | | |
| | Dobson, John, *et al.* (*See* Baldwin, John D., assignor.) | | | |
| | Dolan, Thomas, *et al.* (*See* Boot, Henry, assigner.) | | | |
| | Same.....(*See* Briggs, David, assigner.) | | | |
| | Same.....(*See* Jackson, Cornelius, assignor.) | | | |
| | Same.....(*See* Truitt, Henry A., assigner.) | | | |
| | Downes, Charles H. (*See* Marinus, Jacob Z., jr., assignor.) | | | |
| 11,065 | Downes, Charles L., Jersey City, N. J. Pencil-cases | Mar. 11, 1879 | 15 | 344 |
| 11,374 | Downing, Edward, assignor to J. Estey & Co., Brattleborough, Vt. Organ-case | Aug. 26, 1879 | 16 | 361 |
| 11,275 | Dreyfuss, Bernard, New York, N. Y. Embroidery-pattern | July 1, 1879 | 16 | 2 |
| | Dreyfuss & Sachs. (*See* Linnekin, Thomas J., assignor.) | | | |
| 10,982 | Drown, William A., jr., Philadelphia, Pa. Parasol | Jan. 14, 1879 | 15 | 23 |
| 11,167 | Dumaresq, Herbert, Boston, Mass. Pattern for calicoes | Apr. 22, 1879 | 15 | 606 |
| | Dunnell Manufacturing Company. (*See* Gerson, Julius, assignor.) | | | |
| | East Hampton Bell Company. (*See* Goff, George W., assignor.) | | | |
| | Ecker, Frederick. (*See* Ecker, Henry J., G. F., J. A., and F.) | | | |

*Alphabetical list of patentees of designs for the year* 1879—Continued.

| No. | Name, residence, and design. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| | Ecker, George F. (*See* Ecker, Henry J., G. F., J. A., and F.) | | | |
| 11,261 | Ecker, Henry J., G. F., J. A., and F., Philadelphia, Pa. Bar of soap | June 24, 1879 | 15 | 1016 |
| | Ecker, Joseph A. (*See* Ecker, Henry J., G. F., J. A., and F.) | | | |
| 11,394 | Eddy, George W., New Britain, Conn. Toy fulminate-exploder | Sept. 2, 1879 | 16 | 412 |
| 11,423 | Eddy, Ulysses D., New York, N. Y. Coffee-pot stand | Sept. 23, 1879 | 16 | 548 |
| 11,459 | Same.....Sad-iron stand | Oct. 14, 1879 | 16 | 681 |
| 11,424 | Ehlert, Heinrich, Berlin, Prussia, assignor to J. Conner's Sons, New York, N. Y. Font of printing type | Sept. 23, 1879 | 16 | 548 |
| 11,526 | Eldridge, Eli H. and J. H., Taunton, Mass. Coffin-plate | Nov. 25, 1879 | 16 | 961 |
| | Eldridge, John H. (*See* Eldridge, Eli H. and J. H.) | | | |
| 11,463 | Elias, William M., New York, N. Y. Medal-battery | Oct. 21, 1879 | 16 | 726 |
| 11,258 | Ely, Harriet K., New York, N. Y. Pen-rack | June 24, 1879 | 15 | 1016 |
| | Estey & Co., J. (*See* Downing, Edward, assignor.) | | | |
| | Evans, Samuel W., *et al.* (*See* Smith, Orren M., assignor.) | | | |
| 11,248 | Fairbanks, Albert C., Boston, Mass. Rubber fountain-syringe | June 17, 1879 | 15 | 972 |
| 11,414 | Fairchild, Le Roy W., New York, N. Y. Pencil-case | Sept. 16, 1879 | 16 | 501 |
| 11,415 | Same.....same | Sept. 16, 1879 | 16 | 501 |
| 11,416 | Same.....same | Sept. 16, 1879 | 16 | 501 |
| 11,417 | Same.....same | Sept. 16, 1879 | 16 | 501 |
| 11,418 | Same.....same | Sept. 16, 1879 | 16 | 501 |
| 11,419 | Same.....same | Sept. 16, 1879 | 16 | 501 |
| 11,422 | Same.....same | Sept. 16, 1879 | 16 | 502 |
| 11,432 | Same.....same | Sept. 23, 1879 | 16 | 548 |
| 11,433 | Same.....same | Sept. 23, 1879 | 16 | 548 |
| 11,434 | Same.....same | Sept. 23, 1879 | 16 | 548 |
| 11,435 | Same.....same | Sept. 23, 1879 | 16 | 548 |
| 11,441 | Same.....same | Sept. 30, 1879 | 16 | 590 |
| 11,455 | Same.....same | Oct. 7, 1879 | 16 | 633 |
| 11,456 | Same.....same | Oct. 7, 1879 | 16 | 633 |
| | Farr, Lincoln D. (*See* Barrett, Joseph, assignor.) | | | |
| | Same.....(*See* Meyer, Charles T. and V. E., assignors.) | | | |
| 11,306 | Feust, Sigmund, and J. Neumann, New York, N. Y. Bureau | July 29, 1879 | 16 | 175 |
| 11,307 | Same.....same | July 29, 1879 | 16 | 175 |
| 11,158 | Field, Joseph S., Brooklyn, N. Y. Sheet-metal box | Apr. 15, 1879 | 15 | 558 |
| 11,137 | Finch, Thomas F. N., Worcester, England. Button | Apr. 1, 1879 | 15 | 466 |
| 11,313 | Fisher, Edwin, New York, N. Y., assignor to Lowell Manufacturing Company, Lowell, Mass. Carpet. | Aug. 5, 1879 | 16 | 222 |
| 11,341 | Same.....same | Aug. 19, 1879 | 16 | 320 |
| 11,342 | Same.....same | Aug. 19, 1879 | 16 | 320 |
| 11,343 | Same.....same | Aug. 19, 1879 | 16 | 320 |
| 11,344 | Same.....same | Aug. 19, 1879 | 16 | 320 |
| 11,345 | Same.....same | Aug. 19, 1879 | 16 | 320 |
| 11,346 | Same.....same | Aug. 19, 1879 | 16 | 320 |
| 11,347 | Same.....same | Aug 19, 1879 | 16 | 320 |
| 11,348 | Same.....same | Aug. 19, 1879 | 16 | 320 |
| 11,349 | Same.....same | Aug. 19, 1879 | 16 | 320 |
| 11,350 | Same.....same | Aug. 19, 1879 | 16 | 320 |
| 11,351 | Same.....same | Aug. 19, 1879 | 16 | 320 |
| 11,352 | Same.....same | Aug 19, 1879 | 16 | 320 |
| 11,335 | Fisher, John, New York, N. Y., assignor to Lowell Manufacturing Company, Lowell, Mass. Carpet. | Aug. 19, 1879 | 16 | 320 |
| 11,336 | Same.....same | Aug. 19, 1879 | 16 | 320 |
| 11,337 | Same.....same | Aug. 19, 1879 | 16 | 320 |
| 11,338 | Same.....same | Aug. 19, 1879 | 16 | 320 |
| 11,339 | Same.....same | Aug. 19, 1879 | 16 | 320 |
| 11,340 | Same.....same | Aug. 19, 1879 | 16 | 320 |
| | Fleu, Theodore A., *et al.* (*See* Upton, Gabriel, assignor.) | | | |
| 11,016 | Focardi, Giovanni, Thornton Heath, England. Statuette | Feb. 4, 1879 | 15 | 126 |
| 11,081 | Folsom, James L., Brooklyn, N. Y., assignor to Hartford Carpet Company, Hartford, Conn. Carpet. | Mar. 25, 1879 | 15 | 427 |
| 11,082 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,083 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,084 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,097 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,098 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,099 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,100 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,101 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,102 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,103 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,104 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,105 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,106 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,114 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,115 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,116 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,117 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,118 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,120 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,140 | Same.....same | Apr. 8, 1879 | 15 | 508 |
| 11,055 | Forrester, John, Brooklyn, N. Y., assignor to Crompton Carpet Company. Carpet | Mar. 4, 1879 | 15 | 296 |
| 11,436 | Frey, Augustus, New York, N. Y. Cigar-box | Sept. 30, 1879 | 16 | 589 |
| 11,020 | Frisbie, Henry R., Bridgeport, assignor to E. N. Welch Manufacturing Company, Forestville, Conn. Pedestal and front of a clock | Feb. 11, 1879 | 15 | 160 |
| 11,021 | Same.....Base and front of a clock | Feb. 11, 1879 | 15 | 160 |
| 11,251 | Same.....Clock-case | June 17, 1879 | 15 | 972 |
| 11,430 | Gadsby, Walter J., assignor to Roxbury Carpet Company, Boston, Mass. Carpet | Sept. 23, 1879 | 16 | 548 |
| 11,141 | Gérard, John, assignor to Trenton Lock and Hardware Company, Trenton, N. J. Toy scales | Apr. 8, 1879 | 15 | 508 |
| 11,259 | Same.....Padlock | June 24, 1879 | 15 | 1016 |
| 11,481 | Gerow, Joseph U., Brooklyn, N. Y. Watch-chain ornament | Nov. 4, 1879 | 16 | 811 |
| 11,540 | Same.....Watch-chain charm | Dec. 16, 1879 | 16 | 1099 |
| 11,178 | Gerson, Julius, New York, N. Y., assignor to Dunnell Manufacturing Company, Pawtucket, R. I. Dress-trimming | May 6, 1879 | 15 | 696 |
| 11,179 | Same.....same | May 6, 1879 | 15 | 696 |
| 10,975 | Gibbs, Alvin, Chicago, Ill. Rug-pattern | Jan. 7, 1879 | 15 | 2 |
| | Gilbert, James. (*See* Bailey & Gilbert.) | | | |
| | Gill, George. (*See* Brittin & Gill.) | | | |
| 11,268 | Gill, George, and E. L. Brittin, Derby, Conn. Handles for spoons | June 24, 1879 | 15 | 1016 |

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| No. | Name, residence, and design. | Date. | Official Gazette. Vol. | Page. |
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| 11,529 | Goff, George W., assignor to East Hampton Bell Company, East Hampton, Conn. Sleigh-bells | Dec. 2, 1879 | 16 | 1007 |
| 11,188 | Goldthwait, Warren, Boston, Mass. Toilet-stand | May 13, 1879 | 15 | 738 |
| 11,121 | Goodrich, R. Elmer, New Haven, Conn. Car basket-rack bracket | Mar. 25, 1879 | 15 | 427 |
| 11,379 | Gourlay, David A., assignor to S. Sanford, Amsterdam, N. Y. Carpeting | Aug. 26, 1879 | 16 | 361 |
| 11,380 | Same.....same | Aug, 26, 1879 | 16 | 361 |
| 11,381 | Same.....same | Aug. 26, 1879 | 16 | 361 |
| 11,006 | Graf, Leopold, Newark, N. J. Heel-plate | Feb. 4, 1879 | 15 | 126 |
| 11,154 | Graham, John, New York, N. Y. Gimp | Apr. 15, 1879 | 15 | 558 |
| 11,564 | Same.....same | Dec. 30, 1879 | 16 | 1189 |
| 11,565 | Same.....same | Dec. 30, 1879 | 16 | 1189 |
| 11,558 | Graves, Carrie M., Melrose, assignor to J. Holmes, Boston, Mass. Crocheted fabric | Dec. 30, 1879 | 16 | 1189 |
| 11,177 | Greenwalt, Abraham B., Millersville, Pa. Toy-wheelbarrow frame | May 6, 1879 | 15 | 696 |
| 11,043 | Grimshaw, John, Paterson, N. J. Handkerchief | Mar. 4, 1879 | 15 | 296 |
| 11,051 | Same.....same | Mar. 4, 1879 | 15 | 296 |
| 11,501 | Guiraud, Etienne, New York, N. Y., assignor to Bigelow Carpet Company, Clinton, Mass. Carpet | Nov. 11, 1879 | 16 | 859 |
| 11,502 | Same.....same | Nov. 11, 1879 | 16 | 859 |
| 11,511 | Hake, Philipp, Hoboken, N. J. Visiting-card | Nov. 18, 1879 | 16 | 911 |
| | Hall, Elton & Co. (*See* Waterhouse, Frederick, assignor.) | | | |
| 11,142 | Halliday, Arthur L, New York, N. Y., assignor to Lowell Manufacturing Company, Lowell, Mass. Carpet | Apr. 8, 1879 | 15 | 508 |
| 11,143 | Same.....same | Apr. 8, 1879 | 15 | 508 |
| 11,447 | Same.....same | Oct. 7, 1879 | 16 | 633 |
| 11,435 | Hammond, Henry, Hartford, Conn. Hatchet | Sept. 23, 1879 | 16 | 548 |
| 11,532 | Hancock, William T., and C. E. Whitlock, Richmond, Va. Plug-tobacco | Dec. 2, 1879 | 16 | 1007 |
| 11,309 | Harrison, William H., Newark, N. J. Shade-roller catch | July 29, 1879 | 16 | 176 |
| 11,506 | Hart, Albert, assignor to W. Rogers Manufacturing Company, Hartford, Conn. Handles for table-casters | Nov. 11, 1879 | 16 | 859 |
| | Hartford Carpet Company. (*See* Beaumont, Albert, assignor.) | | | |
| | Same.....(*See* Folsom, James L., assignor.) | | | |
| | Same.....(*See* Heinigke, Otto, assignor.) | | | |
| | Same.....(*See* Horan, Henry, assignor.) | | | |
| | Same.....(*See* Jacobs, Winthrop L., assignor.) | | | |
| | Same.....(*See* Piggott, George W., assignor.) | | | |
| 11,477 | Haviland, Charles E., Limoges, France. Hollow, flat, and covered ware | Oct. 28, 1879 | 16 | 768 |
| 11,478 | Same.....same | Oct. 28, 1879 | 16 | 768 |
| 11,479 | Same.....Covered and hollow ware | Oct. 28, 1879 | 16 | 768 |
| 11,482 | Hawkins, Samuel C., Newark, N. J. Buckle | Nov. 4, 1879 | 16 | 811 |
| 11,314 | Hayden, Hiram W., assignor to Holmes, Booth & Haydens, Waterbury, Conn. Fork, spoon, &c. | Aug. 5, 1879 | 16 | 222 |
| 11,022 | Heald, Alfred, assignor to H. McCallum, O. Crease, and A. J. Sloan, Philadelphia, Pa. Carpet-pattern | Feb. 11, 1879 | 15 | 166 |
| 11,045 | Same.....Carpet-pattern | Mar. 4, 1879 | 15 | 296 |
| 11,046 | Same.....same | Mar. 4, 1879 | 15 | 296 |
| 11,047 | Same.....same | Mar. 4, 1879 | 15 | 296 |
| 11,063 | Same.....same | Mar. 11, 1879 | 15 | 344 |
| 11,294 | Same.....same | July 15, 1879 | 16 | 98 |
| 11,298 | Same.....same | July 15, 1879 | 16 | 98 |
| 11,300 | Same.....same | July 22, 1879 | 16 | 142 |
| 11,124 | Healey, James I., Brooklyn, N. Y. Newel-post | Mar. 25, 1879 | 15 | 428 |
| 11,230 | Heath, Edwin S., Clintonville, Pa. Pin-cushion | June 3, 1879 | 15 | 884 |
| 11,085 | Heinigke, Otto, New Utrecht, N. Y., assignor to Hartford Carpet Company, Hartford, Conn. Carpet | Mar. 25, 1879 | 15 | 427 |
| 11,108 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,122 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,123 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,189 | Heritage, Charles, Warren, Mass. Inside face of cloth | May 13, 1879 | 15 | 738 |
| 10,976 | Herriet, Julius, assignor to D. W. Bruce, New York, N. Y. Font of ornamental printing-type | Jan. 7, 1879 | 15 | 2 |
| 10,990 | Herter, Christian, New York, N. Y. Wall-paper | Jan. 28, 1879 | 15 | 88 |
| 10,991 | Same.....same | Jan. 28, 1879 | 15 | 88 |
| 10,992 | Same.....same | Jan. 28, 1879 | 15 | 88 |
| 10,993 | Same.....same | Jan. 28, 1879 | 15 | 88 |
| 10,994 | Same.....same | Jan. 28, 1879 | 15 | 88 |
| 10,995 | Same.....same | Jan. 28, 1879 | 15 | 88 |
| 10,996 | Same.....same | Jan. 28, 1879 | 15 | 88 |
| 10,997 | Same.....same | Jan. 28, 1879 | 15 | 88 |
| 10,998 | Same.....same | Jan. 28, 1879 | 15 | 88 |
| 10,999 | Same.....same | Jan. 28, 1879 | 15 | 88 |
| 11,000 | Same.....same | Jan. 28, 1879 | 15 | 88 |
| 11,001 | Same.....same | Jan. 28, 1879 | 15 | 88 |
| 11,002 | Same.....same | Jan. 28, 1879 | 15 | 88 |
| 11,003 | Same.....same | Jan. 28, 1879 | 15 | 88 |
| | Herz, Max. (*See* Kaufmann & Herz.) | | | |
| 11,044 | Heyer, Charles E., Chicago, Ill., assignor to A. M. and A. E. Barnhart, C. E. Spindler, and S. G. Stine. Font of printing-type | Mar. 4, 1879 | 15 | 296 |
| 11,403 | Same.....same | Sept. 9, 1879 | 16 | 462 |
| 11,404 | Same.....same | Sept. 9, 1879 | 16 | 462 |
| 11,382 | Hill, Alfred, assignor to S. Sanford, Amsterdam, N. Y. Carpeting | Aug. 26, 1879 | 16 | 361 |
| 11,383 | Same.....same | Aug. 26, 1879 | 16 | 361 |
| 11,483 | Hinrichs, Charles F. A., Brooklyn, N. Y. Handles of china and other vitrified ware | Nov. 4, 1879 | 16 | 811 |
| 11,171 | Hirschfeld, Henry W., West Meriden, assignor to Rogers & Brother, Waterbury, Conn. Spoon and fork | Apr. 22, 1879 | 15 | 606 |
| 11,217 | Hoare, John, Corning, N. Y. Bottles | June 3, 1879 | 15 | 884 |
| 11,293 | Hobbs, James W., Boston, Mass. Pepper or salt receptacles | July 8, 1879 | 16 | 50 |
| 11,527 | Hodge, Sarah M., Chicago, Ill. Ladies' and children's hood | Nov. 25, 1879 | 16 | 961 |
| 11,262 | Hodgson, Samuel, Meredith Village, N. H. Stocking | June 24, 1879 | 15 | 1016 |
| | Holmes, Booth & Haydens. (*See* Hayden, Hiram W., assignor.) | | | |
| | Holmes, John. (*See* Graves, Carrie M., assignor.) | | | |
| | Same.....(*See* Howard, Lizzie, assignor.) | | | |
| 11,149 | Hood, Milton B., Lynn, assignor to M. C. Hood & Co., Boston, Mass. Perfumery-bottle | Apr. 8, 1879 | 15 | 508 |
| | Hood & Co., M. C. (*See* Hood, Milton B., assignor.) | | | |
| 11,034 | Hopkins, Henry H., Norwich, Conn. Pistol-handle | Feb. 25, 1879 | 15 | 249 |
| 11,060 | Horan, Henry, East Orange, N. J., assignor to Hartford Carpet Company Hartford, Conn. Carpet | Mar. 11, 1879 | 15 | 344 |
| 11,061 | Same.....same | Mar. 11, 1879 | 15 | 344 |
| 11,062 | Same.....same | Mar. 11, 1879 | 15 | 344 |
| 11,079 | Same.....same | Mar. 18, 1879 | 15 | 390 |
| 11,107 | Same.....same | Mar. 25, 1879 | 15 | 427 |

*Alphabetical list of patentees of designs for the year* 1879—Continued.

| No. | Name, residence, and design. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| 11,370 | Horan, Henry, East Orange, N. J., assignor to Hartford Carpet Company, Hartford, Conn. Carpet | Aug. 26, 1879 | 16 | 361 |
| 11,371 | Same.....same | Aug. 26, 1879 | 16 | 361 |
| 11,372 | Same.....same | Aug. 26, 1879 | 16 | 361 |
| 11,384 | Same.....same | Aug. 26, 1879 | 16 | 361 |
| 11,385 | Same.....same | Aug. 26, 1879 | 16 | 361 |
| 11,396 | Same.....same | Sept. 9, 1879 | 16 | 462 |
| 11,397 | Same.....same | Sept. 9, 1879 | 16 | 462 |
| 11,398 | Same.....same | Sept. 9, 1879 | 16 | 462 |
| 11,408 | Same.....same | Sept. 9, 1879 | 16 | 462 |
| 11,421 | Same.....same | Sept. 16, 1879 | 16 | 502 |
| | Hosford, John K. (*See* Otterson, James P. S., assignor.) | | | |
| 11,329 | Howard, Charles P., assignor to J. L. Howard & Co., Hartford, Conn. Basket-rack bracket | Aug. 12, 1879 | 16 | 270 |
| | Howard & Co., James L. (*See* Howard, Charles P., assignor.) | | | |
| 11,028 | Howard, Lizzie, assignor to J. Holmes, Boston, Mass. Crocheted body for shawls | Feb. 18, 1879 | 15 | 201 |
| 11,129 | Hutchison, James, Newark, N. J. Oil-cloth | Apr. 1, 1879 | 15 | 466 |
| | Ide, Bruce & Co., George P. (*See* Ide, George P., assignor.) | | | |
| | Same.....(*See* Ide, James M., assignor.) | | | |
| 11,018 | Ide, George P., assignor to G. P. Ide, Bruce & Co., Troy, N. Y. Standing collar | Feb. 11, 1879 | 15 | 166 |
| 11,019 | Ide, James M., assignor to G. P. Ide, Bruce & Co., Troy, N. Y. Cuff | Feb. 11, 1879 | 15 | 166 |
| 11,537 | Ives, Edward R., Bridgeport, Conn. Toy-holder for fire-works | Dec. 9, 1879 | 16 | 1053 |
| 10,978 | Jackson, Cornelius, assignor to T. Dolan and R. Williams, jr., Philadelphia, Pa. Knitted fabric | Jan. 7, 1879 | 15 | 2 |
| 10,979 | Same.....same | Jan. 7, 1879 | 15 | 2 |
| 11,031 | Same.....same | Feb. 25, 1879 | 15 | 249 |
| 11,035 | Same.....same | Feb. 25, 1879 | 15 | 249 |
| 11,126 | Same.....same | Mar. 25, 1879 | 15 | 428 |
| 11,086 | Same.....Knitted fringe | Mar. 25, 1879 | 15 | 427 |
| 10,977 | Jackson, William W., Philadelphia, Pa., assignor to D. W. Bruce, New York, N. Y. Font of ornamental printing-type | Jan. 7, 1879 | 15 | 2 |
| 11,161 | Jackson, William W., assignor to MacKellar, Smiths & Jordan, Philadelphia, Pa. Font of printing-type | Apr. 15, 1879 | 15 | 558 |
| 11,162 | Same.....Font of printing-type | Apr. 15, 1879 | 15 | 558 |
| 11,231 | Same.....same | June 3, 1879 | 15 | 884 |
| 11,440 | Same.....same | Sept. 30, 1879 | 16 | 590 |
| 11,074 | Jacobs, Winthrop L., Jersey City, N. J., assignor to Hartford Carpet Company, Hartford, Conn. Carpet | Mar. 18, 1879 | 15 | 390 |
| 11,087 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,373 | Same.....same | Aug. 26, 1879 | 16 | 361 |
| 11,399 | Same.....same | Sept. 9, 1879 | 16 | 462 |
| 11,412 | Same.....same | Sept. 9, 1879 | 16 | 462 |
| | James, Franklin E. (*See* Mencke, Friedrich, assignor.) | | | |
| 11,446 | Jewett, John C., Buffalo, N. Y. Bird-cage | Sept. 30, 1879 | 16 | 590 |
| 11,387 | Johnson, Ephraim S., New York, N. Y. Pencil-case | Aug. 26, 1879 | 16 | 361 |
| | Jones, Aaron, *et al.* (*See* Sibson, Joseph, assignor.) | | | |
| 11,152 | Jones, Benjamin F., Lynn, Mass. Boot and shoe heel | Apr. 8, 1879 | 15 | 508 |
| | Jones, John E., *et al.* (*See* Sibson, Joseph, assignor.) | | | |
| 11,269 | Jones, Melville D., Boston, Mass. Vases | July 1, 1879 | 16 | 2 |
| | Jones, Thomas, *et al.* (*See* Sibson, Joseph, assignor.) | | | |
| 11,144 | Kaldenberg, F. Julius, New York, N. Y. Umbrella-handle | Apr. 8, 1879 | 15 | 508 |
| 11,145 | Same.....same | Apr. 8, 1879 | 15 | 508 |
| 11,172 | Same.....same | Apr. 22, 1879 | 15 | 606 |
| 11,270 | Kaufmann, Leopold, and M. Herz, New York, N. Y. Cigar-box | July 1, 1879 | 16 | 2 |
| 11,233 | Kellett, Samuel, San Francisco, Cal. Center-piece | June 10, 1879 | 15 | 926 |
| 11,234 | Same.....same | June 10, 1879 | 15 | 926 |
| 11,235 | Same.....same | June 10, 1879 | 15 | 926 |
| 11,255 | Kendall, George H., New York, N. Y. Business-card | June 17, 1879 | 15 | 972 |
| 11,553 | Same.....Business-card | Dec. 30, 1879 | 16 | 1189 |
| 11,358 | Keyser, Louis, and A. C. Rex, Philadelphia, Pa. Toy savings-bank | Aug. 19, 1879 | 16 | 320 |
| 11,007 | Kinne, William O., Beloit, Wis. Road-wagon | Feb. 4, 1879 | 15 | 126 |
| 11,052 | Kitschelt, Charles, assignor to N. Muller's Sons, New York, N. Y. Pendulum | Mar. 4, 1879 | 15 | 296 |
| | Klingler, Simon. (*See* Wekerle, August, assignor.) | | | |
| 11,201 | Knight, Thomas K., Brooklyn, N. Y. Picture-frame | May 13, 1879 | 15 | 738 |
| 11,473 | Knowles, Joseph B., Providence, R. I. Spoon and fork handle | Oct. 28, 1879 | 16 | 767 |
| 11,190 | Krickl, Moritz, New York, N. Y. Stair-rod | May 13, 1879 | 15 | 738 |
| | Landenberger Manufacturing Company, Martin. (*See* Phipps, John, assignor.) | | | |
| 11,281 | Landers, Charles S., assignor to Landers, Frary & Clark, New Britain, Conn. Inkstand | July 8, 1879 | 16 | 50 |
| | Landers, Frary & Clark. (*See* Landers, Charles S., assignor.) | | | |
| 11,064 | Learned, Charles H., Meriden, Conn. Funeral ornament | Mar. 11, 1879 | 15 | 344 |
| 11,155 | Same.....Funeral ornament | Apr. 15, 1879 | 15 | 558 |
| 11,236 | Same.....Ornamental funeral plate | June 10, 1879 | 15 | 926 |
| 11,303 | Same.....Funeral ornaments | July 22, 1879 | 16 | 142 |
| 11,437 | Same.....Coffin-screw | Sept. 30, 1879 | 16 | 589 |
| 11,438 | Same.....same | Sept. 30, 1879 | 16 | 589 |
| 11,004 | Lederer, Benedict, Providence, R. I. Ornamental chain-link | Jan. 28, 1879 | 15 | 88 |
| 11,279 | Lillard, Benjamin, New York, N. Y. Shears | July 1, 1879 | 16 | 2 |
| 11,426 | Lilly, Julius W., Binghamton, N. Y. Inkstand | Sept. 23, 1879 | 16 | 548 |
| 11,048 | Lindemann, J. Andreas, Brooklyn, N. Y. Clock and bell | Mar. 4, 1879 | 15 | 296 |
| 11,296 | Linnekin, Thomas J., assignor to Dreyfuss & Sachs, New York, N. Y. Card-basket | July 15, 1879 | 16 | 98 |
| | Littell & Co., J. M. (*See* Lyon, John C., assignor.) | | | |
| 11,185 | Little, Andrew, New York, N. Y. Font of printing-type | May 6, 1879 | 15 | 696 |
| 11,512 | Louden, Milton R., Hoboken, N. J., assignor to Bigelow Carpet Company, Clinton, Mass. Carpet | Nov. 18, 1879 | 16 | 911 |
| | Lowell Manufacturing Company. (*See* Fisher, Edwin, assignor.) | | | |
| | Same.....(*See* Fisher, John, assignor.) | | | |
| | Same.....(*See* Halliday, Arthur L., assignor.) | | | |
| | Same.....(*See* Poole, Edward, assignor.) | | | |
| | Same.....(*See* Swapp, Charles W., assignor.) | | | |
| 11,357 | Ludlum, William, Mount Vernon, N. Y. Watch-charm | Aug. 19, 1879 | 16 | 320 |
| 11,410 | Lyon, John C., East Orange, N. J., assignor to J. M. Littell & Co. Cake of soap | Sept. 9, 1879 | 16 | 462 |
| 11,507 | Macdonough, James, assignor to self and American Bank Note Company, New York, N. Y. Fan | Nov. 11, 1879 | 16 | 859 |
| | MacKellar, Smiths & Jordan. (*See* Jackson, William W., assignor.) | | | |
| | Same.....(*See* Smith, Richard, assignor.) | | | |
| 11,533 | Maertens, Emile, assignor to E. and E. Scheppers, Philadelphia, Pa. Woven fabric | Dec. 2, 1879 | 16 | 1007 |
| 11,534 | Same.....same | Dec. 2, 1879 | 16 | 1007 |
| 11,535 | Same.....same | Dec. 2, 1879 | 16 | 1007 |
| 11,559 | Same.....same | Dec. 30, 1879 | 16 | 1189 |
| 11,560 | Same.....same | Dec. 30, 1879 | 16 | 1189 |

*Alphabetical list of patentees of designs for the year* 1879—Continued.

| No. | Name, residence, and design. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| 11,561 | Maertens, Emile, assignor to E. and E. Scheppers, Philadelphia, Pa. Woven fabric | Dec. 30, 1879 | 16 | 1189 |
| 11,562 | Same ... same | Dec. 30, 1879 | 16 | 1189 |
| 11,563 | Same ... same | Dec. 30, 1879 | 16 | 1189 |
| 11,130 | Magee, Charles, Brooklyn, N. Y., assignor to Bigelow Carpet Company, Clinton, Mass. Carpet | Apr. 1, 1879 | 15 | 466 |
| 11,282 | Same ... same | July 8, 1879 | 16 | 50 |
| 11,503 | Same ... same | Nov. 11, 1879 | 16 | 859 |
| 11,513 | Same ... Carpet-border | Nov. 18, 1879 | 16 | 911 |
| 11,271 | Marinus, Jacob Z., jr., assignor to C. H. Downes, Jersey City, N. J. Pencil-case charm | July 1, 1879 | 16 | 2 |
| | Martin, Thomas B., *et al.* (*See* Altemus, Joseph B., assignor.) | | | |
| | McCallum, Hugh, *et al.* (*See* Heald, Alfred, assignor.) | | | |
| 11,214 | McCallum, William, Yonkers, assignor to Bigelow Carpet Company, Clinton, Mass. Carpet | May 27, 1879 | 15 | 834 |
| | McLeod, Charles A. (*See* Bussey, Esek, assignor.) | | | |
| 11,075 | McNair, David, assignor to Roxbury Carpet Company, Boston, Mass. Carpet | Mar. 18, 1879 | 15 | 390 |
| 11,088 | Same ... same | May 25, 1879 | 15 | 427 |
| 11,136 | Same ... same | Apr. 1, 1879 | 15 | 466 |
| 11,200 | Same ... same | May 13, 1879 | 15 | 738 |
| 11,253 | Meier, Felix, Detroit, Mich. Clock-case | June 17, 1879 | 15 | 972 |
| 11,066 | Mencke, Friedrich, assignor to F. E. James, New York, N. Y. Wall-paper | Mar. 11, 1879 | 15 | 344 |
| 11,067 | Same ... same | Mar. 11, 1879 | 15 | 344 |
| | Mercer Pottery Company. (*See* Barlow, James, assignor.) | | | |
| | Meriden Britannia Company. (*See* Smith, William M., assignor.) | | | |
| 11,530 | Mersereau, William T., Orange, N. J. Brass tubing | Dec. 2, 1879 | 16 | 1007 |
| 11,011 | Meyer, Charles T. and V. E., Bergen, N. J., assignors to E. C. Sampson, New York, N. Y. Oil-cloth | Feb. 4, 1879 | 15 | 126 |
| 11,012 | Same ... same | Feb. 4, 1879 | 15 | 126 |
| 11,013 | Same ... same | Feb. 4, 1879 | 15 | 126 |
| 11,014 | Same ... same | Feb. 4, 1879 | 15 | 126 |
| 11,024 | Same ... same | Feb. 18, 1879 | 15 | 201 |
| 11,025 | Same ... same | Feb. 18, 1879 | 15 | 201 |
| 11,026 | Same ... same | Feb. 18, 1879 | 15 | 201 |
| 11,131 | Same ... same | Apr. 1, 1879 | 15 | 466 |
| 11,132 | Same ... same | Apr. 1, 1879 | 15 | 466 |
| 11,133 | Same ... same | Apr. 1, 1879 | 15 | 466 |
| 11,168 | Meyer, Charles T. and V. E., Jersey City Heights, N. J., assignors to B. Stevens, New York, N. Y. Oil-cloth | Apr. 22, 1879 | 15 | 606 |
| 11,169 | Same ... same | Apr. 22, 1879 | 15 | 606 |
| 11,196 | Meyer, Charles T. and V. E., Bergen, N. J., assignors to E. C. Sampson, New York, N. Y. Oil-cloth | May 13, 1879 | 15 | 738 |
| 11,197 | Same ... same | May 13, 1879 | 15 | 738 |
| 11,198 | Same ... same | May 13, 1879 | 15 | 738 |
| 11,199 | Same ... same | May 13, 1879 | 15 | 738 |
| 11,218 | Same ... same | June 3, 1879 | 15 | 884 |
| 11,219 | Same ... same | June 3, 1879 | 15 | 884 |
| 11,220 | Same ... same | June 3, 1879 | 15 | 884 |
| 11,283 | Same ... same | July 8, 1879 | 16 | 50 |
| 11,284 | Same ... same | July 8, 1879 | 16 | 50 |
| 11,285 | Same ... same | July 8, 1879 | 16 | 50 |
| 11,286 | Same ... same | July 8, 1879 | 16 | 50 |
| 11,287 | Same ... same | July 8, 1879 | 16 | 50 |
| 11,288 | Same ... same | July 8, 1879 | 16 | 50 |
| 11,301 | Same ... same | July 22, 1879 | 16 | 142 |
| 11,316 | Same ... same | Aug. 5, 1879 | 16 | 222 |
| 11,317 | Same ... same | Aug. 5, 1879 | 16 | 222 |
| 11,318 | Same ... same | Aug. 5, 1879 | 16 | 222 |
| 11,319 | Same ... same | Aug. 5, 1879 | 16 | 222 |
| 11,389 | Same ... same | Sept. 2, 1879 | 16 | 412 |
| 11,390 | Same ... same | Sept. 2, 1879 | 16 | 412 |
| 11,487 | Same ... same | Nov. 4, 1879 | 16 | 812 |
| 11,488 | Same ... same | Nov. 4, 1879 | 16 | 812 |
| 11,489 | Same ... same | Nov. 4, 1879 | 16 | 812 |
| 11,490 | Same ... same | Nov. 4, 1879 | 16 | 812 |
| 11,491 | Same ... same | Nov. 4, 1879 | 16 | 812 |
| 11,492 | Same ... same | Nov. 4, 1879 | 16 | 812 |
| 11,493 | Same ... same | Nov. 4, 1879 | 16 | 812 |
| 11,494 | Same ... same | Nov. 4, 1879 | 18 | 812 |
| 11,518 | Same ... same | Nov. 18, 1879 | 16 | 911 |
| 11,519 | Same ... same | Nov. 18, 1879 | 16 | 911 |
| 11,520 | Same ... same | Nov. 18, 1879 | 16 | 911 |
| 11,521 | Same ... same | Nov. 18, 1879 | 16 | 911 |
| 11,541 | Same ... same | Dec. 16, 1879 | 16 | 1099 |
| 11,542 | Same ... same | Dec. 16, 1879 | 16 | 1099 |
| 11,543 | Same ... same | Dec. 16, 1879 | 16 | 1099 |
| 11,554 | Same ... same | Dec. 30, 1879 | 16 | 1189 |
| 11,555 | Same ... same | Dec. 30, 1879 | 16 | 1189 |
| 11,556 | Same ... same | Dec. 30, 1879 | 16 | 1189 |
| 11,391 | Meyer, Charles T. and V. E., Jersey City, N. J., assignors to L. D. Farr, Philadelphia, Pa. Oil-cloth pattern | Sept. 2, 1879 | 16 | 412 |
| | Meyer, Victor E. (*See* Meyer, Charles T. and V. E.) | | | |
| 11,156 | Miller, Lebbeus B., and P. Diehl, Elizabeth, N. J. Side frame of sewing-machines | Apr. 15, 1879 | 15 | 558 |
| 11,173 | Mills, George M., Philadelphia, Pa. Stick-candy | Apr. 29, 1879 | 15 | 652 |
| 11,302 | Miner, Theodore, Brooklyn, N. Y. Game-counter | July 22, 1879 | 16 | 142 |
| 11,315 | Same ... Towel-holder | Aug. 5, 1879 | 16 | 222 |
| 11,464 | Montross, Isaac T., Peekskill, N. Y. Parlor or heating stove | Oct. 21, 1879 | 16 | 726 |
| 11,333 | Moore, Edward C., Yonkers, assignor to Tiffany & Co., New York, N. Y. Fork and spoon handle | Aug. 12, 1879 | 16 | 270 |
| | Mott Iron Works, J. L. (*See* Burrows, William, assignor.) | | | |
| 11,405 | Muller, George, New York, N. Y., assignor to S. Thomas Clock Company, Thomaston, Conn. Clock-case | Sept. 9, 1879 | 16 | 462 |
| | Muller's Sons, Nicholas. (*See* Kitschelt, Charles, assignor.) | | | |
| | Myers, Osborne & Co. (*See* Carter, John V. B., assignor.) | | | |
| | National Manufacturing Company. (*See* Brown, Thomas W., assignor.) | | | |
| | Neumann, Julius. (*See* Faust & Neumann.) | | | |
| | New York Belting and Packing Company. (*See* Woffenden, George, assignor.) | | | |
| 11,363 | Ney, Elemir J., Dracut, assignor to J. H. Pray, Sons & Co., Boston, Mass. Carpet | Aug. 26, 1879 | 16 | 361 |
| | Nicholson, Francis P., *et al.* (*See* Vedder, Nicholas S., assignor.) | | | |
| 11,134 | Nightingale, Joseph, Paterson, N. J. Handkerchief | Apr. 1, 1879 | 15 | 466 |
| | Noble, Charles, *et al.* (*See* Vedder, Nicholas S., assignor.) | | | |
| | Novelty Manufacturing Company. (*See* Blake, William H., assignor.) | | | |

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| No. | Name, residence, and design. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| | Novelty Manufacturing Company. (*See* Putnam, Edwin, assignor.) | | | |
| | Novelty Rattan Company. (*See* Reed, Edward F., assignor.) | | | |
| 11,324 | Oakman, Richard N., jr., Turner's Falls, Mass. Table-fork | Aug. 5, 1879 | 16 | 222 |
| 11,263 | Oertly, Frederick, Philadelphia, Pa., assignor to J. Bromley & Sons. Carpet | June 24, 1879 | 15 | 1016 |
| 11,448 | Oertly, Frederick, assignor to J. Bromley & Sons, Philadelphia, Pa. Carpet | Oct. 7, 1879 | 16 | 633 |
| 11,449 | Same.....same | Oct. 7, 1879 | 16 | 633 |
| 11,460 | Ostrander, William R., New York, N. Y. Speaking-tube | Oct. 14, 1879 | 16 | 682 |
| 11,544 | Same.....same | Dec. 16, 1879 | 16 | 1099 |
| 11,112 | Otterson, James P. S., assignor of one-half interest to J. K. Hosford, Nashua, N. H. Shelf-brackets. | Mar. 25, 1879 | 15 | 427 |
| 11,474 | Owen, George B., Winsted, Conn. Clock-dial rim | Oct. 28, 1879 | 16 | 767 |
| 11,005 | Palmer, Theodore J., New York, N. Y. Sofa and chair frame | Jan. 28, 1879 | 15 | 88 |
| 11,514 | Partridge, Josiah, New York, N. Y. Rocking-chair | Nov. 18, 1879 | 16 | 911 |
| 11,545 | Same.....Dining-chair | Dec. 23, 1879 | 16 | 1143 |
| 11,546 | Same.....Nurse rocking-chair | Dec. 23, 1879 | 16 | 1143 |
| 11,551 | Same.....Chair | Dec. 23, 1879 | 16 | 1143 |
| 10,983 | Patitz, Albert, assignor to Bradley & Hubbard Manufacturing Company, West Meriden, Conn. Inkstand-holder | Jan. 14, 1879 | 15 | 33 |
| 11,406 | Same.....same | Sept. 9, 1879 | 16 | 462 |
| 11,407 | Same.....same | Sept. 9, 1879 | 16 | 462 |
| 11,135 | Pennell, Thomas E., Brooklyn, N. Y. Oil-cloth | Apr. 1, 1879 | 15 | 466 |
| | Pettit, Charles C. (*See* Wiard & Pettit.) | | | |
| 11,531 | Pettit, Thomas J., and C. C. Russ, San Francisco, Cal. Printing-type | Dec. 2, 1879 | 16 | 1007 |
| 11,538 | Same.....same | Dec. 9, 1879 | 16 | 1053 |
| 11,163 | Phipps, John, assignor to M. Landenberger Manufacturing Company, Philadelphia, Pa. Stocking. | Apr. 15, 1879 | 15 | 558 |
| 11,400 | Pienovi, Joseph, Newark, N. J. India-rubber overshoe | Sept. 9, 1879 | 16 | 462 |
| 11,089 | Piggott, George W., New York, N. Y., assignor to Hartford Carpet Company, Hartford, Conn. Carpet | Mar. 25, 1879 | 15 | 427 |
| 11,094 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,109 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,110 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,304 | Same.....same | July 22, 1879 | 16 | 142 |
| 11,375 | Same.....same | Aug. 26, 1879 | 16 | 361 |
| 11,401 | Same.....same | Sept. 9, 1879 | 16 | 462 |
| 11,402 | Same.....same | Sept. 9, 1879 | 16 | 462 |
| 11,427 | Pommer, Francis L., Richmond County, N. Y. Match-safe | Sept. 23, 1879 | 16 | 548 |
| | Pool, Joseph. (*See* Pool, Joshua and J.) | | | |
| 11,364 | Pool, Joshua and J., Greensburg, Ind. Arched monument | Aug. 26, 1879 | 16 | 361 |
| 11,450 | Same.....Monuments | Oct. 7, 1879 | 16 | 633 |
| 11,467 | Same.....same | Oct. 21, 1879 | 16 | 726 |
| 11,468 | Same.....same | Oct. 21, 1879 | 16 | 726 |
| 11,469 | Same.....same | Oct. 21, 1879 | 16 | 726 |
| 11,090 | Poole, Edward, Boston, assignor to Lowell Manufacturing Company, Lowell, Mass. Carpet | Mar. 25, 1879 | 15 | 427 |
| 11,091 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,111 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,119 | Same.....same | Mar. 25, 1879 | 15 | 427 |
| 11,451 | Same.....same | Oct. 7, 1879 | 16 | 633 |
| 11,452 | Same.....same | Oct. 7, 1879 | 16 | 633 |
| 11,453 | Same.....same | Oct. 7, 1879 | 16 | 633 |
| 11,454 | Same.....same | Oct. 7, 1879 | 16 | 633 |
| 11,439 | Potter, Correl D., Adams Centre, N. Y. Inkstand | Sept. 30, 1879 | 16 | 589 |
| 11,042 | Prahar, Louis B., New York, N. Y. Pocket-book fastener | Feb. 25, 1879 | 15 | 249 |
| 11,049 | Same.....Pocket-book and bag frame | Mar. 4, 1879 | 15 | 296 |
| | Pray, Sons & Co., John H. (*See* Ney, Elemir J., assignor.) | | | |
| 11,365 | Procter, Harley T., Cincinnati, Ohio. Cake of soap | Aug. 26, 1879 | 16 | 361 |
| 11,182 | Putnam, Edwin, Newark, N. J., assignor to Novelty Manufacturing Company, Waterbury, Conn. Umbrella tip-cup | May 6, 1879 | 15 | 696 |
| 11,211 | Putnam, Salmon W., Fitchburg, Mass. Metal-drilling machine | June 3, 1879 | 13 | 884 |
| 11,076 | Pyne, Edmund, New York, N. Y., assignor to Bigelow Carpet Company, Clinton, Mass. Carpet | Mar. 18, 1879 | 15 | 390 |
| 11,504 | Same.....same | Nov. 11, 1879 | 16 | 859 |
| | Read Carpet Company. (*See* Webster, John T., assignor.) | | | |
| | Reed & Barton. (*See* Beattie, William C., assignor.) | | | |
| 11,557 | Reed, Edward F., Malden, assignor to Novelty Rattan Company, Dover, Mass. Chair | Dec. 30, 1879 | 16 | 1189 |
| 11,249 | Reed, John T., St. John, New Brunswick, Canada. Photograph-frame support | June 17, 1879 | 15 | 972 |
| 11,264 | Same.....Photograph-stand | June 24, 1879 | 15 | 1016 |
| 11,359 | Remlinger, John L., Providence, assignor to W. A. Beatty, Pawtucket, R. I. Scarf-pin | Aug. 19, 1879 | 16 | 320 |
| 11,461 | Same.....Scarf-pin or similar articles of jewelry | Oct. 14, 1879 | 16 | 682 |
| | Rex, Alfred C. (*See* Keyser & Rex.) | | | |
| 11,027 | Richmond, Hiram M., Meadville, Pa. Combined sleigh-bell and terret-ring | Feb. 18, 1879 | 15 | 201 |
| | Rogers & Brother. (*See* Hirschfeld, Henry W., assignor.) | | | |
| 11,431 | Rogers, F. Willson, Hartford, Conn. Spoon and fork handle | Sept. 23, 1879 | 16 | 548 |
| 11,183 | Rogers, John, New Canaan, Conn. Group of statuary | May 6, 1879 | 15 | 696 |
| 11,486 | Same.....same | Nov. 4, 1879 | 16 | 812 |
| 11,484 | Rogers, John K., Brookline, Mass. Font of printing-type | Nov. 4, 1879 | 16 | 812 |
| | Rogers Manufacturing Company, William. (*See* Hart, Albert, assignor.) | | | |
| 11,040 | Rosenberg, Herman, New York, N. Y. Match-box | Feb. 25, 1879 | 15 | 249 |
| | Roxbury Carpet Company. (*See* Gadsby, Walter J., assignor.) | | | |
| | Same.....(*See* McNair, David, assignor.) | | | |
| | Same.....(*See* Stearns, Thomas J., assignor.) | | | |
| | Russ, C. Christian. (*See* Pettit & Russ.) | | | |
| | Russell & Erwin Manufacturing Company. (*See* Russell, Henry E., jr., assignor.) | | | |
| 11,191 | Russell, Henry E., jr., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Door-knob | May 13, 1879 | 15 | 738 |
| 11,308 | Same.....Padlock | July 29, 1879 | 16 | 176 |
| | Sampson, Edward C. (*See* Meyer, Charles T. and V. E., assignors.) | | | |
| | Sanford, Stephen. (*See* Curti, Dagobert, assignor.) | | | |
| | Same.....(*See* Gourlay, David A., assignor.) | | | |
| | Same.....(*See* Hill, Alfred, assignor.) | | | |
| | Same.....(*See* Uster, Cornelius, assignor.) | | | |
| 11,272 | Sargeant, Samuel S., Newark, N. J. Harness-mounting | July 1, 1879 | 16 | 2 |
| 11,170 | Sargent, Joseph B., New Haven, Conn. Bracket | Apr. 22, 1879 | 15 | 606 |
| | Scheppers, Edward, *et al.* (*See* Maertens, Emile, assignor.) | | | |
| | Scheppers, Emile, *et al.* (*See* Maertens, Emile, assignor.) | | | |
| 11,392 | Schilling, August, San Francisco, Cal. Can for teas, &c | Sept. 2, 1879 | 16 | 412 |
| 11,254 | Schilling, William J., New York, N. Y. Mucilage-holder | June 17, 1879 | 15 | 972 |
| 11,008 | Schlereth, Joseph, Baltimore, Md. Basket | Feb. 4, 1879 | 15 | 126 |

*Alphabetical list of patentees of designs for the year* 1879—Continued.

| No. | Name, residence, and design. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| | Schneider, Stroheim & Co. (*See* Weiand, Benjamin, assignor.) | | | |
| 11,444 | Schoeffler, Henry, assignor to J. Timmes, Brooklyn, N. Y. Gate | Sept. 30, 1879 | 16 | 590 |
| | Schofield, Benjamin. (*See* Branson, George, assignor.) | | | |
| 11,056 | Schrenkeisen, Martin, assignor to M. and H. Schrenkeisen, New York, N. Y. Ornamenting furniture | Mar. 4, 1879 | 15 | 296 |
| | Schrenkeisen, M. and H. (*See* Schrenkeisen, Martin, assignor.) | | | |
| 11,242 | Seeger, Charles, Philadelphia, Pa. Eyeglass-case | June 10, 1879 | 15 | 926 |
| 11,465 | Seidensticker, F. Robert, assignor to Bradley & Hubbard Manufacturing Company, West Meriden, Conn. Lamp-bracket | Oct. 21, 1879 | 16 | 726 |
| 11,466 | Same ..... same | Oct. 21, 1879 | 16 | 726 |
| 11,291 | Shanahan, James M., Brooklyn, N. Y. Trimming | July 8, 1879 | 16 | 50 |
| 11,157 | Shepard, Nelson M., Brooklyn, N. Y. Ornamental chain | Apr. 15, 1879 | 15 | 558 |
| 11,289 | Shiebler, George W., Newark, N. J. Spoon and fork handle | July 8, 1879 | 16 | 50 |
| 10,988 | Shipman, Albert H., Rochester, N. Y. Frame of scroll-sawing machines | Jan. 21, 1879 | 15 | 60 |
| 11,273 | Sibson, Joseph, assignor to T. A. and J. E. Jones, Philadelphia, Pa. Knitted fabric | July 1, 1879 | 16 | 2 |
| 11,146 | Siedentop, Henry, Jersey City Heights, N. J. Curtain-band | Apr. 8, 1879 | 15 | 508 |
| | Simpson, Hall, Miller & Co. (*See* Vasseur, Herman, assignor.) | | | |
| | Sloan, Andrew J., *et al.* (*See* Heald, Alfred, assignor.) | | | |
| 11,310 | Smith, Orren M., assignor to S. W. and S. W. Evans, jr., Philadelphia, Pa. Umbrella tip-cup | July 29, 1879 | 16 | 176 |
| 11,039 | Smith, Richard, assignor to MacKellar, Smiths & Jordan, Philadelphia, Pa. Font of printing-type | Feb. 25, 1879 | 15 | 249 |
| 11,164 | Same ..... same | Apr. 15, 1879 | 15 | 558 |
| 11,241 | Same ..... same | June 10, 1879 | 15 | 926 |
| 11,009 | Smith, Thomas C., Brooklyn, N. Y. Oyster-plate | Feb. 4, 1879 | 15 | 126 |
| 11,077 | Smith, William M., assignor to Meriden Britannia Company, West Meriden, Conn. Coffin-handle | Mar. 11, 1879 | 15 | 390 |
| 11,549 | Same ..... same | Dec. 23, 1879 | 16 | 1143 |
| 11,548 | Somers, Daniel M., Brooklyn, N. Y. Boxes | Dec. 23, 1879 | 16 | 1143 |
| 11,495 | Somes, Hiram S., Attleborough, Mass. Breastpin or similar article of jewelry | Nov. 4, 1879 | 16 | 812 |
| 11,017 | Spaulding, Deliver S., Mansfield, Mass. Ornamental chain-link | Feb. 4, 1879 | 15 | 126 |
| 11,071 | Same ..... same | Mar. 11, 1879 | 15 | 344 |
| | Spencer, Joseph B. (*See* Brown, Henry R., assignor.) | | | |
| | Spindler, Charles E., *et al.* (*See* Heyer, Charles E., assignor.) | | | |
| 11,092 | Spring, Solomon C., Bristol, assignor to Welch, Spring & Co., Forestville, Conn. Clock-case | Mar. 25, 1879 | 15 | 427 |
| 10,986 | Stearns, Thomas J., assignor to Roxbury Carpet Company, Boston, Mass. Carpet | Jan. 21, 1879 | 15 | 60 |
| 10,987 | Same ..... same | Jan. 21, 1879 | 15 | 60 |
| 11,029 | Same ..... same | Feb. 18, 1879 | 15 | 201 |
| 11,147 | Same ..... same | Apr. 8, 1879 | 15 | 508 |
| 11,222 | Same ..... same | June 3, 1879 | 15 | 884 |
| 11,366 | Same ..... same | Aug. 26, 1879 | 16 | 361 |
| 11,367 | Same ..... same | Aug. 26, 1879 | 16 | 361 |
| 11,496 | Same ..... same | Nov. 4, 1879 | 16 | 812 |
| 11,505 | Same ..... same | Nov. 11, 1879 | 16 | 859 |
| 11,547 | Same ..... same | Dec. 23, 1879 | 16 | 1143 |
| | Stein, S. G., *et al.* (*See* Heyer, Charles E., assignor.) | | | |
| | Stevens, Barlow. (*See* Meyer, Charles T. and V. E., assignors.) | | | |
| 11,207 | Stevens, Samuel, Jersey City, N. J. Dish-handle | May 27, 1879 | 15 | 834 |
| | Stine, Simon G., *et al.* (*See* Heyer, Charles E., assignor.) | | | |
| 11,353 | Swapp, Charles W., assignor to Lowell Manufacturing Company, Lowell, Mass. Carpet | Aug. 19, 1879 | 16 | 320 |
| 11,354 | Same ..... same | Aug. 19, 1879 | 16 | 320 |
| 11,355 | Same ..... same | Aug. 19, 1879 | 16 | 320 |
| 11,290 | Symons, William T., Houghton-le-Spring, England. Fender gas-stove | July 8, 1879 | 16 | 50 |
| 11,523 | Taylor, Charles A., Chicago, Ill. Trunk-fixture | Nov. 25, 1879 | 16 | 961 |
| 11,524 | Same ..... same | Nov. 25, 1879 | 16 | 961 |
| | Thomas Clock Company, Seth. (*See* Muller, George, assignor.) | | | |
| 11,215 | Thorp, James H., Brooklyn, N. Y. Gimp | May 27, 1879 | 15 | 834 |
| 11,566 | Same ..... same | Dec. 30, 1879 | 16 | 1189 |
| | Tiffany & Co. (*See* Moore, Edward C., assignor.) | | | |
| 11,033 | Tilt, Albert, Paterson, N. J. Handkerchief | Feb. 25, 1879 | 15 | 249 |
| 11,053 | Same ..... same | Mar. 4, 1879 | 15 | 296 |
| 11,068 | Same ..... same | Mar. 11, 1879 | 15 | 344 |
| 11,203 | Same ..... same | May 20, 1879 | 15 | 782 |
| | Timmes, John. (*See* Schoeffler, Henry, assignor.) | | | |
| 11,428 | Towne, Henry R., assignor to Yale Lock Manufacturing Company, Stamford, Conn. Door of post-office lock-boxes | Sept. 23, 1879 | 16 | 548 |
| | Treat, Edward A., *et al.* (*See* Altemus, Joseph B., assignor.) | | | |
| | Trenton Lock and Hardware Company. (*See* Gérard, John, assignor.) | | | |
| 10,980 | Truitt, Henry A., assignor to T. Dolan and R. Williams, jr., Philadelphia, Pa. Knitted fabric | Jan. 7, 1879 | 15 | 2 |
| 11,015 | Same ..... Knitted fringe | Feb. 4, 1879 | 15 | 126 |
| 11,032 | Same ..... Knitted fabric | Feb. 25, 1879 | 15 | 249 |
| 11,036 | Same ..... same | Feb. 25, 1879 | 15 | 249 |
| | Tucker, Henry C. (*See* Walker, William J., assignor.) | | | |
| | Unger, Eugene, *et al.* (*See* Unger, Herman, assignor.) | | | |
| | Unger, Frederick, *et al.* (*See* Unger, Herman, assignor.) | | | |
| 11,237 | Unger, Herman, assignor of two-thirds interest to F. and E. Unger, Newark, N. J. Bracelet | June 10, 1879 | 15 | 926 |
| 11,223 | Upton, Gabriel, assignor to C. Button and T. A. Fleu, Philadelphia, Pa. Knitted fabric | June 3, 1879 | 15 | 884 |
| 11,224 | Same ..... same | June 3, 1879 | 15 | 884 |
| 11,274 | Same ..... Knitted fabric and fringe | July 1, 1879 | 16 | 2 |
| 11,386 | Uster, Cornelius, assignor to S. Sanford, Amsterdam, N. Y. Carpeting | Aug. 26, 1879 | 16 | 361 |
| 11,174 | Vasseur, Herman, assignor to Simpson, Hall, Miller & Co., Wallingford, Conn. Spoon and fork handle | Apr. 29, 1879 | 15 | 652 |
| 11,175 | Vedder, Nicholas S., Troy, N. Y., assignor to C. Noble, and F. P. Nicholson, Philadelphia, Pa. Cooking-stove | Apr. 29, 1879 | 15 | 652 |
| 11,192 | Vedder, Nicholas S., Troy, N. Y., assignor to Comstock, Castle & Co., Quincy, Ill. Cooking-stove | May 13, 1879 | 15 | 738 |
| 11,150 | Vogel, Fredrick, New York, N. Y. Fret-work for furniture | Apr. 8, 1879 | 15 | 508 |
| 11,292 | Walker, William J., Camden, N. J., assignor to H. C. Tucker, Philadelphia, Pa. Die for stamping checks and drafts | July 8, 1879 | 16 | 50 |
| | Wallace Brothers. (*See* Culver, John M., assignor.) | | | |
| 11,475 | Washburne, Frank, Brooklyn, N. Y. Umbrella tip-cup | Oct. 28, 1879 | 16 | 768 |
| 11,508 | Waterhouse, Frederick, assignor to Hall, Eaton & Co., Wallingford, Conn. Spoon and fork handle | Nov. 11, 1879 | 16 | 859 |
| 11,260 | Watkinson, George, assignor to L. Candee & Co., New Haven, Conn. Overshoes | June 24, 1879 | 15 | 1016 |
| 11,516 | Same ..... same | Nov. 18, 1879 | 16 | 911 |
| 11,522 | Webster, John T., Flushing, N. Y., assignor to Read Carpet Company, Bridgeport, Conn. Carpet | Nov. 18, 1879 | 16 | 911 |
| 11,392 | Weiand, Benjamin, Philadelphia, Pa., assignor to Schneider, Stroheim & Co., New York, N. Y. Furniture-covering | Sept. 2, 1879 | 16 | 412 |
| 11,445 | Weil, Martin J., New York, N. Y. Cardigan jacket | Sept. 30, 1879 | 16 | 590 |
| 11,330 | Weinberg, Charles, New York, N. Y. Gimp | Aug. 12, 1879 | 16 | 270 |

*Alphabetical list of patentees of designs for the year* 1879—Continued.

| No. | Name, residence, and design. | Date. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|
| 11,193 | Wekerle, August, assignor to self and S. Klingler, New York, N. Y. Barbers' chair | May 13, 1879 | 15 | 738 |
| | Welch Manufacturing Company, E. N. (*See* Brown, Charles L., assignor.) | | | |
| | Same.....(*See* Frisbie, Henry R., assignor.) | | | |
| | Welch, Spring & Co. (*See* Spring, Solomon C., assignor.) | | | |
| 11,265 | Wemple, Christopher Y., New York, N. Y. Apron | June 24, 1879 | 15 | 1016 |
| 11,320 | Werner, August, New York, N. Y. Fountain | Aug. 5, 1879 | 16 | 222 |
| 11,186 | Werner, Robert, Hoboken, N. J. Trimming | May 6, 1879 | 15 | 696 |
| 11,550 | White, Henry K., assignor to Wilcox & White Organ Company, Meriden, Conn. Organ-case | Dec. 23, 1879 | 16 | 1143 |
| 11,539 | White, James H., assignor to Wilcox & White Organ Company, Meriden, Conn. Organ-case | Dec. 9, 1879 | 16 | 1053 |
| | Whitlock, Charles E. (*See* Hancock & Whitlock.) | | | |
| 11,093 | Whitman, Royal E., New York, N. Y. Riding-saddle | Mar. 25, 1879 | 15 | 427 |
| 11,148 | Whitney, William B., Leominster, Mass. Child's carriage body | Apr. 8, 1879 | 15 | 508 |
| 11,204 | Wiard, Matthew, and C. C. Pettit, Philadelphia, Pa. Cast-iron post | May 20, 1879 | 15 | 782 |
| 11,225 | Same.....Stall-guard | June 3, 1879 | 15 | 884 |
| 11,243 | Same.....Carriage-door fender | June 10, 1879 | 15 | 926 |
| 11,250 | Same.....Hay-rack | June 17, 1879 | 15 | 972 |
| | Wilcox & White Organ Company. *See* White, Henry K., assignor.) | | | |
| | Same.....(*See* White, James H., assignor.) | | | |
| 11,010 | Wilkinson, Walter, Beeston, England. Shawl-trimming | Feb. 4, 1879 | 15 | 126 |
| | Williams, R., jr., *et al.* (*See* Boot, Henry, assignor.) | | | |
| | Same.....(*See* Briggs, David, assignor.) | | | |
| | Same.....(*See* Jackson, Cornelius, assignor.) | | | |
| | Same.....(*See* Truitt, Henry A., assignor.) | | | |
| | Wilson Sewing Machine Company. (*See* Darling, George S., assignor.) | | | |
| 11,208 | Waffenden, George, Newtown, Conn., assignor to New York Belting and Packing Company. Rubber mat | May 27, 1879 | 15 | 834 |
| 11,420 | Wolf, George, Louisville, Ky. Badge | Sept. 16, 1879 | 16 | 502 |
| 11,409 | Wood, Charles F., Summit, N. J. Jewelry-setting | Sept. 9, 1879 | 16 | 462 |
| 11,072 | Wood, Henry A., Bangor, Me. Heating-stove | Mar. 11, 1879 | 15 | 344 |
| 11,057 | Wuensch, August, New York, N. Y. Box | Mar. 4, 1879 | 15 | 296 |
| | Yale Lock Manufacturing Company. (*See* Towne, Henry R., assignor.) | | | |

# LIST OF TRADE-MARKS REGISTERED DURING THE YEAR 1879.

| No. | Name, residence, and title. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| 7, 228 | Abbott & Gibson, New York, N. Y. Hats and caps | Apr. 22, 1879 | 15 | 606 |
| 7, 450 | Abraham Brothers, New York, N. Y. Gold paints | July 1, 1879 | 16 | 1 |
| | Abrams, John, *et al.* (*See* De Prati, Ernest, assignor.) | | | |
| 7, 203 | Ackermann, Adolph L., New York, N. Y. Essence of coffee | Apr. 15, 1879 | 15 | 558 |
| 7, 580 | Ackermann, Adolph L. and B. L., jr., New York, N. Y. Coffee | Aug. 12, 1879 | 16 | 269 |
| | Ackermann, Bernard L., jr. (*See* Ackermann, Adolph L. and B. L., jr.) | | | |
| 7, 277 | Adams, Alexander P., San Francisco, Cal. Ground coffee | May 13, 1879 | 15 | 737 |
| 7, 501 | Adams, John, Gloucester, N. J. Cough-sirup | July 15, 1879 | 16 | 97 |
| 7, 339 | Adelsdorfer & Co., Ernest, San Francisco, Cal. Coffee and spices | May 20, 1879 | 15 | 782 |
| 7, 615 | Adriatic Woolen Mills, Worcester, Mass. Wool and camel's-hair mixed fabrics | Aug. 26, 1879 | 16 | 362 |
| 7, 090 | Akron Iron Company, Akron and Bessemer, Ohio. Coal | Mar. 11, 1879 | 15 | 344 |
| 7, 232 | Allan, John C., Buffalo, N. Y. Preparation for coloring butter | Apr. 22, 1879 | 15 | 606 |
| 7, 222 | Allen & Co., New York, N. Y. Smoking and chewing tobacco | Apr. 22, 1879 | 15 | 606 |
| 7, 581 | Allen & Co., Julian, Statesville, N. C. Chewing and smoking tobacco and cigarettes | Aug. 12, 1879 | 16 | 269 |
| 7, 632 | Allen & Ellis, New York, N. Y., Chicago, Ill., and Cincinnati, Ohio. Plug chewing-tobacco | Sept. 2, 1879 | 16 | 411 |
| 7, 440 | Same.....Smoking-tobacco | June 24, 1879 | 15 | 1016 |
| 7, 372 | Allison Brothers, Middletown, Conn. Laundry-soap | May 27, 1879 | 15 | 834 |
| 7, 169 | American Absorptive Pad Company, Philadelphia, Pa. Medicated pads | Apr. 8, 1879 | 15 | 508 |
| 7, 507 | American Crystalene Company, New York, N. Y., and Newark, N. J. Composition used in the manufacture of paints, varnishes, calcimine, and enamels | July 15, 1879 | 16 | 97 |
| 7, 565 | American Pine Leaf Fibre Company, New York, N. Y. Stuffing for upholstery goods | Aug. 5, 1879 | 16 | 221 |
| 7, 015 | Ansonia Clock Company, Ansonia, Conn. Clock | Feb. 11, 1879 | 15 | 165 |
| 7, 099 | Anvil Nail Company, New York, N. Y. Horseshoe-nails | Mar. 11, 1879 | 15 | 344 |
| 7, 747 | Aschermann & Co., Ed., Milwaukee, Wis. Cigars, cigarettes, and chewing and smoking tobacco | Oct. 21, 1879 | 16 | 725 |
| 7, 542 | Austin & Co., George L., Boston, Mass. Phosphatic preparation | July 22, 1879 | 16 | 142 |
| 7, 612 | Austin & Melville, New York, N. Y. Perfumery | Aug. 26, 1879 | 16 | 362 |
| 7, 298 | Babbitt, Benjamin T., New York, N. Y. Yeast-powders | May 13, 1879 | 15 | 738 |
| 6, 978 | Backus Oil Company, Cleveland, Ohio. Lubricating-grease | Jan. 28, 1879 | 15 | 87 |
| 7, 002 | Same.....Lubricating cylinder-oil | Feb. 4, 1879 | 15 | 125 |
| 7, 111 | Bagnall & Loud, Boston, Mass. Tackle or pulley blocks | Mar. 18, 1879 | 15 | 390 |
| 7, 781 | Baker, Pratt & Co., New York, N. Y. Marking-crayons | Dec. 23, 1879 | 16 | 1143 |
| 7, 074 | Baldwin, Benjamin W., Pittsburg, Pa. Metals | Mar. 4, 1879 | 15 | 296 |
| 7, 044 | Baldwin, Oran S., Brooklyn, N. Y. Shirts, collars, cuffs, and the like articles | Feb. 25, 1879 | 15 | 149 |
| 7, 775 | Ballin, G. & J., New York, N. Y. Linen and cotton piece-goods | Nov. 11, 1879 | 16 | 859 |
| 6, 979 | Barkley & Hasson, Baltimore, Md. Roasted and ground coffee | Jan. 28, 1879 | 15 | 87 |
| 7, 206 | Baron & Co., José, New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | Apr. 22, 1879 | 15 | 605 |
| 7, 198 | Barrows & Sons, William, Tipton, England. Iron and steel | Apr. 15, 1879 | 15 | 558 |
| 7, 166 | Bartelo, George, Buckau, Magdeburg, Prussia. Chicory | Apr. 8, 1879 | 15 | 508 |
| 7, 626 | Bartholomay Brewing Company, Rochester, N. Y. Lager-beer | Aug. 26, 1879 | 16 | 362 |
| 6, 976 | Bartlett, Henry A., Philadelphia, Pa. Mattresses and mattress-filling | Jan. 28, 1879 | 15 | 87 |
| 7, 691 | Barton, Benjamin F., San Francisco, Cal. Bread-raising preparations | Sept. 23, 1879 | 16 | 547 |
| 7, 478 | Basley & McAlvanah, New York, N. Y. Ground coffee | July 8, 1879 | 16 | 49 |
| 6, 918 | Bass & Co., Burton-upon-Trent, England. Pale ale | Jan. 7, 1879 | 15 | 1 |
| 6, 919 | Same.....Burton ale | Jan. 7, 1879 | 15 | 1 |
| 6, 920 | Same.....Stout or porter | Jan. 7, 1879 | 15 | 1 |
| 7, 299 | Basye & Co., Cumberland, Md. Remedy for epilepsy | May 13, 1879 | 15 | 738 |
| 7, 575 | Baxter, Edward, and B. F. Hughson, Cold Spring, N. Y. Polishing fluid and paste | Aug. 12, 1879 | 16 | 269 |
| 7, 383 | Bean & Brother, Philadelphia, Pa. Root-beer | June 3, 1879 | 15 | 883 |
| 7, 279 | Bean, Lewis U., Philadelphia, Pa. Perfumery | May 13, 1879 | 15 | 737 |
| 7, 398 | Becker, Charles R., Baltimore, Md. Cigars | June 10, 1879 | 15 | 925 |
| 7, 307 | Beckman & Co., B. F., Westfield, Mass. Cigars | May 20, 1879 | 15 | 781 |
| 7, 552 | Bedell, Edward W., New York, N. Y. Alpaca braid | July 29, 1879 | 16 | 175 |
| 7, 135 | Beedle & Kelly, Troy, Ohio. Corn-planters | Mar. 25, 1879 | 15 | 428 |
| 7, 139 | Behr & Co., Herman, New York, N. Y. Metal-polish | Apr. 1, 1879 | 15 | 465 |
| 7, 573 | Bence, George, New York, N. Y. Cigars | Aug. 12, 1879 | 16 | 269 |
| 7, 712 | Bentley & Miller, Newark, Ohio. Catarrh-medicine | Sept. 30, 1879 | 16 | 589 |
| | Bernheimer Brothers & Co. (*See* Hoffheimer, Abraham, assignor.) | | | |
| 7, 568 | Berri, William, Brooklyn, N. Y. Oil-cloths and similar floor-coverings | Aug. 5, 1879 | 16 | 221 |
| 6, 921 | Bigelow Carpet Company, Clinton, Mass. Jacquard, Brussels, and Wilton carpets, mats, and rugs | Jan. 7, 1879 | 15 | 1 |
| 7, 101 | Billings, Clapp & Co., Boston, Mass. Certain medicinal preparation | Mar. 11, 1879 | 15 | 344 |
| 7, 713 | Blair, Hugh, Richmond, Va. Hair-dye | Sept. 30, 1879 | 16 | 589 |
| 7, 207 | Blum, Alfred, San Francisco, Cal. Blood-purifying medicine | Apr. 22, 1879 | 15 | 605 |
| 7, 538 | Bobbitt, James M., Lynchburg, Va. Chewing and smoking tobacco and cigars | July 22, 1879 | 16 | 142 |
| 7, 146 | Boegler, Ferdinand, New York, N. Y. Gin | Apr. 1, 1879 | 15 | 465 |
| 7, 131 | Boetticher, Kellogg & Co., Evansville, Ind. Chopping-axes | Mar. 25, 1879 | 15 | 428 |
| 7, 160 | Bollinger, J., Ay-Champagne, France. Champagne-wine | Apr. 8, 1879 | 15 | 507 |
| 7, 768 | Bollman, Frederick M., Baltimore, Md. Vinegar | Nov. 4, 1879 | 16 | 811 |
| 7, 769 | Same.....same | Nov. 4, 1879 | 16 | 811 |
| 7, 394 | Bondy & Lederer, New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | June 10, 1879 | 15 | 925 |
| 7, 180 | Bott & Frintrup, Saint Louis, Mo. Cigars | Apr. 15, 1879 | 15 | 557 |
| 7, 041 | Bowker & Co., W. H., Boston, Mass. Fertilizers for flowers | Feb. 18, 1879 | 15 | 201 |
| 6, 943 | Bowman & Co., John S., San Francisco, Cal. Cigars | Jan. 14, 1879 | 15 | 33 |
| 7, 675 | Brady, James N., Albany, N. Y. Yeast-cakes and baking-powders | Sept. 9, 1879 | 16 | 462 |
| 7, 362 | Braillard, Francis F., Brooklyn, N. Y. Liniment | May 27, 1879 | 15 | 833 |
| 7, 237 | Bremer's Sons, Lewis, Philadelphia, Pa. Smoking and chewing tobacco, cigars, cigarettes, and snuff. | Apr. 29, 1879 | 15 | 651 |
| 7, 238 | Same.....same | Apr. 29, 1879 | 15 | 651 |
| 7, 424 | Brendecke, Adolph C., Chicago, Ill. Tea composed of medicinal herbs and roots | June 17, 1879 | 15 | 972 |
| 7, 050 | Bridgeport Wood Finishing Company, New York, N. Y. Preparations for filling, covering, and preserving wood | Feb. 25, 1879 | 15 | 249 |
| 7, 562 | Brill & Co., S., New York, N. Y. Ladies', children's, and infants' underwear and furnishings | Aug. 5, 1879 | 16 | 221 |
| 7, 715 | Brokhahne, William, New York, N. Y. Razors, knives, and scissors | Oct. 7, 1879 | 16 | 633 |
| 7, 199 | Brooklyn Watch Case Company, Brooklyn, N. Y. Watch-cases | Apr. 15, 1879 | 15 | 558 |
| 7, 278 | Brown, C. E., Madera, Cal. Anti-febrile medicine | May 13, 1879 | 15 | 737 |

*List of trade-marks registered during the year* 1879—Continued.

| No. | Name, residence, and title. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| 7,395 | Brown, Robert C., New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | June 10, 1879 | 15 | 925 |
| 7,224 | Brown, Thomas J., and W. E. Hall, Winston, N. C. Chewing and smoking tobacco | Apr. 22, 1879 | 15 | 606 |
| 7,054 | Brown, William J., Washington, D. C. Medical compound for plasters | Mar. 4, 1879 | 15 | 295 |
| 7,786 | Browne, George B., New York, N. Y. Medicine for skin-diseases | Dec. 30, 1879 | 16 | 1189 |
| 7,609 | Browne, George J., New York, N. Y. Wooven cotton fabrics, unbleached, bleached, and colored | Aug. 26, 1879 | 16 | 362 |
| 7,365 | Brownfield, William W., Saint Louis, Mo. Pills for the cure of chills and fever | May 27, 1879 | 15 | 834 |
| 7,553 | Bucan, Charles H., Neuilly, near Paris, France. Wines | July 29, 1879 | 16 | 175 |
| 7,434 | Buchman Brothers & Co., Cincinnati, Ohio. White and fancy shirts | June 24, 1879 | 15 | 1016 |
| 7,097 | Buckeye Lantern Company, Bellaire, Ohio. Lanterns | Mar. 11, 1879 | 15 | 344 |
| 7,582 | Buermann, August, Newark, N. J. Spurs | Aug. 12, 1879 | 16 | 269 |
| 7,022 | Buffalo Scale Company, Buffalo, N. Y. Scales | Feb. 11, 1879 | 15 | 165 |
| 7,343 | Burns & Byram, Philadelphia, Pa. Ground pepper | May 20, 1879 | 15 | 782 |
| 7,269 | Burwell & Sons, R. M., New Haven, Conn. Soap | May 6, 1879 | 15 | 695 |
| 7,197 | Buttle, Henry T., New York, N. Y. Remedy for coughs, colds, and catarrh | Apr. 15, 1879 | 15 | 558 |
| 7,692 | Callaghan, Daniel, San Francisco, Cal. Yeast-powder | Sept. 23, 1879 | 16 | 547 |
| 7,679 | Camden Consolidated Oil Company, Parkersburg, W. Va. Lubricating-oil | Sept. 16, 1879 | 16 | 501 |
| 7,680 | Same.....same | Sept. 16, 1879 | 16 | 501 |
| 7,435 | Cammett, John W., New York, N. Y. Lamp-oil | June 24, 1879 | 15 | 1016 |
| | Camph, John O. (*See* Hesselbroth & Camph.) | | | |
| 7,641 | Candee & Co., L., New Haven, Conn. Rubber boots and shoes | Sept. 2, 1879 | 16 | 411 |
| 7,642 | Same.....India-rubber boots, shoes, and foot-coverings | Sept. 2, 1879 | 16 | 411 |
| 7,741 | Same.....same | Oct. 21, 1879 | 16 | 725 |
| 7,148 | Cautrell & Cochrane, Dublin and Belfast, Ireland. Ginger-ale | Apr. 1, 1879 | 15 | 465 |
| 6,989 | Carman, Elbert S. and T. D., New York, N. Y. Newspapers | Feb. 4, 1879 | 15 | 125 |
| | Carman, Thomas D. (*See* Carman, Elbert S. and T. D.) | | | |
| 7,409 | Carpenter, Elias H., Providence, R. I. Medicines for the cure of throat and lung diseases | June 17, 1879 | 15 | 971 |
| 7,676 | Same.....Medical compounds for the cure of lung and throat diseases | Sept. 9, 1879 | 16 | 462 |
| 7,147 | Carr & Hobson, New York, N. Y. Plows | Apr. 1, 1879 | 15 | 465 |
| 7,234 | Carr, J. Irvin, and A. N. Williamson, Chicago, Ill. Post-nasal syringe | Apr. 22, 1879 | 15 | 606 |
| 7,583 | Carrière, John B., Albany, N. Y. Preparations of ground coffee | Aug. 12, 1879 | 16 | 269 |
| | Carroll, George L., *et al.* (*See* De Prati, Ernest, assignor.) | | | |
| 7,584 | Carroll, George L., San Francisco, Cal. Sarsaparilla or blood-purifier | Aug. 12, 1879 | 16 | 269 |
| 7,733 | Carroll, John W., Lynchburg, Va. Smoking-tobacco | Oct. 14, 1879 | 16 | 681 |
| 7,494 | Carroll, Will S., Lynchburg, Va. Smoking and chewing tobacco, cigars, cigarettes, and snuff | July 8, 1879 | 16 | 50 |
| 7,758 | Carruth & Co., C. H., Boston, Mass. Chewing and smoking tobacco | Oct. 28, 1879 | 16 | 767 |
| 7,023 | Carter Medicine Company, Erie, Pa. Pills | Feb. 11, 1879 | 15 | 165 |
| 7,024 | Same.....same | Feb. 11, 1879 | 15 | 165 |
| | Case, Milton W. (*See* Ziegler & Case.) | | | |
| 7,112 | Castle Brothers, San Francisco, Cal. Mining-candles | Mar. 18, 1879 | 15 | 390 |
| 7,325 | Caterson, William M., Philadelphia, Pa. Cough-sirup | May 20, 1879 | 15 | 782 |
| 7,063 | Cauldwell, William, and L. C. Hubbard, New York, N. Y. Cleansing preparation for removing stains, &c | Mar. 4, 1879 | 15 | 295 |
| 7,545 | Chambers, Perlee L., Indianapolis, Ind. Cigarettes and chewing and smoking tobacco | July 22, 1879 | 16 | 142 |
| 7,441 | Champlin & Co., Buffalo, N. Y. Liquid pearl, a preparation for the human complexion | June 24, 1879 | 15 | 1016 |
| 7,113 | Chandler, Emily, New York, N. Y. Blood and liver pills | Mar. 18, 1879 | 15 | 390 |
| 7,208 | Chase, Benjamin F., Baltimore, Md. Illuminated or box signs | Apr. 22, 1879 | 15 | 605 |
| 7,355 | Chesapeake Guano Company, Baltimore, Md. Fertilizing compositions or compounds | May 27, 1879 | 15 | 833 |
| 7,654 | Chicago Scale Company, Chicago, Ill. Scales or weighing instruments | Sept. 2, 1879 | 16 | 412 |
| 7,075 | Chicago White Lead and Oil Company, Chicago, Ill. Mixed oil-paints ready for use | Mar. 4, 1879 | 15 | 296 |
| 7,305 | Same.....Wall-brushes, painters' or glaziers' brushes, and varnish-brushes | May 13, 1879 | 15 | 738 |
| 7,444 | Same.....White lead | July 1, 1879 | 16 | 1 |
| 7,445 | Same.....same | July 1, 1879 | 16 | 1 |
| 7,704 | Same.....same | Sept. 23, 1879 | 16 | 547 |
| 7,716 | Chielovich, Elia, San Francisco, Cal. Whisky | Oct. 7, 1879 | 16 | 633 |
| 7,697 | Christian, Robert J., Richmond, Va. Plug, chewing, and smoking tobacco | Sept. 23, 1879 | 16 | 547 |
| 7,784 | Christy, Thomas J., Saint Louis, Mo. Illuminating-oils | Dec. 30, 1879 | 16 | 1189 |
| 7,209 | Cincinnati Melophine Manufacturing Company, Cincinnati, Ohio. Washing-cream | Apr. 22, 1879 | 15 | 605 |
| 6,981 | City Baking Powder Company, Galveston, Tex. Baking or yeast powders | Jan. 28, 1879 | 15 | 87 |
| 7,193 | Clapp, Charles M., Boston, Mass. Rubber goods | Apr. 15, 1879 | 15 | 557 |
| 7,067 | Clapp, Young & Co., W. B., Chicago, Ill. Spectacles and eyeglasses | Mar. 4, 1879 | 15 | 295 |
| 6,980 | Clark & Co., B. P., Cambridge, Mass. Cigars | Jan. 28, 1879 | 15 | 87 |
| 7,031 | Clark & Co., J. & J., Paisley, Scotland. Spool-cotton | Feb. 18, 1879 | 15 | 201 |
| 7,597 | Clark, Frank E., Westville, Conn. Beefsteak-tenderer | Aug. 19, 1879 | 16 | 319 |
| 7,610 | Clarke, William E., Providence, R. I. Medicinal preparation for the cure of diseases of the kidneys, &c | Aug. 26, 1879 | 16 | 362 |
| | Clock, Lyman. (*See* Kendall & Clock.) | | | |
| 7,055 | Clnett, Brother & Co., George B., Troy, N. Y. Collars and cuffs | Mar. 4, 1879 | 15 | 295 |
| 7,759 | Coats, J. & P., Pawtucket, R. I., and Paisley, Remfrewshire, Scotland. Spool-cotton or cotton thread | Oct. 28, 1879 | 16 | 767 |
| 7,064 | Cochran, Hugh M., McConnellsville, Ohio. Plug, smoking, and chewing tobacco | Mar. 4, 1879 | 15 | 295 |
| 7,254 | Cohen, Charles J., Philadelphia, Pa. Articles of stationery | Apr. 29, 1879 | 15 | 652 |
| 7,326 | Cohen & Co., W., San Francisco, Cal. Shirts, undershirts, drawers, &c | May 20, 1879 | 15 | 782 |
| 7,776 | Cohn, Moses L., Chicago, Ill. Cigars, cigarettes, and manufactured tobacco | Nov. 11, 1879 | 16 | 859 |
| 7,120 | Coleman & Co., William T., San Francisco, Cal. Wax or mining candles | Mar. 18, 1879 | 15 | 390 |
| 7,121 | Same.....Wax candles | Mar. 18, 1879 | 15 | 390 |
| 7,122 | Same.....Wax or mining candles | Mar. 18, 1879 | 15 | 390 |
| 7,123 | Same.....same | Mar. 18, 1879 | 15 | 390 |
| 7,124 | Same.....same | Mar. 18, 1879 | 15 | 390 |
| 7,363 | Same.....same | May 27, 1879 | 15 | 833 |
| 7,745 | Same.....Canned salmon and other fish | Oct. 21, 1879 | 16 | 725 |
| 7,065 | Colgate & Co., New York, N. Y. Laundry-soap | Mar. 4, 1879 | 15 | 295 |
| 7,076 | Same.....soap | Mar. 4, 1879 | 15 | 296 |
| 7,303 | Same.....Perfumery | May 13, 1879 | 15 | 738 |
| 7,468 | Same.....Lanndry-soap | July 1, 1879 | 16 | 2 |
| 7,144 | College of Pharmacy of the City of New York, New York, N. Y. Standard weights and measures | Apr. 1, 1879 | 15 | 465 |
| 7,108 | Collier White Lead and Oil Company, Saint Louis, Mo. White lead | Mar. 18, 1879 | 15 | 390 |
| 7,094 | Collins Company, Collinsville, Conn. Edge-tools | Mar. 11, 1879 | 15 | 344 |
| 7,643 | Same.....Machinists' tools | Sept. 2, 1879 | 16 | 411 |
| 7,644 | Same.....Earth-working tools | Sept. 2, 1879 | 16 | 411 |
| 7,645 | Same.....Machinists' tools | Sept. 2, 1879 | 16 | 411 |
| 7,286 | Commercial Manufacturing Company, New York, N. Y. Oleomargarine and oleomargarine butter | May 13, 1879 | 15 | 737 |
| 7,523 | Concher, William H., Bunker Hill, Ind., and W. Whitlow, J. R. Ramsey, and W. H. Higbie, Peoria, Ill. Dry hop-yeast | July 22, 1879 | 16 | 141 |
| 7,752 | Consolidated Fruit Jar Company, New York, N. Y. Fruit-jars | Oct. 28, 1879 | 16 | 767 |
| 7,403 | Cook & Flint, Boston, Mass. Preparation for the hair | July 1, 1879 | 16 | 2 |

*List of trade-marks registered during the year* 1879—Continued.

| No. | Name, residence, and title. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| 7,109 | Cook, J. W. & V., Clifton, Oreg. Canned salmon | Mar. 18, 1879 | 15 | 390 |
| 7,470 | Corning & Co., Cleveland, Ohio. Gin | July 1, 1879 | 16 | 2 |
| 7,471 | Same.....Whisky | July 1, 1879 | 16 | 2 |
| 7,782 | Corporation Stadtgemeinde Karlsbad, Karlsbad, Austria. Medical salt | Dec. 23, 1879 | 16 | 1143 |
| 7,381 | Costello, Michael, New York, N. Y. Candies | June 3, 1879 | 15 | 883 |
| 7,161 | Cottan et Cie., Paris, France. Toilet preparations | Apr. 8, 1879 | 15 | 507 |
| 7,052 | Coudray & Fils, E., Paris, France. Toilet preparations | Feb. 25, 1879 | 15 | 249 |
| 6,954 | Cowdrey, Edward T., Boston, Mass. Pepper-relish | Jan. 21, 1879 | 15 | 59 |
| 7,760 | Cox & Poynter, Maysville, Ky. Plows | Oct. 28, 1879 | 16 | 767 |
| 7,601 | Cox, Thomas J., Bloomington, Ill. Flour | Aug. 19, 1879 | 16 | 319 |
| 7,602 | Cramer, Gottlieb, Vienna, Austria. Kid and lamb-skin gloves | Aug. 19, 1879 | 16 | 319 |
| 7,396 | Crandall, Henry, Wilkesbarre, Pa. Cigars, cigarettes, and smoking and chewing tobacco | June 10, 1879 | 15 | 925 |
| 7,003 | Crane & Co., Dalton, Mass. Writing-paper | Feb. 4, 1879 | 15 | 125 |
| 7,633 | Cronk & Kurtz, Detroit, Mich. Sarsaparilla-beer | Sept. 2, 1879 | 16 | 411 |
| 7,617 | Cross & Beguelin, New York, N. Y. Mainsprings for watches | Aug. 26, 1879 | 16 | 362 |
| 7,210 | Crossman & Brother, W. H., New York, N. Y. Illuminating-oils | Apr. 22, 1879 | 15 | 605 |
| 7,174 | Currier, Benjamin W., Lynn, Mass. Men's, young men's, boys', and children's clothing | Apr. 8, 1879 | 15 | 508 |
| 7,369 | Curtis, Jay C. D., Rochester, N. Y. Dyspepsia-cure | May 27, 1879 | 15 | 834 |
| 6,922 | Cutler, C. F. & G. E., South Framingham, Mass. Grain-bags | Jan. 7, 1879 | 15 | 1 |
| 7,710 | Dabney, Simmons & Co., Boston, Mass. Figs | Sept. 30, 1879 | 16 | 589 |
| 7,711 | Same.....same | Sept. 30, 1879 | 16 | 589 |
| 7,017 | Dally, Samuel, Brooklyn, N. Y. Bacon, hams, and cured and pickled meats | Feb. 11, 1879 | 15 | 165 |
| 7,225 | Damon, Maynard & Tucker, Northampton, Mass. Bindings | Apr. 22, 1879 | 15 | 606 |
| 7,543 | Dart Company, A. A., New Haven, Conn. Carriage-springs | July 22, 1879 | 16 | 142 |
| 7,134 | Dausman Tobacco Company, Saint Louis, Mo. Plug-tobacco | Mar. 25, 1879 | 15 | 428 |
| 7,248 | Davies, Henry J., Brooklyn, N. Y. Clocks | Apr. 29, 1879 | ..... | 651 |
| 7,652 | Davies, William, Brooklyn, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | Sept. 2, 1879 | 16 | 412 |
| 7,289 | Davis & Co., D. O., Richmond, Va. Whisky | May 13, 1879 | 15 | 737 |
| 6,944 | Davis, John, Charleston, S. C. Axle grease or lubricator | Jan. 14, 1879 | 15 | 33 |
| 7,092 | Davis & Son & Lawrence, Perry, Montreal, Quebec, and J. I. Fellows, Saint John, New Brunswick, Canada. Medicinal preparation | Mar. 11, 1879 | 15 | 344 |
| 7,472 | Dawson & Son, John, Philadelphia, Pa. Scouring-crystals | July 1, 1879 | 16 | 2 |
| 7,508 | Same.....Washing-powder | July 15, 1879 | 16 | 97 |
| 7,598 | Day & Brother, James R., Durham, N. C. Smoking-tobacco and cigarettes | Aug. 19, 1879 | 16 | 319 |
| 7,351 | Day & Brother, J. R., Durham, N. C. Smoking-tobacco | May 27, 1879 | 15 | 833 |
| 7,194 | Deakin, Ann, Hartford, England. Salt | Apr. 15, 1879 | 15 | 558 |
| 7,195 | Same.....same | Apr. 15, 1879 | 15 | 558 |
| 7,106 | Dean, Gracey & Co., Virginia City, Nev. Lubricating compounds | Mar. 11, 1879 | 15 | 344 |
| 7,524 | Dearborn, Charles P., Boston, Mass. Blind-awning fixtures | July 22, 1879 | 16 | 141 |
| 6,990 | Decker, James M., New York, N. Y. Lard and cured meats in packages | Feb. 4, 1879 | 15 | 125 |
| 7,384 | Deere, Mansur & Co., Saint Louis and Kansas City, Mo. Cane-mills | June 3, 1879 | 15 | 883 |
| 7,425 | Demuth, William, New York, N. Y. Cigarette-paper | June 17, 1879 | 15 | 972 |
| 7,344 | Dennis & Co., Joseph R., New York, N. Y. Alterative, aperient, and tonic medicine | May 20, 1879 | 15 | 782 |
| 7,114 | De Prati, Ernest, assignor of one-half interest to J. Abrams and G. L. Carroll, San Francisco, Cal. Cathartic medicine resembling fig-paste or medicated figs | Mar. 18, 1879 | 15 | 390 |
| 7,053 | De Voe, Arthur, Indiana, Pa. Catarrh-remedy | Feb. 25, 1879 | 15 | 249 |
| 7,571 | Devries, Henry O., Marriottsville Post-Office, Md. Fertilizers | Aug. 5, 1879 | 16 | 221 |
| 6,933 | Dexter, Edmund, Cincinnati, Ohio. Whisky | Jan. 7, 1879 | 15 | 1 |
| 6,934 | Same.....same | Jan. 7, 1879 | 15 | 1 |
| 7,613 | Dick, Dundas, New York, N. Y. Medical compound | Aug. 26, 1879 | 16 | 362 |
| 7,495 | Disston & Sons, Henry, Philadelphia, Pa. Saw-swages | July 8, 1879 | 16 | 50 |
| 7,604 | Dohan, Carroll & Co., New York, N. Y. Cigars, cigarettes, plug and fine-cut chewing and smoking tobacco, and snuff | Aug. 19, 1879 | 16 | 319 |
| 7,253 | Donovan, Mary J., Kingston, N. Y. Rheumatic cure | Apr. 29, 1879 | 15 | 652 |
| 7,627 | Doolittle, Benjamin, Oswego, N. Y. Mineral waters | Aug. 26, 1879 | 16 | 362 |
| 7,688 | Douglas Brothers, San Francisco, Cal. Lime-juice sirup | Sept. 16, 1879 | 16 | 501 |
| 7,550 | Drown & Co., William A., Philadelphia, Pa., and New York, N. Y. Umbrellas and parasols | July 29, 1879 | 16 | 175 |
| 7,681 | Duffee & Co., John C., Brooklyn, N. Y. Shirts | Sept. 16, 1879 | 16 | 501 |
| 6,955 | Duffy, Daniel J., Saint Louis, Mo. Liver-medicine | Jan. 21, 1879 | 15 | 59 |
| 7,731 | Duke, Sons & Co., W., Durham, N. C. Cigars, cigarettes, plug and other chewing tobacco, and smoking-tobacco | Oct. 14, 1879 | 16 | 681 |
| 7,780 | Same.....Smoking-tobacco | Dec. 16, 1879 | 16 | 1099 |
| 7,308 | Dukehart & Co., Baltimore, Md. Medicinal preparations from malt | May 20, 1879 | 15 | 781 |
| 7,639 | D'Unger, Robert, Chicago, Ill. Medicinal preparation for the cure of drunkenness | Sept. 2, 1879 | 16 | 411 |
| 7,489 | Dunham Manufacturing Company, Saint Louis, Mo. Baking-powder | July 8, 1879 | 16 | 49 |
| 7,276 | Dunlap, Robert, New York, N. Y. Hats | May 6, 1879 | 15 | 696 |
| 7,410 | Dutoict & Co., P., Brussels, Belgium. Corsets | June 17, 1879 | 15 | 971 |
| 6,974 | Dwight & Co., John, New York, N. Y. Baking-soda, saleratus, and baking-powders | Jan. 28, 1879 | 15 | 87 |
| 7,350 | Eagle Pencil Company, New York, N. Y. Lead-pencil | May 20, 1879 | 15 | 782 |
| 7,429 | Eaton & Son, James, Utica, N. Y. Friction-matches | June 24, 1879 | 15 | 1015 |
| 7,110 | Eccardt, Christian F., Brooklyn, N. Y. Wines | Mar. 18, 1879 | 15 | 390 |
| 7,331 | Eclipse Lubricating Oil Company (limited), Franklin, Pa. Lubricating-oils | May 20, 1879 | 15 | 782 |
| 7,332 | Same.....same | May 20, 1879 | 15 | 782 |
| 7,333 | Same.....same | May 20, 1879 | 15 | 782 |
| 7,334 | Same.....same | May 20, 1879 | 15 | 782 |
| 7,411 | Same.....Lubricating-oils and grease | June 17, 1879 | 15 | 791 |
| 7,682 | Same.....Lubricating-oils | Sept. 16, 1879 | 16 | 501 |
| 7,102 | Eddy & Son, D., Boston, Mass. Refrigerators | Mar. 11, 1879 | 15 | 344 |
| 7,205 | Eddystone Manufacturing Company (limited), Philadelphia, Pa. Prints | Apr. 15, 1879 | 15 | 558 |
| 7,302 | Same.....Dry-goods | May 13, 1879 | 15 | 738 |
| 7,335 | Edmonds & Co., William, jr., Liverpool, England. Malt liquors | May 20, 1879 | 15 | 782 |
| 7,402 | Edwards, Frederick K., Brooklyn, N. Y. Lard and tallow for druggists' use | June 10, 1879 | 15 | 925 |
| 7,048 | Elbling, John, McGregor, Iowa. Cigars | Feb. 25, 1879 | 15 | 249 |
| 7,233 | Eley Brothers (limited), London, England. Cartridges and percussion-caps | Apr. 22, 1879 | 15 | 606 |
| 7,181 | Emerick, Jacob T., Chicago, Ill. Cigars | Apr. 15, 1879 | 15 | 557 |
| 7,520 | Emery, Charles G., Brooklyn, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | July 15, 1879 | 16 | 98 |
| 7,170 | Empire Refining Company (limited), New York, N. Y. Refined petroleum for illuminating purposes | Apr. 8, 1879 | 15 | 508 |
| 7,171 | Same.....same | Apr. 8, 1879 | 15 | 508 |
| 7,172 | Same.....same | Apr. 8, 1879 | 15 | 508 |
| 7,016 | Ephraim, Myer, Flint, Mich. Cigars | Feb. 11, 1879 | 15 | 165 |
| 7,358 | Erkenbrecher, Andrew, Cincinnati, Ohio. Starch for laundry use | May 27, 1879 | 15 | 833 |
| 7,359 | Same.....Preparation of corn-starch | May 27, 1879 | 15 | 833 |
| 7,360 | Same.....Starch for laundry use | May 27, 1879 | 15 | 833 |
| 7,503 | Ertheiler, Philip H., Philadelphia, Pa. Cigarettes | July 15, 1879 | 16 | 97 |
| 7,259 | Estey & Co., J., Brattleborough, Vt. Reed-organs | May 6, 1879 | 15 | 695 |

*List of trade-marks registered during the year* 1879—Continued.

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|---|---|---|---|---|
| 7,260 | Estey & Co., J., Brattleborough, Vt. Reed-organs | May 6, 1879 | 15 | 695 |
| 6,923 | Eureka Clothes Wringing Machine Company, Boston, Mass. Clothes-wringer | Jan. 7, 1879 | 15 | 1 |
| 7,698 | Evans, H. Sugden, Montreal, Quebec, Canada. Tonic medicine | Sept. 23, 1879 | 16 | 547 |
| 7,699 | Same.....Pomades or pomatum for the hair | Sept. 23, 1879 | 16 | 547 |
| 6,956 | Faber, Eberhard, New York, N. Y. Stationery | Jan. 21, 1879 | 15 | 59 |
| 7,547 | Fairchild, Leroy W., New York, N. Y. Gold pens, pencils, pen and pencil cases, &c | July 29, 1879 | 16 | 175 |
| 7,479 | Fargo & Co., C. H., Chicago, Ill. Boots and shoes | July 8, 1879 | 16 | 49 |
| 7,020 | Farina, Johann M., Cologne, Germany. Cologne water | Feb. 11, 1879 | 15 | 165 |
| 7,683 | Farrell, Hiram G., Peoria, Ill. Medicinal compound or liniment | Sept. 16, 1879 | 16 | 501 |
| 7,677 | Farren & Co., J. S., Baltimore, Md. Canned oysters, fruits, and vegetables | Sept. 9, 1879 | 16 | 462 |
| 7,056 | Faulkner & Craighill, Lynchburg, Va. Pure Norwegian cod-liver oil | Mar. 4, 1879 | 15 | 295 |
| 6,957 | Felgner & Son, F. W., Baltimore, Md. Cigars, cigarettes, smoking and chewing tobacco, and snuff | Jan. 21, 1879 | 15 | 59 |
| | Fellows, James I. (*See* Davis & Son & Lawrence and Fellows.) | | | |
| 7,249 | Filer, Henry O., Lyons, N. Y. Horse and cattle powders | Apr. 29, 1879 | 15 | 651 |
| 7,098 | Finch & Co., Joseph S., Pittsburg, Pa. Whisky | Mar. 11, 1879 | 15 | 344 |
| 7,665 | Finlay & Co., G. R., New Orleans, La. Hair-dye | Sept. 9, 1879 | 16 | 461 |
| 7,345 | Fisher & Fairbanks, Boston, Mass. Medicinal preparation for the cure of coughs, consumption, &c | May 20, 1879 | 15 | 782 |
| 7,723 | Fisk, Clark & Flagg, New York, N. Y. Gloves and suspenders | Oct. 14, 1879 | 16 | 681 |
| 7,724 | Same.....Scarfs of light fabrics for gentlemen's wear | Oct. 14, 1879 | 16 | 681 |
| 7,509 | Fite & Moore, Nashville, Tenn. Chewing and smoking tobacco | July 15, 1879 | 16 | 97 |
| 7,734 | Fitzpatrick & Draper, Troy, N. Y. Cigars and cigarettes | Oct. 21, 1879 | 16 | 725 |
| 7,751 | Same.....same | Oct. 28, 1879 | 16 | 767 |
| 7,366 | Fleisher, S. B. and M., Philadelphia, Pa. Skirt-braid | May 27, 1879 | 15 | 834 |
| 7,077 | Fleming, Joseph, Pittsburg, Pa. Fever, ague, and liver pads | Mar. 4, 1879 | 15 | 296 |
| 7,018 | Flesh, A. and D., New York, N. Y. Buttons | Feb. 11, 1879 | 15 | 165 |
| 7,570 | Florence Machine Company, Florence, Mass. Sewing-machines | Aug. 5, 1879 | 16 | 221 |
| 7,057 | Folts, George W., Brooklyn, N. Y. Dyspepsia powders and pills | Mar. 4, 1879 | 15 | 295 |
| 7,518 | Forbes Lithograph Manufacturing Company, Boston, Mass. Cotton goods | July 15, 1879 | 16 | 98 |
| 7,774 | Forbes Lithographic Manufacturing Company, Boston, Mass. Cotton-goods | Nov. 11, 1879 | 16 | 859 |
| 7,373 | Forbes, Robert W., Brooklyn, N. Y. Kerosene-oil | May 27, 1879 | 15 | 834 |
| 6,935 | Foster, Milburn & Co., Buffalo, N. Y. Pills | Jan. 7, 1879 | 15 | 1 |
| 7,336 | Foster, William F., New York, N. Y. Kid gloves | May 20, 1879 | 15 | 782 |
| 7,200 | Foster, William G., Mankato, Minn. Medicated pads and plasters | Apr. 15, 1879 | 15 | 558 |
| 7,239 | Fountain & Hargrave, Carterville, Mo. Pile-salve | Apr. 29, 1879 | 15 | 651 |
| 7,403 | Frankel, David, New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | June 10, 1879 | 15 | 925 |
| 7,266 | Franklin Jewelry Company, Philadelphia, Pa. Artificial precious stones | May 6, 1879 | 15 | 695 |
| 7,667 | Frary Cutlery Company, Bridgeport, Conn. Table-cutlery, pocket-cutlery, and butcher-knives | Sept. 9, 1879 | 16 | 461 |
| 7,521 | Friday, John H., Pittsburg, Pa. Soap | July 22, 1879 | 16 | 141 |
| 6,958 | Friedman, Leonard, New York, N. Y. Leaf-tobacco | Jan. 21, 1879 | 15 | 59 |
| 7,004 | Fritzsche Brothers, Hoboken, N. J., New York, N. Y., and Leipsic, Germany. Essential oils and essences | Feb. 4, 1879 | 15 | 125 |
| 7,386 | Fuchs, Gustav, assignor to McCoy & Co., New York, N. Y. Cigars | June 3, 1879 | 15 | 883 |
| 7,270 | Gaff & Co., J. W., Cincinnati, Ohio. Whisky | May 6, 1879 | 15 | 695 |
| 7,273 | Same.....same | May 6, 1879 | 15 | 696 |
| 7,563 | Gaff & Co., T. & J. W., Aurora, Ind. Whisky | Aug. 5, 1879 | 16 | 221 |
| 7,442 | Gallagher, Christopher, Philadelphia, Pa. Rye whisky | June 24, 1879 | 15 | 1016 |
| | Gallet, Leon L. (*See* Perret, Charles, assignor.) | | | |
| 7,036 | Gallup & Hewitt, Norwich, Conn. Soap | Feb. 18, 1879 | 15 | 201 |
| 7,469 | Gardiner, James M., New York, N. Y. Plug chewing and smoking tobacco | July 1, 1879 | 16 | 2 |
| 7,546 | Geiser Manufacturing Company, Waynesborough, Pa. Grain separators, cleaners, and baggers | July 22, 1879 | 16 | 142 |
| 7,119 | George & Co., P. T., Baltimore, Md. Hams and bacon | Mar. 18, 1879 | 15 | 390 |
| 6,924 | Gerry & Co., Samuel, Providence, R. I. Medicinal preparation | Jan. 7, 1879 | 15 | 1 |
| 6,959 | Ghirardelli, Domingo, San Francisco, Cal. Mustard and ground spices | Jan. 21, 1879 | 15 | 59 |
| 7,490 | Gibbs, William, London, England. Medicinal preparations for preventing sea-sickness | July 8, 1879 | 16 | 49 |
| 7,729 | Ginter, Lewis, Richmond, Va. Smoking and chewing tobacco and cigarettes | Oct. 14, 1879 | 16 | 681 |
| 7,595 | Gladding & Son, John, Philadelphia, Pa. Diaries | Aug. 19, 1879 | 16 | 319 |
| 7,068 | Glazier, Franklin, Hartford, Conn. Satinets and cassimeres | Mar. 4, 1879 | 15 | 295 |
| 7,103 | Glen Cove Starch Manufacturing Company, Glen Cove, N. Y. Corn-flour | Mar. 11, 1879 | 15 | 344 |
| 7,104 | Same.....same | Mar. 11, 1879 | 15 | 344 |
| 7,105 | Same.....same | Mar. 11, 1879 | 15 | 344 |
| 7,605 | Same.....Starch for laundry use | Aug. 19, 1879 | 16 | 319 |
| 7,548 | Goetchius & Worden, Syracuse, N. Y. Dyspepsia-remedy | July 29, 1879 | 16 | 175 |
| 7,717 | Goldmark, Adolph, and L. Rosenstein, New York, N. Y., and H. Sellmann, Hoboken, N. J. Sardines | Oct. 7, 1879 | 16 | 633 |
| 7,309 | Goldsmith, Howard, Boston, Mass. Sausage-meat and sausages | May 20, 1879 | 15 | 781 |
| 7,235 | Gooch, D. Linn, Ironton, Ohio. Cough-sirup | Apr. 22, 1879 | 15 | 606 |
| 7,510 | Goodchild, R. A., New York, N. Y. Compound for tempering and refining steel | July 15, 1879 | 16 | 97 |
| 7,045 | Goodwin & Co., New York, N. Y. Smoking and chewing tobacco, cigars, and cigarettes | Feb. 25, 1879 | 15 | 249 |
| 7,274 | Same.....Cigarettes and chewing-tobacco | May 6, 1879 | 15 | 696 |
| 7,291 | Same.....Chewing and smoking tobacco, cigars, and cigarettes | May 13, 1879 | 15 | 737 |
| 7,370 | Same.....Cigars, cigarettes, and smoking and chewing tobacco | May 27, 1879 | 15 | 834 |
| 7,722 | Same.....Cigars, cigarettes, and chewing and smoking tobacco | Oct. 7, 1879 | 16 | 633 |
| 7,070 | Goodwin & Co., William W., Philadelphia, Pa. Gas-stoves | Mar. 4, 1879 | 15 | 295 |
| 7,292 | Goodwin & Sons, Charles T., New York, N. Y. Bread, crackers, and biscuit | May 13, 1879 | 15 | 737 |
| 7,149 | Goodyear's India Rubber Glove Manufacturing Company, Naugatuck, Conn., and New York, N. Y. Gloves | Apr. 1, 1879 | 15 | 465 |
| 7,505 | Gordon & Campbell, Detroit, Mich. Cigars | July 15, 1879 | 16 | 97 |
| 6,982 | Gossage & Sons, William, Widnes and Liverpool, England. Silicate-of-soda solutions, &c | Jan. 28, 1879 | 15 | 87 |
| 7,162 | Goumas & Co., P., Paris, France. Musical instruments | Apr. 8, 1879 | 15 | 507 |
| 7,690 | Granulated Soap Company, Newark, N. J. Granulated soap | Sept. 16, 1879 | 16 | 501 |
| 7,576 | Graves & Sons, C. H., Boston, Mass. Punch | Aug. 12, 1879 | 16 | 269 |
| 7,577 | Gray, Elizabeth A., New York, N. Y. Articles of stationery | Aug. 12, 1879 | 16 | 269 |
| 7,511 | Gregory & Co., O. P., Richmond, Va. Plug chewing-tobacco | July 15, 1879 | 16 | 97 |
| | Griffith, Edwin A. (*See* Griffith, Joseph B. and E. A.) | | | |
| 7,593 | Griffith, Joseph B. and E. A., Madison, Conn. Medicinal preparation | Aug. 19, 1879 | 16 | 319 |
| 7,107 | Grillon, Ernest, Paris, France. Medicated fruit | Mar. 11, 1879 | 15 | 344 |
| 7,432 | Guittard & Co., Etienne, San Francisco, Cal. Roasted coffee and roasted and ground coffee | June 24, 1879 | 15 | 1015 |
| 6,991 | Guittard, Etienne, San Francisco, Cal. Roasted and ground coffee | Feb. 4, 1879 | 15 | 125 |
| 6,992 | Same.....Baking-powders | Feb. 4, 1879 | 15 | 125 |
| 6,993 | Same.....Coffee | Feb. 4, 1879 | 15 | 125 |
| 6,994 | Same.....Roasted and ground coffee | Feb. 4, 1879 | 15 | 125 |
| 7,129 | Same.....same | Mar. 25, 1879 | 15 | 428 |
| 7,130 | Same.....same | Mar. 25, 1879 | 15 | 428 |
| 7,173 | Same.....Tea | Apr. 8, 1879 | 15 | 508 |
| 7,559 | Gulden, Charles, New York, N. Y. Mustard | Aug. 5, 1879 | 16 | 221 |
| 7,182 | Gutman & Co., Joel, Baltimore, Md. Kid gloves | Apr. 15, 1879 | 15 | 557 |

*List of trade-marks registered during the year* 1879—Continued.

| No. | Name, residence, and title. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| 6,925 | Gutman, Leo, Grand Rapids, Mich. Cigars | Jan. 7, 1879 | 15 | 1 |
| 7,327 | Hagerstown Agricultural Implement Manufacturing Company, Hagerstown, Md. Clover-machines | May 20, 1879 | 15 | 782 |
| 7,374 | Hall, Alfred H., and S. L. Hodgman, Boston, Mass. Troches or lozenges | May 27, 1879 | 15 | 834 |
| | Hall, Willis E. (*See* Brown & Hall.) | | | |
| 7,300 | Hamburg Ague Pad Company, Saint Louis, Mo. Fever-and-ague and liver pads | May 13, 1879 | 15 | 738 |
| 6,983 | Hamilton, Robert, Covington, Ky. Fine-cut chewing-tobacco | Jan. 28, 1879 | 15 | 87 |
| 7,668 | Hanlon & Goodman, New York, N. Y. Brushes made of bristles | Sept. 9, 1879 | 16 | 461 |
| 7,156 | Hardy, Charles S., Cambridge, Mass. Medicinal preparation | Apr. 8, 1879 | 15 | 507 |
| 7,183 | Harris, David, Rochester, N. Y. Cigars | Apr. 15, 1879 | 15 | 557 |
| 7,100 | Hart & Myers, Lancaster, Pa. Bitters | Mar. 11, 1879 | 15 | 344 |
| 7,631 | Harter Medicine Company, Saint Louis, Mo. Medicinal preparations | Aug. 26, 1879 | 16 | 362 |
| 7,271 | Hatry, Joseph A., Brooklyn, N. Y. Medicinal pad or cushion | May 6, 1879 | 15 | 696 |
| 7,272 | Same.....same | May 6, 1879 | 15 | 696 |
| 7,361 | Heaton, Amelia A., Binghamton, N. Y. Lotions for the skin and hair | May 27, 1879 | 15 | 833 |
| 7,229 | Heintzelman, Joseph A., Philadelphia, Pa. Druggists' or medicinal preparations | Apr. 22, 1879 | 15 | 606 |
| 7,464 | Hellings, Jolly L., and J. B. Wilson, Philadelphia, Pa. Fertilizers | July 1, 1879 | 16 | 2 |
| 7,346 | Helming, Wolf & Co., Cincinnati, Ohio. Boots and shoes | May 20, 1879 | 15 | 782 |
| 7,422 | Hemingway, Henry W., London, Middlesex County, England. Insect-poison | June 17, 1879 | 15 | 972 |
| 7,569 | Henriet & Co., Reims, France. Sparkling wines | Aug. 5, 1879 | 16 | 221 |
| 7,761 | Herkner, Henry F., New York, N. Y. Fire-hose | Oct. 28, 1879 | 16 | 767 |
| 7,211 | Hesselroth, Lawrence, and J. O. Camph, Chicago, Ill. Veterinary medicines | Apr. 22, 1879 | 15 | 605 |
| 7,261 | Hewson, James, Kansas City, Mo. Baking-powder | May 6, 1879 | 15 | 695 |
| 7,502 | Heyman Brothers & Lowenstein, New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | July 15, 1879 | 16 | 97 |
| 7,125 | Heynemann & Co., San Francisco, Cal. Clothing, such as overalls, blouses, &c | Mar. 18, 1879 | 15 | 390 |
| | Higbie, William H. (*See* Concher, Whitlow, Ramsey & Higbie.) | | | |
| 7,328 | Higgins, Charles S., Brooklyn, N. Y. Toilet-soap | May 20, 1879 | 15 | 782 |
| 7,190 | Hill & Davis, Pittsburg, Pa. Medicinal compound for the cure of dyspepsia | Apr. 15, 1879 | 15 | 557 |
| 7,038 | Hilsen, Edward, New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | Feb. 18, 1879 | 15 | 201 |
| 7,473 | Hirsch & Co., D., New York, N. Y. Cigarettes and smoking and chewing tobacco | July 1, 1879 | 16 | 2 |
| 7,451 | Hirschberg, H., Saint Louis, Mo. Spectacles and eyeglasses | July 1, 1879 | 16 | 1 |
| 7,347 | Hirschhorn & Co., L., New York, N. Y. Cigars | May 20, 1879 | 15 | 782 |
| 7,452 | Same.....same | July 1, 1879 | 16 | 1 |
| 7,655 | Same.....Cigars, cigarettes, and chewing and smoking tobacco | Sept. 9, 1879 | 16 | 461 |
| 7,078 | Hobbs, Richard M., New York, N. Y. Toilet-powders | Mar. 4, 1879 | 15 | 296 |
| | Hodgman, Samuel L. (*See* Hall & Hodgman.) | | | |
| 7,212 | Hoff, Johann, Berlin, Germany. Malt extracts and malt-extract preparations | Apr. 22, 1879 | 15 | 605 |
| 7,594 | Hoffheimer, Abraham, Cincinnati, Ohio, assignor to Bernheimer Brothers & Co., Paducah, Ky. Whisky | Aug. 19, 1879 | 16 | 319 |
| 7,192 | Hoffman & Son, J. G., Wheeling, W. Va. Leather | Apr. 15, 1879 | 15 | 557 |
| 7,669 | Holbrook, Edwin W., New York, N. Y. Kerosene-wicks | Sept. 9, 1879 | 16 | 461 |
| 7,168 | Holbrook Manufacturing Company, New York, N. Y. Bleaching compound | Apr. 8, 1879 | 15 | 508 |
| 7,005 | Holl & Son, B. F., Philadelphia, Pa. Whisky | Feb. 4, 1879 | 15 | 126 |
| 7,025 | Hollender, Friedrich, New York, N. Y. Lager-beer and ale | Feb. 11, 1879 | 15 | 165 |
| 7,310 | Same.....Lager-beer | May 20, 1879 | 15 | 781 |
| 7,539 | Same.....same | July 22, 1879 | 16 | 142 |
| 7,646 | Holloway, Thomas, Tittenhurst, Sunninghill, Berks County, England. Pills | Sept. 2, 1879 | 16 | 411 |
| 7,647 | Same.....Ointment | Sept. 2, 1879 | 16 | 412 |
| 7,648 | Same.....same | Sept. 2, 1879 | 16 | 412 |
| 7,649 | Same.....same | Sept. 2, 1879 | 16 | 412 |
| 7,650 | Same.....same | Sept. 2, 1879 | 16 | 412 |
| 7,651 | Same.....Pills and ointment | Sept. 2, 1879 | 16 | 412 |
| 7,585 | Holmes, Booth & Haydens, Waterbury, Conn. Rivets, burrs, and chains | Aug. 12, 1879 | 16 | 269 |
| 3,787 | Holmes, Clay W., Elmira, N. Y. Toilet preparation | June 3, 1879 | 15 | 883 |
| 7,275 | Holmes, William H., Pittsburg, Pa. Whisky | May 6, 1879 | 15 | 696 |
| 7,436 | Hooven & Allison, Xenia and Zanesville, Ohio. Twines and cordage | June 24, 1879 | 15 | 1016 |
| | Horning, Horace L. (*See* Horning, Sarah and H. L.) | | | |
| 7,620 | Horning, Sarah and H. L., Penfield, Pa. Medicinal preparation | Aug. 26, 1879 | 16 | 362 |
| 6,926 | Howard, Sanger & Co., New York, N. Y. Shoe-button | Jan. 7, 1879 | 15 | 1 |
| 6,995 | Howes, Babcock & Co., Silver Creek, N. Y. Smut-machines and grain-separators | Feb. 4, 1879 | 15 | 125 |
| | Hoyt & Co., Thomas. (*See* Waters, Isaac S., assignor.) | | | |
| 7,250 | Hoyt, Franklin, Philadelphia, Pa. Cologne | Apr. 29, 1879 | 15 | 652 |
| | Hubbard, Lester C. (*See* Cauldwell & Hubbard.) | | | |
| 7,512 | Hucks, Lambert & Greene, San Francisco, Cal. Axle-grease | July 15, 1879 | 16 | 97 |
| | Hughson, Benjamin F. (*See* Baxter & Hughson.) | | | |
| 7,525 | Hull, Charles B., Detroit, Mich. Fine-cut chewing, smoking, and plug tobacco | July 22, 1879 | 16 | 141 |
| 7,115 | Hunt, Charles W., West New Brighton, N. Y. Cordage | Mar. 18, 1879 | 15 | 390 |
| | Hurlbut, Frederick E. (*See* Lucas & Hurlbut.) | | | |
| 7,246 | Hussey, John C., Cincinnati, Ohio. Whisky | Apr. 29, 1879 | 15 | 651 |
| 7,566 | Hutchinson, Matthew, Jersey City Heights, N. J. Cigars | Aug. 5, 1879 | 16 | 221 |
| 7,693 | Hutchison & Brother, Atlanta, Ga. Medicine for the cure of neuralgia and headache | Sept. 23, 1879 | 16 | 547 |
| 7,578 | Hutton, David W. J., Camden, N. J. Shirts, drawers, overalls, engineers' jackets, and bathing-suits | Aug. 12, 1879 | 16 | 269 |
| 6,986 | Hyatt & Clark, Cockeysville, Md. Whisky | Jan. 28, 1879 | 15 | 87 |
| 7,012 | Imbs, Meyer & Co., Saint Louis, Mo. Flour | Feb. 11, 1879 | 15 | 165 |
| 7,226 | Ithaca Agricultural Works, Ithaca, N. Y. Horse hay-rakes | Apr. 22, 1879 | 15 | 606 |
| 7,453 | Ives, Beecher & Co., New York, N. Y. Whisky | July 1, 1879 | 16 | 1 |
| 7,454 | Same.....same | July 1, 1879 | 16 | 1 |
| 7,046 | Jackson, E. F., Boston, Mass. Flour | Feb. 25, 1879 | 15 | 249 |
| 7,047 | Jacoby & Co., S., New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | Feb. 25, 1879 | 15 | 249 |
| 7,311 | Jacoby & Co., Morris, New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | May 20, 1879 | 15 | 781 |
| 7,312 | Same.....same | May 20, 1879 | 15 | 781 |
| 7,313 | Same.....same | May 20, 1879 | 15 | 781 |
| 7,314 | Same.....same | May 20, 1879 | 15 | 781 |
| 7,315 | Same.....same | May 20, 1879 | 15 | 781 |
| 7,316 | Same.....same | May 20, 1879 | 15 | 781 |
| 7,526 | Same.....same | July 22, 1879 | 16 | 141 |
| 7,764 | Same.....same | Nov. 4, 1879 | 16 | 811 |
| 7,145 | Jahne & Co., Jersey City, N. J. Salves and pills | Apr. 1, 1879 | 15 | 465 |
| 7,718 | Jaquet & Co., G., New Orleans, La. Fine-cut chewing and smoking tobacco | Oct. 7, 1879 | 16 | 633 |
| 7,634 | Jarves & Hooper, Detroit, Mich. Fertilizers | Sept. 2, 1879 | 16 | 411 |
| 7,247 | Jenkins & Brother, F. W., Pittsburg, Pa., and New York, N. Y. Bread-raising preparation | Apr. 29, 1879 | 15 | 651 |
| 7,614 | Jenkins, Raymond, Brooklyn, N. Y. Cigars and cigarettes | Aug. 26, 1879 | 16 | 362 |
| 7,767 | Jennings, Abraham G., Brooklyn, N. Y. Hair-nets and other reticulated fabrics | Nov. 4, 1879 | 16 | 811 |

*List of trade-marks registered during the year* 1879—Continued.

| No. | Name, residence, and title. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| 7,293 | Jerman, Charles A., Fort Wayne, Ind. Medical compound | May 13, 1879 | 15 | 738 |
| 6,945 | Jervey, William E., New York, N. Y. Toilet preparation for the hair and head | Jan. 14, 1879 | 15 | 33 |
| 6,962 | Jessup & Laffin, Westfield, Mass. Record and ledger papers | Jan. 21, 1879 | 15 | 59 |
| 6,963 | Same.....same | Jan. 21, 1879 | 15 | 59 |
| 6,946 | Jewett & Sherman Company, Milwaukee, Wis. Spices and mustard | Jan. 14, 1879 | 15 | 33 |
| 6,947 | Same.....same | Jan. 14, 1879 | 15 | 33 |
| 6,948 | Same.....same | Jan. 14, 1879 | 15 | 33 |
| 6,984 | Jordan, Roscoe M., Auburn, Me. Spool-cotton | Jan. 28, 1879 | 15 | 87 |
| 6,927 | Juhn, M., Baltimore, Md. Gentlemen's shirts and drawers | Jan. 7, 1879 | 15 | 1 |
| 7,397 | Kalman Brothers, Chicago, Ill., and Milwaukee, Wis. Cigars | June 10, 1879 | 15 | 925 |
| 7,732 | Kaoka Manufacturing Company, St. Thomas, Ontario, Canada. Beverage termed "Homeopathic Coffee" | Oct. 14, 1879 | 16 | 681 |
| 6,949 | Keasbey & Mattison, Philadelphia, Pa. Medicinal preparation | Jan. 14, 1879 | 15 | 33 |
| 7,227 | Keck Provision and Packing Company, Cincinnati, Ohio. Hams | Apr. 22, 1879 | 15 | 606 |
| 6,928 | Keller & Hainbach, Providence, R. I. Fluid-glue | Jan. 7, 1879 | 15 | 1 |
| 7,506 | Kelly & Co., James R., San Francisco, Cal. Illuminating-oils | July 15, 1879 | 16 | 97 |
| 7,622 | Kelly, Horace R., New Brighton, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | Aug. 26, 1879 | 16 | 362 |
| 7,735 | Same.....same | Oct. 21, 1879 | 16 | 725 |
| 7,736 | Same.....same | Oct. 21, 1879 | 16 | 725 |
| 7,416 | Kelly, William E., New Brunswick, N. J. Steam-pumps, vacuum-pumps, tubular and other plunger-pumps, &c | June 17, 1879 | 15 | 971 |
| 7,486 | Kendall, Thaddeus R., and L. Clock, Binghamton, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | July 8, 1879 | 16 | 49 |
| 7,116 | Kennedy, Thomas W., Newark, N. J. Salves, ointments, &c | Mar. 18, 1879 | 15 | 390 |
| 7,443 | Kent & Co., George A., Binghamton, N. Y. Cigars | June 24, 1879 | 15 | 1016 |
| 7,474 | Kentucky Wagon Manufacturing Company, Louisville, Ky. Farm and road wagons | July 1, 1879 | 16 | 2 |
| 6,975 | Kerbs & Spiess, New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | Jan. 28, 1879 | 15 | 87 |
| 7,213 | Same.....same | Apr. 22, 1879 | 15 | 605 |
| 7,280 | Same.....same | May 13, 1879 | 15 | 737 |
| 7,414 | Same.....same | June 17, 1879 | 16 | 971 |
| 7,560 | Same.....same | Aug. 5, 1879 | 15 | 221 |
| 7,143 | Kiefer, Stifel & Co., Allegheny, Pa. Leather | Apr. 1, 1879 | 15 | 465 |
| 7,290 | King, James L., Springfield, Ill. Medicated confection | May 13, 1879 | 15 | 737 |
| 6,929 | King & Whitman, New York, N. Y. Cigars and cheroots | Jan. 7, 1879 | 15 | 1 |
| 7,140 | Kingsley, Charles B., Northampton, Mass. Cough and croup sirup | Apr. 1, 1879 | 15 | 465 |
| 7,554 | Kirk & Co., H. B., New York, N. Y. Whisky | July 29, 1879 | 16 | 175 |
| 6,970 | Kirk & Co., James S., Chicago, Ill. Soap | Jan. 21, 1879 | 15 | 59 |
| 6,971 | Same.....same | Jan. 21, 1879 | 15 | 59 |
| 7,705 | Same.....Laundry-soap | Sept. 30, 1879 | 16 | 589 |
| 7,706 | Same.....Soap | Sept. 30, 1879 | 16 | 589 |
| 7,376 | Kirkpatrick & Co., New Orleans, La. Leaf-tobacco | June 3, 1879 | 15 | 883 |
| 7,670 | Knapp, John S., Baltimore, Md. Food for animals | Sept. 9, 1879 | 16 | 461 |
| 7,058 | Knauss, J. Herman, Chicago, Ill. Baking-powder | Mar. 4, 1879 | 15 | 295 |
| 7,487 | Knickerbocker, Welthan A. L., Brooklyn, N. Y. Certain toilet preparations | July 8, 1879 | 16 | 49 |
| 7,329 | Knox & Co., R. C., Chicago, Ill. Certain medical compounds | May 20, 1879 | 15 | 782 |
| 7,628 | Kohlberg & Co., M. P., San Francisco, Cal. Cigars | Aug. 26, 1879 | 16 | 362 |
| 7,766 | Korbel & Brothers, F., San Francisco, Cal. Cheese | Nov. 4, 1879 | 16 | 811 |
| 7,267 | Krohn, Feiss & Co., Cincinnati, Ohio. Cigars | May 6, 1879 | 15 | 695 |
| 7,694 | Kuttnauer, Louis, Detroit, Mich. Cigars | Sept. 23, 1879 | 16 | 547 |
| 7,184 | Lake Superior Iron Ore Paint Company, Cleveland, Ohio. Mineral paint | Apr. 15, 1879 | 15 | 557 |
| 7,404 | Lanahan & Son, William, Baltimore, Md. Whisky | June 10, 1879 | 15 | 925 |
| 7,586 | Landers, Frary & Clark, New Britain, Conn. Table-cutlery, pocket-cutlery, and butcher-knives | Aug. 12, 1879 | 16 | 269 |
| 7,268 | Langlés & Co., Justin J., New Orleans, La. Crackers, biscuits, &c | May 6, 1879 | 15 | 695 |
| 7,079 | Langley, James H., New York, N. Y. Blood-purifier and fattening remedy | Mar. 4, 1879 | 15 | 296 |
| 7,666 | Larkin & Co., J. D., Buffalo, N. Y. Washing compound | Sept. 9, 1879 | 16 | 461 |
| 7,153 | Lathrop & Leigh, Richmond, Va. Whisky | Apr. 1, 1879 | 15 | 466 |
| 6,960 | Lantz, Brothers & Co., Buffalo, N. Y. Soap | Jan. 21, 1879 | 15 | 59 |
| 7,629 | Lavenson, Winter & Co., San Francisco, Cal. Candles | Aug. 26, 1879 | 16 | 362 |
| 7,788 | Lechner, Val, San Francisco, Cal. Medicinal compound for the cure of fever and ague | Dec. 30, 1879 | 16 | 1190 |
| 7,262 | Leidersdorf & Co., B., Milwaukee, Wis. Cigars | May 6, 1879 | 15 | 695 |
| 7,337 | Same.....Smoking and chewing tobacco | May 20, 1879 | 15 | 782 |
| 7,656 | Same.....Cigarettes | Sept. 9, 1879 | 16 | 461 |
| 6,936 | Leisy & Co., Isaac, Cleveland, Ohio. Lager-beer | Jan. 7, 1879 | 15 | 2 |
| 6,987 | Libby & Spier, Glens Falls, N. Y. Shirts, collars, and cuffs | Jan. 28, 1879 | 15 | 87 |
| 7,080 | Lichtenstein & Brother, A., New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | Mar. 4, 1879 | 15 | 296 |
| 7,117 | Lichtenstein Brothers & Co., New York, N. Y. Smoking and chewing tobacco, cigars, cigarettes, and snuff | Mar. 18, 1879 | 15 | 390 |
| 7,167 | Lidgerwood Manufacturing Company (limited), New York, N. Y. Thread | Apr. 8, 1879 | 15 | 508 |
| 7,244 | Same.....same | Apr. 29, 1879 | 15 | 651 |
| 7,093 | Liebenroth, Von Auw & Co., New York, N. Y. Needles | Mar. 11, 1879 | 15 | 344 |
| 7,140 | Same.....same | Apr. 1, 1879 | 15 | 465 |
| 7,371 | Limousin, Stanislas, Paris, France. Capsuled medicines | May 27, 1879 | 15 | 834 |
| 7,154 | Lincoln, Francis S. and T. M., Providence, R. I. Soap | Apr. 1, 1879 | 15 | 466 |
| | Lincoln, Thomas M. (*See* Lincoln, Francis S. and T. M.) | | | |
| 7,480 | Lindheim, Moses, New York, N. Y. Smoking and chewing tobacco, cigars, and cigarettes | July 8, 1879 | 16 | 49 |
| 7,481 | Link & Son, F., New York, N. Y. Hams, bacon, and other smoked meats | July 8, 1879 | 16 | 49 |
| 7,150 | Linneman, Henry J., Saint Louis, Mo. Neat's-foot oil | Apr. 1, 1879 | 15 | 465 |
| 7,437 | Lipps, Christopher, Baltimore, Md. Soap | June 24, 1879 | 15 | 1016 |
| 7,623 | Same.....same | Aug. 26, 1879 | 16 | 362 |
| 7,624 | Same.....same | Aug. 26, 1879 | 16 | 362 |
| 7,377 | Lloyd, Henry, Cincinnati, Ohio. Liniment | June 3, 1879 | 15 | 883 |
| 7,388 | Lloyd, John, Harleigh, Pa. Hair-restorer | June 3, 1879 | 15 | 883 |
| 7,163 | Lockwood, John L., New York, N. Y. Mineral waters | Apr. 8, 1879 | 15 | 507 |
| 7,606 | Loeb & Brothers, Philadelphia, Pa. Calf-skins and kips | Aug. 19, 1879 | 16 | 319 |
| 7,730 | Loewer, Valentin, New York, N. Y. Lager-beer | Oct. 14, 1879 | 16 | 861 |
| 7,021 | London Manufacturing Company, New York, N. Y. Essences of meat | Feb. 11, 1879 | 15 | 165 |
| 7,118 | Long & Co., Beaumont, Tex. Shingles | Mar. 18, 1879 | 15 | 390 |
| 7,522 | Loonen & Son, F., Paris, France. Toilet and other brushes | July 22, 1879 | 16 | 141 |
| 7,230 | Lord, Victor, Odessa, Del. Fertilizers | Apr. 22, 1879 | 15 | 606 |
| 7,455 | Lorentz & Rittler, Baltimore, Md. Fertilizing compositions or compounds | July 1, 1879 | 16 | 1 |
| 7,240 | Lowenthal & Co., S., Cincinnati, Ohio. Cigars | Apr. 29, 1879 | 15 | 651 |
| 7,245 | Same.....same | Apr. 29, 1879 | 15 | 651 |
| 7,241 | Lucas, Frederick A., and F. E. Hurlbut, West Goshen, Conn. Cheese | Apr. 29, 1879 | 15 | 651 |
| 7,081 | Lusk & Co., J., Oakland, Cal. Sauces | Mar. 4, 1879 | 15 | 296 |
| | Lux, Charles. (*See* Newth & Lux.) | | | |

*List of trade-marks registered during the year* 1879—Continued.

| No. | Name, residence, and title. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| 7,482 | Lyon, Edward, New York, N. Y. Cotton goods | July 8, 1879 | 16 | 49 |
| 6,930 | Macniven & Cameron, Edinburgh, Great Britain. Pens | Jan. 7, 1879 | 15 | 1 |
| 7,456 | Macniven & Cameron, Edinburgh, Mid-Lothian, Great Britain. Metallic pens | July 1, 1879 | 16 | 1 |
| 7,457 | Same ..... same | July 1, 1879 | 16 | 1 |
| 7,458 | Same ..... same | July 1, 1879 | 16 | 1 |
| 7,653 | Macy & Molloy, New York, N. Y. Umbrellas and parasols | Sept. 2, 1879 | 16 | 412 |
| 7,338 | Mahn, Louis H., Jamaica Plain, Mass. Base-balls | May 20, 1879 | 15 | 782 |
| 7,572 | Mahoney, J. & E., Portsmouth, Va. Whisky | Aug. 5, 1879 | 16 | 221 |
| 7,528 | Maillard, Henry, New York, N. Y. Dietetic cocoa | July 22, 1879 | 16 | 141 |
| 7,599 | Mandelbaum, Herman, New York, N. Y. Cut smoking-tobacco | Aug. 19, 1879 | 16 | 319 |
| 6,931 | Marburg Brothers, Baltimore, Md. Chewing and smoking tobacco, cigars, cigarettes, and snuff | Jan. 7, 1879 | 15 | 1 |
| 7,446 | Same ..... Smoking-tobacco | July 1, 1879 | 16 | 1 |
| 7,447 | Same ..... Smoking and fine-cut chewing-tobacco, cigars, cigarettes, and snuff | July 1, 1879 | 16 | 1 |
| 7,549 | Same ..... Smoking-tobacco and paper-cigarettes | July 29, 1879 | 16 | 175 |
| 7,740 | Same ..... Smoking and fine-cut chewing-tobacco, cigars, cigarettes, and snuff | Oct. 21, 1879 | 16 | 725 |
| 7,433 | Marshall & Co., Leeds, York County, and Shrewsbury, Shropshire County, England. Sewing-thread | June 24, 1879 | 15 | 1015 |
| 7,725 | Same ..... Linen thread | Oct. 14, 1879 | 16 | 681 |
| 6,996 | Marshall, Louise F., New York, N. Y. Cosmetics | Feb. 4, 1879 | 15 | 125 |
| 7,430 | Martin, Joseph W., Rahway, N. J. Smoking and chewing tobacco and cigarettes | June 24, 1879 | 15 | 1015 |
| 7,448 | Marzh, William A., Cincinnati, Ohio. Laundry and toilet soaps | July 1, 1879 | 16 | 1 |
| 7,540 | Mason, Henry H., Springfield, Vt. Mop-holders | July 22, 1879 | 16 | 142 |
| 7,603 | Massman & Co., Isaac, Philadelphia, Pa. Whisky | Aug. 19, 1879 | 16 | 319 |
| 7,214 | Mast, Foos & Co., Springfield, Ohio. Lawn-mowers | Apr. 22, 1879 | 15 | 605 |
| 7,496 | Same ..... Pumps | July 8, 1879 | 16 | 50 |
| 7,352 | Mather Brothers, Albany, N. Y. Petroleum for illuminating and lubricating purposes | May 27, 1879 | 15 | 833 |
| 7,059 | Mathewson & Son, J. R., Providence, R. I. Medical compound | Mar. 4, 1879 | 15 | 295 |
| 7,322 | Matthiessen & Wiechers Sugar Refining Company, F. O., Jersey City, N. J. Soft sugar | May 20, 1879 | 15 | 782 |
| 7,618 | Maverick Oil Company, Boston, Mass. Illuminating-oils | Aug. 26, 1879 | 16 | 362 |
| 6,932 | Mayhew & Co., H. H., Shelburne, Mass. Bits, gimlets, and other wood-boring implements | Jan. 7, 1879 | 15 | 1 |
| 7,527 | Maynard, Edwin, and F. A. Wichelman, Chicago, Ill. Ground and crushed pop-corn | July 22, 1879 | 16 | 141 |
| 7,537 | Mayo & Watson, Richmond, Va. Chewing and smoking tobacco and cigarettes | July 22, 1879 | 16 | 142 |
| | McCoy & Co. (*See* Fuchs, Gustav, assignor.) | | | |
| 6,998 | McCoy & Co., New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | Feb. 4, 1879 | 15 | 125 |
| 7,657 | McCoy, Frank, New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | Sept. 9, 1879 | 16 | 461 |
| 7,611 | McCrea, Healy & Co., New York, N. Y. Linen goods, curtain-muslins, and linings (excepting wigans) | Aug. 26, 1879 | 16 | 362 |
| 7,700 | McCreedy, Charles O., Ballston Spa, N. Y. Remedy for the cure of corns, bunions, &c | Sept. 23, 1879 | 16 | 547 |
| 7,746 | McCurdy, William, Stockton, Cal. Medical compound | Oct. 21, 1879 | 16 | 725 |
| 6,985 | McLain, James, Baltimore, Md. Iron-ore paint | Jan. 28, 1879 | 15 | 87 |
| 7,756 | McNair, David, New York, N. Y. Medicine for coughs, colds, &c | Oct. 28, 1879 | 16 | 767 |
| 7,658 | Meginniss, C. George, Baltimore, Md. Shirts | Sept. 9, 1879 | 16 | 461 |
| 7,659 | Same ..... same | Sept. 9, 1879 | 16 | 461 |
| 7,660 | Same ..... same | Sept. 9, 1879 | 16 | 461 |
| 7,661 | Same ..... same | Sept. 9, 1879 | 16 | 461 |
| 7,662 | Same ..... same | Sept. 9, 1879 | 16 | 461 |
| 7,663 | Same ..... same | Sept. 9, 1879 | 16 | 461 |
| 7,389 | Messinger, Charles R., Toledo, Ohio. Chewing-tobacco | June 3, 1879 | 15 | 883 |
| 7,340 | Mette & Kanne, Saint Louis, Mo. Bitters | May 20, 1879 | 15 | 782 |
| 7,428 | Meyer, Bain & Co., Saint Louis, Mo. Laundry-blue | June 24, 1879 | 15 | 1015 |
| 7,011 | Meyer Brothers & Co., Saint Louis, Mo. Perfumery, cosmetics, hair-oils, &c | Feb. 4, 1879 | 15 | 126 |
| 7,684 | Same ..... Fever-tonic | Sept. 16, 1879 | 16 | 501 |
| 7,086 | Meyer & Co., Adolph, Cincinnati, Ohio. Boots and shoes | Mar. 11, 1879 | 15 | 344 |
| 7,069 | Miles & Co., William A., New York, N. Y. Ale | Mar. 4, 1879 | 15 | 295 |
| 7,475 | Miller & Co. Tobacco Manufactory, G. B., New York, N. Y. Smoking and chewing tobacco | July 1, 1879 | 16 | 2 |
| 6,997 | Miller & Worley, Saint Louis, Mo. Plug-tobacco | Feb. 4, 1879 | 15 | 125 |
| 7,671 | Mitchell, Fletcher & Co., Philadelphia, Pa. Canned fruits, vegetables, and oysters | Sept. 9, 1879 | 16 | 462 |
| 7,341 | Mojarrieta & Co., A. H., New York, N. Y. Flour | May 20, 1879 | 15 | 782 |
| 7,032 | Montgomery, Joseph, Baltimore, Md. Grain-fan | Feb. 18, 1879 | 15 | 201 |
| 7,126 | Moore, R. L., Spring Valley, Minn. Remedy for dyspepsia, liver-complaint, &c | Mar. 18, 1879 | 15 | 390 |
| 7,638 | Morgan, Robert W., Lynchburg, Va. Chewing-tobacco and snuff | Sept. 2, 1879 | 16 | 411 |
| 7,255 | Morison & Hutchinson, New York, N. Y. Shirt-waists and drawers | May 6, 1879 | 15 | 695 |
| 7,513 | Moritz & Keidel, Baltimore, Md. Hoes | July 15, 1879 | 16 | 97 |
| 7,753 | Moses & De Leon, Norfolk, Va. Ammoniated fertilizers | Oct. 28, 1879 | 16 | 767 |
| 7,555 | Mouron, Julius, Sonora, Cal. Fever-and-ague medicine | July 29, 1879 | 16 | 175 |
| 7,689 | Mueller & Co., H., Cincinnati, Ohio. Whisky | Sept. 16, 1879 | 16 | 501 |
| 7,744 | Muller, Henry, New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | Oct. 21, 1879 | 16 | 725 |
| 7,465 | Mur, Joseph M., New York, N. Y. Tea | July 1, 1879 | 16 | 2 |
| 7,556 | Myers, Abraham, San Francisco, Cal. Koumiss, a medicinal beverage | July 29, 1879 | 16 | 175 |
| 7,754 | Mantz, John, Avoca, Ark. Preparation for the hair | Oct. 28, 1879 | 16 | 767 |
| 7,557 | National Rubber Company, Bristol, R. I. Rubber boots and shoes | July 29, 1879 | 16 | 175 |
| 7,412 | Newth, William H. D., and C. Lux, Wadsworth, Ill. Cough-mixture | June 17, 1879 | 15 | 971 |
| 7,529 | Newton & Co., Albany, N. Y. Fire-brick | July 22, 1879 | 16 | 141 |
| 7,348 | New York Label Publishing Company, New York, N. Y. Printed cards, tags, and labels | May 20, 1879 | 15 | 782 |
| 7,196 | Nichols, Francis B., Englewood, N. J. Soap | Apr. 15, 1879 | 15 | 558 |
| 7,342 | Nichols, John C., New London, Conn. Liniment | May 20, 1879 | 15 | 782 |
| 7,033 | Nicolds, Joshua S., Claiborne Parish, La. Medicine for the cure of neuralgia and the like diseases | Feb. 11, 1879 | 15 | 201 |
| 7,405 | Niepmann & Co., Ernst, Graefrath, Germany. Silk and half-silk goods | June 10, 1879 | 15 | 925 |
| 7,009 | Nightingale, John W., New York, N. Y. Bacon, hams, beef, pork, lard, and tallow | Feb. 4, 1879 | 15 | 126 |
| 7,201 | North & Judd Manufacturing Company, New Britain, Conn. Saddlery hardware | Apr. 15, 1879 | 15 | 558 |
| 6,950 | Numsen & Sons, William, Baltimore, Md. Canned or preserved edibles | Jan. 14, 1879 | 15 | 33 |
| 6,951 | Same ..... same | Jan. 14, 1879 | 15 | 33 |
| 7,536 | Oakley, William H., jr., New York, N. Y. Sheetings, shirtings, cambrics, prints, and cloths | July 22, 1879 | 16 | 142 |
| 7,185 | Ohio Steel Barb Fence Company, Cleveland, Ohio. Barb fence-wire | Apr. 15, 1879 | 15 | 557 |
| 7,413 | Ohlemacher & Zollinger, Sandusky and Toledo, Ohio. Quicklime | June 17, 1879 | 15 | 971 |
| 7,544 | Oliver, Robert W., and J. E. Robinson, Richmond, Va. Cigars | July 22, 1879 | 16 | 142 |
| 7,558 | Same ..... Smoking-tobacco | July 29, 1879 | 16 | 175 |
| 6,964 | Olney Brothers, Providence, R. I. Lubricating-oils | Jan. 21, 1879 | 15 | 59 |
| 7,787 | Olsen, Frank, Saint Paul, Minn. Cigars | Dec. 30, 1879 | 16 | 1190 |
| 7,619 | Orange County Milk Association, New York, N. Y. Condensed milk | Aug. 26, 1879 | 16 | 362 |
| 7,778 | Osborne, John W., Washington, D. C. Medicinal preparations | Dec. 16, 1879 | 16 | 1099 |
| 7,779 | Same ..... Toilet preparations | Dec. 16, 1879 | 16 | 1099 |
| 7,281 | Ottenberg, Simon, New York, N. Y. Cigars, cigarettes, and smoking-tobacco | May 13, 1879 | 15 | 757 |
| 7,640 | Owins, John E., Portsmouth, Va. Cigars | Sept. 2, 1879 | 16 | 411 |
| 7,263 | Pabst & Arming, New York, N. Y. Lamp chimneys and shades | May 6, 1879 | 15 | 695 |
| 7,737 | Pace, Talbott & Co., Danville, Va. Plug and fine-cut chewing-tobacco | Oct. 21, 1879 | 16 | 725 |

*List of trade-marks registered during the year* 1879—Continued.

| No. | Name, residence, and title. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| 7,483 | Parker, Charles, Littleton, N. H. Gloves and mittens | July 8, 1879 | 16 | 49 |
| 7,223 | Parker, Coit & Co., Chicago, Ill. Paints and colors | Apr. 22, 1879 | 15 | 606 |
| 7,600 | Parker, Henry C., Philadelphia, Pa. Preparation for the toilet | Aug. 19, 1879 | 16 | 319 |
| 7,707 | Pate & Co., N. T., Richmond, Va. Iron paint | Sept. 30, 1879 | 16 | 589 |
| 7,417 | Pegram, Benjamin R., jr., New York, N. Y. Flour | June 17, 1879 | 15 | 971 |
| 7,418 | Same ..... same | June 17, 1879 | 15 | 971 |
| 6,988 | Peirson, John, Batavia, N. Y. Canned meats, fruits, vegetables, and mince-meat | Jan. 28, 1879 | 15 | 87 |
| 7,013 | Pepper & Adams, Frankfort, Ky. Bourbon and rye whisky | Feb. 11, 1879 | 15 | 165 |
| 7,587 | Perret, Charles, Brooklyn, N. Y., assignor to L. L. Gallet, Chaux-de-Fonds, Switzerland. Watches | Aug. 12, 1879 | 16 | 270 |
| 7,588 | Same ..... same | Aug. 12, 1879 | 16 | 270 |
| 7,589 | Same ..... same | Aug. 12, 1879 | 16 | 270 |
| 7,399 | Peters, Winfield, Baltimore, Md. Fertilizing compositions or compounds | June 10, 1879 | 15 | 925 |
| 7,138 | Pfunder & Co., William, Portland, Oreg. Medicinal compounds or preparations | Mar. 25, 1879 | 15 | 428 |
| 6,999 | Pierce, Henry L., Boston, Mass. Chocolate | Feb. 4, 1879 | 15 | 125 |
| 7,530 | Pinckney & Co., H. F. A., New York, N. Y. Spices | July 22, 1879 | 16 | 141 |
| 7,061 | Plume & Atwood Manufacturing Company, Waterbury, Conn. Rivets, washers, burrs, and the like articles of copper and brass | Mar. 4, 1879 | 15 | 295 |
| 7,590 | Poirrier, Alcide F., Paris, France. Coal-tar dyes or coloring-matters | Aug. 12, 1879 | 16 | 270 |
| 7,083 | Pond's Extract Company, New York, N. Y. Medicated paper for water-closet use | Mar. 4, 1879 | 15 | 296 |
| 7,084 | Same ..... Toilet preparations | Mar. 4, 1879 | 15 | 296 |
| 7,085 | Same ..... Medicinal preparation | Mar. 4, 1879 | 15 | 296 |
| 6,942 | Pope Manufacturing Company, Boston, Mass. Bicycles | Jan. 7, 1879 | 15 | 1 |
| 7,297 | Porcelain Paint Company, Baltimore, Md. Paints, transparent coatings, and putty (or cement) | May 13, 1879 | 15 | 738 |
| 6,972 | Prager, Myer W., New York, N. Y. Smoking and chewing tobacco, cigars, and cigarettes | Jan. 21, 1879 | 15 | 60 |
| 7,534 | Prescott, James L., North Berwick, Me. Stove-polish | July 22, 1879 | 16 | 141 |
| 7,488 | Preston, C. W., Fort Wayne, Ind. A certain medical compound | July 8, 1879 | 16 | 49 |
| 7,042 | Printup, Brother & Pollard, Augusta, Ga. Cotton-gins | Feb. 18, 1879 | 15 | 201 |
| 7,701 | Procter & Gamble, Cincinnati, Ohio. Soap | Sept. 23, 1879 | 16 | 547 |
| 7,777 | Same ..... same | Nov. 11, 1879 | 16 | 859 |
| 7,189 | Putnam Nail Company, Boston, Mass. Horse-nails | Apr. 15, 1879 | 15 | 557 |
| 7,190 | Same ..... same | Apr. 15, 1879 | 15 | 557 |
| 7,178 | Quaker Mill Company, Ravenna, Ohio. Oatmeal | Apr. 8, 1879 | 15 | 508 |
| 7,427 | Quinnipiac Fertilizer Company, New Haven, Conn. A certain fertilizer | June 17, 1879 | 15 | 972 |
| | Ramsey, John R. (*See* Concher, Whitlow, Ramsey & Higbie.) | | | |
| 6,969 | Rasin & Co., R. W. L., Baltimore, Md. Guano | Jan. 21, 1879 | 15 | 59 |
| 7,087 | Same ..... Guano phosphate, or other fertilizing composition | Mar. 11, 1879 | 15 | 344 |
| 7,385 | Same ..... Fertilizing compositions or compounds | June 3, 1879 | 15 | 883 |
| 7,419 | Same ..... same | June 17, 1879 | 15 | 971 |
| 7,459 | Same ..... same | July 1, 1879 | 16 | 2 |
| 7,708 | Same ..... same | Sept. 30, 1879 | 16 | 589 |
| 7,765 | Same ..... same | Nov. 4, 1879 | 16 | 811 |
| 7,242 | Raisin, R. W. L. Soluble sea island guano | Apr. 29, 1879 | 15 | 651 |
| 7,256 | Rauch, John, Indianapolis, Ind. Cigars, cigarettes, and chewing and smoking tobacco | May 6, 1879 | 15 | 695 |
| 7,257 | Same ..... same | May 6, 1879 | 15 | 695 |
| 7,164 | Raynaud, A., Paris, France. Perfumery, creams, dentifrice, and analogous articles of toilet preparations | Apr. 8, 1879 | 15 | 507 |
| 6,965 | Rebstock & Co., Charles, Saint Louis, Mo. Whisky | Jan. 21, 1879 | 15 | 59 |
| 7,014 | Same ..... same | Feb. 11, 1879 | 15 | 165 |
| 7,476 | Recknagel & Co., New York, N. Y. Cured meats and lard | July 1, 1879 | 16 | 2 |
| 6,961 | Reed, Jones & Co., Columbus, Ohio. Boots and shoes | Jan. 21, 1879 | 15 | 59 |
| 7,702 | Richardson & Robbins, Dover, Del. Canned fruits, meats, and vegetables | Sept. 23, 1879 | 16 | 547 |
| 7,703 | Riddle, William B., Norwich, Conn. Balls of knitting cotton and wool | Sept. 23, 1879 | 16 | 547 |
| 7,088 | Riggs, Henry B., Brooklyn, N. Y. Illuminating-oils | Mar. 11, 1879 | 15 | 344 |
| 7,089 | Same ..... same | Mar. 11, 1879 | 15 | 344 |
| | Robinson, John E. (*See* Oliver & Robinson.) | | | |
| 7,484 | Robinson & Son, R. W., New York, N. Y. Medicinal preparation | July 8, 1879 | 16 | 49 |
| 7,390 | Rogers & Brother, Waterbury, Conn. Silver-plated ware | June 3, 1879 | 15 | 883 |
| 7,157 | Rogers & Son, Greenfield, Mass. Table-cutlery | Apr. 8, 1879 | 15 | 507 |
| 7,497 | Rogers, William, Hartford, Conn. Electroplated table-ware | July 8, 1879 | 16 | 50 |
| 7,186 | Rohrbach & Co., Baltimore, Md. Cough-remedies | Apr. 15, 1879 | 15 | 557 |
| 7,579 | Rokohl & Co., New York, N. Y. Cigars | Aug. 12, 1879 | 16 | 269 |
| 7,367 | Rolston, Hall & Co., Marietta, Ohio. Flour | May 27, 1879 | 15 | 834 |
| 7,531 | Roosevelt, Hilborne L., New York, N. Y. Galvanic batteries | July 22, 1879 | 16 | 141 |
| 6,977 | Rosenheim, Henry, Baltimore, Md. Table-sauce | Jan. 28, 1879 | 15 | 87 |
| | Rosenstein, Leo. (*See* Goldmark, Rosenstein, & Sellmann.) | | | |
| 7,591 | Rosenthal Brothers, New York, N. Y. Cigars, cigarettes, and cheroots | Aug. 12, 1879 | 16 | 270 |
| 7,687 | Ross & Co., William A., Belfast, Ireland. Ginger-ale, lemonade, soda-water, seltzer-water, kali-water, and sarsaparilla | Sept. 16, 1879 | 16 | 501 |
| 7,159 | Rumford Chemical Works, Providence, R. I. Chemical preparations intended for bread-making and other analogous uses | Apr. 8, 1879 | 15 | 507 |
| 7,034 | Russell Cutlery Company, John, Turner's Fall, Mass. Table-cutlery | Feb. 18, 1879 | 15 | 201 |
| 7,349 | Same ..... Pocket-cutlery | May 20, 1879 | 15 | 782 |
| 7,136 | Ryan & Cummiskey, Saint Louis, Mo. Plug-tobacco | Mar. 25, 1879 | 15 | 428 |
| 7,391 | Ryneal, George, jr., Washington, D. C. Illuminating-oils | June 3, 1879 | 15 | 884 |
| 7,616 | Sallentine, Christian, Milwaukee, Wis. Stomach-bitters | Aug. 26, 1879 | 16 | 362 |
| 7,596 | Saltzman, Auguste, Plainfield, N. J. Watches and watch-movements | Aug. 19, 1879 | 16 | 319 |
| 7,324 | Sanderson & Horn, San Francisco, Cal. Cigars | May 20, 1879 | 15 | 782 |
| 7,664 | Same ..... same | Sept. 9, 1879 | 16 | 461 |
| 7,000 | San José Fruit Packing Company, San José, Cal. Canned fruits, vegetables, and meats | Feb. 4, 1879 | 15 | 125 |
| 7,323 | Sawyer, Howard M., West Medford, Mass. Water-proof hats | May 20, 1879 | 15 | 782 |
| 7,378 | Same ..... Water-proof garments | June 3, 1879 | 15 | 883 |
| 7,072 | Schafer, George H., Fort Madison, Iowa. Certain medicinal preparations | Mar. 4, 1879 | 15 | 296 |
| 7,158 | Schaub & Heckmann, Viersen, Rhenish Prussia, Germany. Silk and silk-and-cotton velvets | Apr. 8, 1879 | 15 | 507 |
| 7,282 | Schmidt, Johan G., Philadelphia, Pa. Cured fish | May 13, 1879 | 15 | 737 |
| 6,937 | Scholfield, Joseph J., Colon, Mich. Woolen cloth, such as broadcloth, cassimeres, satinets, and flannels | Jan. 7, 1879 | 15 | 2 |
| 7,215 | Schultz, William C., Saint Louis, Mo. Veterinary medicines | Apr. 22, 1879 | 15 | 605 |
| 6,973 | Scott & Bowne, New York, N. Y. Medicinal preparations | Jan. 21, 1879 | 15 | 60 |
| 7,477 | Scott, George A., London, England. Hair-brushes and combs | July 1, 1879 | 16 | 2 |
| 7,177 | Scott, Quincy A., Pittsburg, Pa. Dental plates | Apr. 8, 1879 | 15 | 508 |
| 6,940 | Sea Island Company, Boston, Mass. Mineral-spring water | Jan. 7, 1879 | 15 | 2 |
| 7,071 | Seidel & Co., Ag., Chicago, Ill. Blood-purifying medicine | Mar. 4, 1879 | 15 | 295 |
| 7,216 | Seidenberg & Co., Key West, Fla., and New York, N. Y. Cigars and cigarettes | Apr. 22, 1879 | 15 | 605 |
| 7,217 | Same ..... same | Apr. 22, 1879 | 15 | 605 |

*Llist of trade-marks registered during the year* 1879—Continued.

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|---|---|---|---|---|
| 7,218 | Seidenberg & Co., Key West, Fla., and New York, N. Y. Cigars and cigarettes | Apr. 22, 1879 | 15 | 605 |
| | Sellmann, Henry. (*See* Goldmark, Rosenstein & Sellman.) | | | |
| 7,039 | Semple & Birge Manufacturing Company, Saint Louis, Mo. Hoe | Feb. 18, 1879 | 15 | 201 |
| 7,051 | Same.....Grain-cradles, scythe-snaths, &c | Feb. 25, 1879 | 15 | 249 |
| 7,695 | Senior & Son, A., Cincinnati, Ohio. Whisky | Sept. 23, 1879 | 16 | 547 |
| 7,060 | Sherman Brothers & Co., Chicago, Ill. Coffee | Mar. 4, 1879 | 15 | 295 |
| 7,630 | Shoenfeld, Louis, Eufaula, Ala. Medicated stock-feed | Aug. 26, 1879 | 16 | 362 |
| 7,423 | Shufeldt & Co., Henry H., Chicago, Ill. Whisky | June 17, 1879 | 15 | 972 |
| 7,621 | Same.....Compressed yeast | Aug. 26, 1879 | 16 | 362 |
| 7,672 | Same.....Gin | Sept. 9, 1879 | 16 | 462 |
| 6,939 | Siddall, F. H., Philadelphia, Pa. Soap | Jan. 7, 1879 | 15 | 2 |
| 7,204 | Siegert & Hijos, J. G. B., Port of Spain, Trinidad. Bitters | Apr. 15, 1879 | 15 | 558 |
| 7,258 | Same.....same | May 6, 1879 | 15 | 695 |
| 7,449 | Same.....Cordials | July 1, 1879 | 16 | 1 |
| 7,151 | Silbermann, Jacob, New York, N. Y. Silk ribbon | Apr. 1, 1879 | 15 | 465 |
| 7,393 | Simes, Samuel, Philadelphia, Pa. Certain medicinal preparations | June 3, 1879 | 15 | 884 |
| 7,400 | Simmonds, George, San Francisco, Cal. Whisky | June 10, 1879 | 15 | 925 |
| 7,466 | Simonds Manufacturing Company, Fitchburg, Mass. Saws | July 1, 1879 | 16 | 2 |
| 7,738 | Simons & Brother, L., New York, N. Y. Cigars, cigarettes, and smoking-tobacco | Oct. 21, 1879 | 16 | 725 |
| 6,941 | Simpson, Greenlief W., Somerville, Mass. Butter | Jan. 7, 1879 | 15 | 2 |
| 7,685 | Skinner & Wood, Erie, Pa. Steam engines and boilers | Sept. 16, 1879 | 16 | 501 |
| 7,320 | Smith & Co., Henry S., Grand Rapids, Mich. Axes | May 20, 1879 | 15 | 782 |
| 7,749 | Smith & Co., Henry W., Cincinnati, Ohio. Whisky | Oct. 21, 1879 | 16 | 726 |
| 7,625 | Smith, Edward A., Brooklyn, N. Y. Cigars | Aug. 26, 1879 | 16 | 362 |
| 7,748 | Same.....same | Oct. 21, 1879 | 16 | 726 |
| 7,564 | Smith, Henry W., Cincinnati, Ohio. Whisky | Aug. 5, 1879 | 16 | 221 |
| 7,686 | Smith, Lee S., Allegheny, Pa. Dental rubber, gold pellets, amalgam, teeth, and cast varnish | Sept. 16, 1879 | 16 | 501 |
| 7,175 | Smith's Sons, I. H., New York, N. Y. Gin | Apr. 8, 1879 | 15 | 508 |
| 7,514 | Söhne, Heinrich F., Ludwigsburg, Germany. Chicory and other substitutes for coffee | July 15, 1879 | 16 | 97 |
| 6,968 | Somborn & Co., L., New York, N. Y. Natural mineral waters | Jan. 21, 1879 | 15 | 59 |
| 7,561 | Somers, Isaac, New York, N. Y. Whisky | Aug. 5, 1879 | 16 | 221 |
| 7,726 | Sone & Fleming Manufacturing Company (limited), New York, N. Y. Illuminating-oils refined from petroleum | Oct. 14, 1879 | 16 | 681 |
| 7,727 | Same.....Illuminating-oils refined from petroleum | Oct. 14, 1879 | 16 | 681 |
| 7,728 | Same.....same | Oct. 14, 1879 | 16 | 681 |
| 7,762 | Sorg, Paul J., Middletown, Ohio. Plug chewing-tobacco | Oct. 28, 1879 | 16 | 767 |
| 7,191 | Southern White Lead Company, Saint Louis, Mo. Linseed-oil, raw and boiled | Apr. 15, 1879 | 15 | 557 |
| 7,243 | Same.....Castor-oil | Apr. 29, 1879 | 15 | 651 |
| 6,938 | Southwick, Charles F., Providence, R. I. Soap | Jan. 7, 1879 | 15 | 2 |
| 7,296 | Southworth Company, Mittineaque, West Springfield, Mass. Writing-paper | May 13, 1879 | 15 | 738 |
| 7,127 | Spaulding & Merrick, Chicago, Ill. Chewing and smoking tobacco | Mar. 18, 1879 | 15 | 390 |
| 7,541 | Speer & Sons, Alexander, Pittsburg, Pa. Plows | July 22, 1879 | 16 | 142 |
| 7,219 | Spencer & Brown, Greeneville, Tenn. Pills | Apr. 22, 1879 | 15 | 605 |
| 7,382 | Stadtmüller, Frederika, Brooklyn, N. Y. Medicinal preparation for the cure of whooping-cough | May 27, 1879 | 15 | 883 |
| 7,010 | Stafford & Holden Manufacturing Company, Barre, Vt. Hay and manure forks, hoes, rakes, &c | Feb. 4, 1879 | 15 | 126 |
| 7,082 | Standart, John L., Lemoore, Cal. Ointments | Mar. 4, 1879 | 15 | 296 |
| 7,406 | Stansbury, James E., Clifton, Md. Fresh oysters | June 10, 1879 | 15 | 926 |
| 7,407 | Same.....Canned fruits, vegetables, oysters, and meats | June 10, 1879 | 15 | 926 |
| 7,408 | Same.....Fresh oysters | June 10, 1879 | 15 | 926 |
| 7,142 | Stark Mills, Manchester, N. H., and Boston, Mass. Cotton piece-goods | Apr. 1, 1879 | 15 | 465 |
| 7,415 | Starkweather & Co., New York, N. Y. Whisky, gin, brandy, and rum | June 17, 1879 | 15 | 971 |
| 6,953 | Steele & Emery, New Haven, Conn. Baking-powder | Jan. 14, 1879 | 15 | 33 |
| 7,532 | Stehl, Justus V., Baltimore, Md. Pills | July 22, 1879 | 16 | 141 |
| 7,750 | Steinberg Brothers & Co., Louisville, Ky. Cigars | Oct. 21, 1879 | 16 | 726 |
| 7,049 | Stephani & Co., A., New York, N. Y., and Philadelphia, Pa. Canned goods | Feb. 25, 1879 | 15 | 249 |
| 7,264 | Stevens, Henry R., Boston, Mass. Medicinal compound for the cure of pain and inflammation | May 6, 1879 | 15 | 695 |
| 7,265 | Same.....Medicinal compound for the cure of scrofula and the like diseases | May 6, 1879 | 15 | 695 |
| 7,330 | Stevenson & Slingluff, Baltimore, Md. Boots | May 20, 1879 | 15 | 782 |
| 7,028 | St. John, Henry, New Haven, Conn. Boot and shoe blacking | Feb. 11, 1879 | 15 | 165 |
| 7,607 | St. John Sewing Machine Company, Springfield, Ohio. Sewing-machine | Aug. 19, 1879 | 16 | 320 |
| 7,287 | St. Louis Beef Canning Company, Saint Louis, Mo., and New York, N. Y. Canned meats | May 13, 1879 | 15 | 737 |
| 7,592 | Stoddart, Charles, Buffalo, N. Y. Liquid preparation for the complexion | Aug. 12, 1879 | 16 | 270 |
| 7,498 | Stokes & Co., A. Y., Richmond, Va. Mass licorice | July 8, 1879 | 16 | 50 |
| 7,499 | Same.....same | July 8, 1879 | 16 | 50 |
| 7,283 | Straiton & Storm, New York, N. Y. Cigars, cigarettes, and smoking-tobacco | May 13, 1879 | 15 | 737 |
| 7,284 | Same.....same | May 13, 1879 | 15 | 737 |
| 7,285 | Same.....same | May 13, 1879 | 15 | 737 |
| 7,301 | Same.....same | May 13, 1879 | 15 | 738 |
| 7,353 | Same.....same | May 27, 1879 | 15 | 833 |
| 7,354 | Same.....same | May 27, 1879 | 15 | 833 |
| 7,364 | Same.....same | May 27, 1879 | 15 | 833 |
| 7,379 | Same.....same | June 3, 1879 | 15 | 883 |
| 7,460 | Same.....same | July 1, 1879 | 16 | 2 |
| 7,504 | Same.....same | July 15, 1879 | 16 | 97 |
| 7,574 | Same.....same | Aug. 12, 1879 | 16 | 269 |
| 7,401 | Stratton & Co., John F., New York, N. Y. Stringed musical instruments and strings | June 10, 1879 | 15 | 925 |
| 7,551 | Straub Mill Company, Cincinnati, Ohio. Middlings-purifiers | July 29, 1879 | 16 | 175 |
| 7,783 | Strunz & Wetzel, Pittsburg, Pa. Soap | Dec. 23, 1879 | 16 | 1143 |
| 7,438 | Stuart, Peterson & Co., Philadelphia, Pa. Ranges | June 24, 1879 | 15 | 1016 |
| 7,035 | Sullivan & Burk, Detroit, Mich. Cigars | Feb. 18, 1879 | 15 | 201 |
| 7,757 | Sutton, John R., Brooklyn, N. Y. Cigarettes and cigars | Oct. 28, 1879 | 16 | 767 |
| 7,420 | Swan, George E., Beaver Dam, Wis. Uterine pastiles and similar medicinal preparations | June 17, 1879 | 15 | 971 |
| 7,493 | Sweeny, Robert O., Saint Paul, Minn. Composition for restoring inking-rollers of printing-presses | July 8, 1879 | 16 | 50 |
| 7,026 | Swift & Co., H. H., New York, N. Y. Flour | Feb. 11, 1879 | 15 | 165 |
| 7,027 | Same.....same | Feb. 11, 1879 | 15 | 165 |
| 7,720 | Swift, C. T., Atlanta, Ga. Medicinal preparation | Oct. 7, 1879 | 16 | 633 |
| 6,966 | Switcher, H. C., Wilmington, Del. Liniment | Jan. 21, 1879 | 15 | 59 |
| 7,231 | Symonds & Co., Philadelphia, Pa. Steam and hydraulic packing | Apr. 22, 1879 | 15 | 606 |
| 7,152 | Tardos, Jules, San Francisco, Cal. Tonic cordial | Apr. 1, 1879 | 15 | 466 |
| 7,317 | Taylor Manufacturing Company, Saint Louis, Mo. Baking and yeast powders | May 20, 1879 | 15 | 781 |
| 7,318 | Same.....same | May 20, 1879 | 15 | 781 |
| 7,306 | Texas Star Flour Mills, Galveston, Tex. Flour, meal, &c | May 13, 1879 | 15 | 737 |
| 7,380 | Thomas & Benham, New York, N. Y. Flour | June 3, 1879 | 15 | 883 |
| 7,375 | Thomas & Co., New York, N. Y. Flour | May 27, 1879 | 15 | 834 |
| 7,236 | Thomas, James, Boston, Mass. Straw hats | Apr. 22, 1879 | 15 | 606 |

*List of trade-marks registered during the year* 1879—Continued.

| No. | Name, residence, and title. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| 7,095 | Thomas, Levi H., Reading, Mich. Laundry-bluing | Mar. 11, 1879 | 15 | 344 |
| 7,755 | Thomas, Wilson C., Richmond, Va. Chewing and smoking tobacco | Oct. 28, 1879 | 16 | 767 |
| 7,040 | Thompson, Mary E., Chicago, Ill. Hair goods for ladies' wear | Feb. 18, 1879 | 15 | 201 |
| 7,037 | Thorne & Co., William F., Cincinnati, Ohio. Boots, shoes, and brogans | Feb. 18, 1879 | 15 | 201 |
| 7,739 | Tiffany, Walton C., New York, N. Y. Bate for tanner's use | Oct. 21, 1879 | 16 | 725 |
| 7,431 | Tilden, Henry A., New Lebanon, N. Y. Medical compounds | June 24, 1879 | 15 | 1015 |
| 7,719 | Tobin, William G., and E. D. L. Wickes, San Antonio, Tex. Chili-sauce | Oct. 7, 1879 | 16 | 633 |
| 7,304 | Todd & Co., J. C., Paterson, N. J. Ore-sacks | May 13, 1879 | 15 | 738 |
| 7,251 | Toilet Mask Company, New York, N. Y. Toilet and medicinal masks | Apr. 29, 1879 | 15 | 652 |
| 7,721 | Toledo & Barranco, Key West, Fla., and New York, N. Y. Cigars | Oct. 7, 1879 | 16 | 633 |
| 7,673 | Treadwell, William E., New York, N. Y. Biscuit and crackers | Sept. 9, 1879 | 16 | 462 |
| 7,714 | Trommer Extract of Malt Company, Fremont, Ohio. Extracts of malt | Sept. 30, 1879 | 16 | 589 |
| 7,515 | Tullidge, Frank G., Cincinnati, Ohio. Whisky | July 15, 1879 | 16 | 98 |
| 7,137 | Turner & Harrison, Philadelphia, Pa. Pens | Mar. 25, 1879 | 15 | 428 |
| 7,319 | Turner, P. & J., Chicago, Ill. Violin-strings | May 20, 1879 | 15 | 781 |
| 7,294 | Tyrrell & Co., John F., New York, N. Y. Oatmeal | May 13, 1879 | 15 | 738 |
| 7,132 | Udell, Schmieding & Co., Saint Louis, Mo. Concentrated lye | Mar. 25, 1879 | 15 | 428 |
| 7,462 | Underhill, Aaron G., Indianapolis, Ind. Liquid starch | July 1, 1879 | 16 | 2 |
| 7,674 | Union Oyster Company of Baltimore City, Baltimore, Md. Canned oysters | Sept. 9, 1879 | 16 | 462 |
| 7,567 | Union Stove and Manufacturing Company, Pittston, Pa. Stoves and ranges | Aug. 5, 1879 | 16 | 221 |
| 7,062 | Upmann, Carl, New York, N. Y. Cigars | Mar. 4, 1879 | 15 | 295 |
| 7,743 | Vail & Brother, J. T., Plainfield, N. J. Oil or dressing for harness, shoes, &c | Oct. 21, 1879 | 16 | 725 |
| 7,001 | Van Beil, Nathan, New York, N. Y. Medicinal preparation | Feb. 4, 1879 | 15 | 125 |
| 7,461 | Van Riper & Co., P. H., New York, N. Y. Butter | July 1, 1879 | 16 | 2 |
| 7,535 | Van Slyke & Co., G. W., Albany, N. Y. Cigars, cigarettes, chewing, smoking, granulated, and plug tobacco, and snuff | July 22, 1879 | 16 | 141 |
| 7,220 | Vermont Farm Machine Company, Bellows Falls, Vt. Vessel or apparatus for cooling milk and raising cream | Apr. 22, 1879 | 15 | 605 |
| 7,356 | Vogt & Brother, Julius F., Saint Louis, Mo. Wood barrels, kegs, well-buckets, and pails | May 27, 1879 | 15 | 833 |
| 7,073 | Wahl Brothers, Chicago, Ill. Glue | Mar. 4, 1879 | 15 | 296 |
| 7,485 | Waldron, Hugh, New York, N. Y. Cigars, cigarettes, and smoking and chewing tobacco | July 8, 1879 | 16 | 49 |
| 7,770 | Walker, Joshua, Baltimore, Md. Fertilizer | Nov. 4, 1879 | 16 | 811 |
| 7,695 | Walker, Martha G., Chicago, Ill. Natural mineral-spring water | Sept. 23, 1879 | 16 | 547 |
| 7,500 | Wallach's Sons, H., New York, N. Y. Shirts, drawers, and overalls | July 8, 1879 | 16 | 50 |
| 7,519 | Same .... Dress-shirts | July 15, 1879 | 16 | 98 |
| 7,608 | Same.....Dress-shirts, cotton and woolen shirts, undershirts, and collars | Aug. 19, 1879 | 16 | 320 |
| 6,953 | Ward & Co., Frederick, Sheffield, England. Cutlery | Jan. 14, 1879 | 15 | 33 |
| 7,030 | Waring & Co., Arthur, Warrington and London, Great Britain. Leather, hides, skins, &c | Feb. 11, 1879 | 15 | 166 |
| 7,467 | Warner, Hulbert H., Rochester, N. Y. Certain medicinal preparations | July 1, 1879 | 16 | 2 |
| 7,771 | Waters, Isaac S., Jamaica, N. Y. Chewing and smoking plug-tobacco | Nov. 4, 1879 | 16 | 811 |
| 7,772 | Waters, Isaac S., Jamaica, assignor to T. Hoyt & Co., New York, N. Y. Chewing and smoking tobacco | Nov. 4, 1879 | 16 | 811 |
| 7,043 | Watson & Janes, Erie, Pa. Roofing-paper, carpet-paper, or paper-felt, and building-paper | Feb. 18, 1879 | 15 | 201 |
| 7,019 | Weber, Bernhard, Brooklyn, N. Y. Export-tables | Feb. 11, 1879 | 15 | 165 |
| 7,439 | Wedderburn, Alexander J., Baltimore, Md. Fertilizers | June 24, 1879 | 15 | 1016 |
| 7,096 | Weeks & Co., J. P., Boston, Mass. Lubricating-oils | Mar. 11, 1879 | 15 | 344 |
| 7,516 | Weissbein, Adolph, New York, N. Y. Food for children | July 15, 1879 | 16 | 98 |
| 7,252 | Wells Oil Company, S. P., Parkersburg, W. Va. Lubricating oils and compounds | Apr. 29, 1879 | 15 | 652 |
| 7,202 | Welsh, Henry, New York, N. Y. Long and short cut smoking-tobacco, plug and other chewing tobacco, cigars, and cigarettes | Apr. 15, 1879 | 15 | 558 |
| 7,357 | Same.....Cigars, cigarettes, smoking and chewing tobacco, and snuff | May 27, 1879 | 15 | 833 |
| 7,006 | Welsh Slate Company, 8 Adelphi Terrace, Strand, England. Raw or partly prepared and manufactured slates | Feb. 4, 1879 | 15 | 126 |
| 7,008 | Wesp, Lautz Brothers & Co., Buffalo, N. Y. Starch | Feb. 4, 1879 | 15 | 126 |
| 7,635 | Western Lock Company, Geneva, Ohio. Locks | Sept. 2, 1879 | 16 | 411 |
| 6,967 | White, Charles T., New York, N. Y. Medicinal preparation of cinchona-bark | Jan. 21, 1879 | 15 | 59 |
| 7,029 | White, Maranda C., New York, N. Y. Medicinal compound for cure of consumption, &c | Feb. 11, 1879 | 15 | 165 |
| 7,321 | Whitebreast Coal and Mining Company, Burlington, Iowa. Coal | May 20, 1879 | 15 | 782 |
| | Whitlow, William. (*See* Concher, Whitlow, Ramsey & Higbie.) | | | |
| 7,700 | Whitman Agricultural Company, Saint Louis, Mo. Cider-mills | Sept. 30, 1879 | 16 | 589 |
| | Wichelman, Frederick A. (*See* Maynard & Wichelman.) | | | |
| | Wickes, Edwin D. L. (*See* Tobin & Wickes.) | | | |
| 7,492 | Wiener Medizin Company, Chicago, Ill. Medicinal teas and pills | July 8, 1879 | 16 | 50 |
| 7,295 | Wilbur, Ira E., Armenia, N. Y. Cough-sirup | May 13, 1879 | 15 | 738 |
| 7,368 | Wilcox & Co., W. J., New York, N. Y. Lard | May 27, 1879 | 15 | 834 |
| 7,491 | Wile's Laundering Company (limited), Troy, N. Y. Laundried shirts, collars, and cuffs | July 8, 1879 | 16 | 49 |
| 7,785 | Wilkins & Co., H., Baltimore, Md. Smoking and chewing tobacco, cigarettes, and cigars | Dec. 30, 1879 | 16 | 1189 |
| 7,742 | Wilkinson, Gaddis & Co., Newark, N. J. Flour | Oct. 21, 1879 | 16 | 725 |
| 7,221 | Williams & Co., C. E., Stockton, Cal. Sheep-medicine | Apr. 22, 1879 | 15 | 605 |
| 7,091 | Williams & Co., George W., Hartford, Conn. Cologne water | Mar. 11, 1879 | 15 | 344 |
| 7,773 | Williams & Co., Thomas C., Richmond, Va. Chewing-tobacco | Nov. 4, 1879 | 16 | 811 |
| | Williamson, A. N (*See* Carr & Williamson.) | | | |
| 7,421 | Williamson, Joseph G., Hyde Park, Ill. Medicinal preparation for the cure of scrofula and the like diseases | June 17, 1879 | 15 | 972 |
| 7,187 | Willimantic Linen Company, Hartford, Conn. Spool-cotton thread | Apr. 15, 1879 | 15 | 557 |
| 7,763 | Wilson & Co., J. B., Toledo, Ohio. Cigars | Oct. 28, 1879 | 16 | 767 |
| 7,176 | Wilson, John H., Pittsburg, Pa. Soap | Apr. 8, 1879 | 15 | 508 |
| | Wilson, Joseph B. (*See* Hellings & Wilson.) | | | |
| 7,179 | Wilson & McCallay, Middletown, Ohio. Plug chewing-tobacco | Apr. 8, 1879 | 15 | 508 |
| 7,426 | Wilson, Stewart & Co., Philadelphia, Pa. Canned vegetables | June 17, 1879 | 15 | 972 |
| 7,133 | Winsor & Newton, 38 Rathbone Place, London, England. Artists' materials | Mar. 25, 1879 | 15 | 428 |
| 7,392 | Winterfeldt, Jacob E., Cincinnati, Ohio. Cigars | June 3, 1879 | 15 | 884 |
| 7,128 | Wood, Richard D., New York, N. Y. Medicinal preparation for the cure of kidney-diseases, &c | Mar. 18, 1879 | 15 | 390 |
| 7,288 | Woodward & Dwight, Saint Louis, Mo. Flour | May 13, 1879 | 15 | 737 |
| 7,636 | Woodward's Sons, James S., Philadelphia, Pa. Suitings for men's and women's wear, known as "Cheviots" | Sept. 2, 1879 | 16 | 411 |
| 7,789 | Worden, Jason L., Mount Pleasant, Mich. Non-alcoholic beverage, or a compound for use in preparing it | Dec. 30, 1879 | 16 | 1190 |
| 7,517 | Wright, Amy A., New York, N. Y. Volatile ink | July 15, 1879 | 16 | 98 |
| 7,007 | Wrigley Manufacturing Company, Philadelphia, Pa. Liquid soap | Feb. 4, 1879 | 15 | 126 |
| 7,678 | Young, Ladd & Coffin, New York, N. Y. Perfumery | Sept. 9, 1879 | 16 | 462 |
| 7,165 | Young & Stern, New York, N. Y. Bellows or blowers for distributing insect-powders | Apr. 8, 1879 | 15 | 507 |
| 7,155 | Ziegler, Peter W., and M. W. Case, Philadelphia, Pa. Hair tonic, restorative, and dressing | Apr. 1, 1879 | 15 | 466 |
| 7,533 | Ziegler, Peter W., Eagle Station, Pa. Medicines to be inhaled for the cure of catarrh, &c | July 22, 1879 | 16 | 141 |
| 7,637 | Zwietusch, Otto, Milwaukee, Wis. Mineral waters | Sept. 2, 1879 | 16 | 411 |

# LIST OF LABELS REGISTERED DURING THE YEAR 1879.

| No. | Name, residence, and title. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| 1, 952 | Abrams, L. H., New York, N. Y. "Chemical Illuminating Combination" | May 6, 1879 | 15 | 696 |
| 1, 821 | Adamson, Alan C., Philadelphia, Pa. "The Crop Grower" | Jan. 7, 1879 | 15 | 2 |
| | Andrews, Edgar C. (*See* Olds & Andrews.) | | | |
| | Appleton, John A. (*See* Dale, Morse & Appleton.) | | | |
| 1, 976 | Armour & Co., Chicago, Ill. "Armour & Co., Packers, Chicago" | June 3, 1879 | 15 | 884 |
| 1, 844 | Armstrong, William E., New York, N. Y. "Tar Liquorice for Bronchitis, Coughs, Colds, &c." | Jan. 28, 1879 | 15 | 87 |
| 2, 163 | Axford, Harris W., Forestville, Ill. "Axford's Glass Hen Exhibition Incubator For Hatching Chickens" | Dec. 23, 1879 | 16 | 1143 |
| 2, 139 | Bailey, Arthur H., Boston, Mass. "The Original Vermont Cider Jelly" | Dec. 2, 1879 | 16 | 1007 |
| 1, 867 | Bailey, R. S., Nashville, N. Y. "Mrs. R. S. Bailey's Dress Chart" | Feb. 25, 1879 | 15 | 249 |
| | Baker, Charles W. (*See* Barker, Smith T., C. W., and E. H.) | | | |
| | Baker, Edwin H. (*See* Baker, Smith T., C. W., and E. H.) | | | |
| 2, 147 | Baker, Smith T., C. W., and E. H., New York, N. Y. "Unique Lubricating Oil" | Dec. 9, 1879 | 16 | 1053 |
| 1, 998 | Bankert, Abraham D., Astoria, Ill. "Bankert's Family Liniment" | July 8, 1879 | 16 | 50 |
| 1, 922 | Barlow, George W., West Farms, New York, N. Y. "Barlow's Browned Flour" | Apr. 15, 1879 | 15 | 558 |
| 1, 983 | Barnard, S. S., Hoosick Falls, N. Y. "Barnard's Iron and Starch Polish Gems" | June 17, 1879 | 15 | 972 |
| 2, 096 | Baxter, Edward H., San Francisco, Cal. "Nichol's Infallible Injection" | Oct. 21, 1879 | 16 | 726 |
| 2, 134 | Beavis, C., Corry, Pa. "Beavis' Sure Cure for Catarrh" | Dec. 2, 1879 | 16 | 1007 |
| 2, 035 | Beech & Co., Thomas, jr., New York, N. Y. "The Infallible Remedy for Rheumatism" | Aug. 12, 1879 | 16 | 270 |
| 2, 049 | Behren, Henry, Columbus, Ohio. "No. 1 Extra" (for brooms) | Sept. 2, 1879 | 16 | 412 |
| 1, 999 | Bell, Mains & Co., New York, N. Y. "Coney Island Milk Crackers" | July 8, 1879 | 16 | 50 |
| 2, 000 | Same "Vienna Macaroons" | July 8, 1879 | 16 | 50 |
| 2, 028 | Bence, George, New York, N. Y. "Bombay" (for cigars) | Aug. 5, 1879 | 16 | 222 |
| 2, 129 | Bennett, Charles, South Abington, Mass. "Bennett's Ointment" | Nov. 25, 1879 | 16 | 961 |
| 1, 984 | Bennett, M. D., German Township, Keokuk County, Iowa. "Bennett M. D.'S. Nepenthes Ointment" | June 17, 1879 | 15 | 972 |
| 2, 005 | Blakely, John, Brooklyn, N. Y. "New York's Best" (for cigars, cigarettes, and tobaccos) | July 15, 1879 | 16 | 98 |
| 2, 053 | Bloomfield, William A., Eaton, Ohio. "Bloomfield's Indian Dyspepsia Remedy" | Sept. 2, 1879 | 16 | 412 |
| 1, 914 | Bolte, John H., Washington, D. C. "Pull it Out" | Apr. 8, 1879 | 15 | 508 |
| 1, 938 | Bond, Sophia M., Newton, Mass. "S. M. Bond's Cleansing Soap" | Apr. 29, 1879 | 15 | 652 |
| 2, 097 | Bowker Fertilizer Company, Boston, Mass. "Bowker's Ammoniated Food for Flowers," (for fertilizers) | Oct. 21, 1879 | 16 | 726 |
| 1, 845 | Boyer & Co., Philadelphia, Pa. "Boyer & Co. Improved French Blacking" | Jan. 28, 1879 | 15 | 88 |
| 2, 057 | Bradley & Vrooman, Chicago, Ill. "Bradley & Vrooman Oleone Illuminator" | Sept. 9, 1879 | 16 | 462 |
| 2, 083 | Brainard, Edwin F., New York, N. Y. "Flavoring Extracts" | Oct. 7, 1879 | 16 | 633 |
| 1, 953 | Brill, W. H., Pittsburg, Pa. "Dr. Eric Adolphus' Genuine Swedish Bitters" | May 6, 1879 | 15 | 696 |
| 1, 849 | Brown, R. H., Baltimore, Md. "Everlasting Cologne" | Feb. 4, 1879 | 15 | 126 |
| 2, 149 | Bucklen, Herbert E., Chicago, Ill. "Dr. King's Hop Cordial" | Dec. 16, 1879 | 16 | 1099 |
| 1, 937 | Buel, Cook & Seixas, Chicago, Ill. "Chicago Cash House" | Apr. 22, 1879 | 15 | 606 |
| 2, 168 | Burker, Mary A., Pittsburg, Pa. "Standard Silver Polish" | Dec. 23, 1879 | 16 | 1143 |
| 1, 990 | Burnley, H., Hazlehurst, Miss. "Burnley's Liver Lozenges" | June 24, 1879 | 15 | 1016 |
| 2, 050 | Bush Company, J. P., Boston, Mass. "Bovinine, or the Vital Principles of Flesh," (medicine) | Sept. 2, 1879 | 16 | 412 |
| 2, 102 | Bush Company, J. P., Hartford, Conn., and Boston, Mass. "Bovinine," (for an article of food) | Oct. 28, 1879 | 16 | 768 |
| 2, 123 | Butler & Clarridge, Washington, D. C. "Butler's Rheumatic Remedy" | Nov. 18, 1879 | 16 | 911 |
| 2, 084 | Byrd, William W., and B. Taylor, Taylorsville, Va. "Byrd & Taylor's Patent Blacking and Leather Preserver" | Oct. 7, 1879 | 16 | 633 |
| 2, 058 | Capstick & Son, George, Brooklyn, N. Y. "Waistell's Ointment" | Sept. 9, 1879 | 16 | 462 |
| 2, 130 | Carley, Frank D., Louisville, Ky. "Kinslow Kerosene" | Nov. 25, 1879 | 16 | 961 |
| 1, 939 | Casad & Timmons, Westerville, Ohio. "Dr. Casad's Indian Strawberry Syrup" | Apr. 29, 1879 | 15 | 652 |
| 1, 955 | Case, Milton W., Philadelphia, Pa. "Dr. M. W. Case's Carbolate of Tar Inhalant" | May 13, 1879 | 15 | 738 |
| 1, 861 | Champlin, Hallam C., Owego, N. Y. "Dr. Champlin's Worm and Bilious Remedy" | Feb. 11, 1879 | 15 | 166 |
| 1, 971 | Chase, George W., Rome, N. Y. "Chase's Vegetable Golden Sticking Salve" | May 27, 1879 | 15 | 834 |
| 2, 115 | Cheney, Frank J., Toledo, Ohio. "Hall's Catarrh Cure" | Nov. 11, 1879 | 16 | 859 |
| 1, 930 | Clapp, Charles M., Boston, Mass. "Ætna Elastic Gum Boot, Ætna Rubber Mills, Boston" | Apr. 22, 1879 | 15 | 606 |
| 1, 962 | Same "Ætna Pure Gum Iron Clad" | May 20, 1879 | 15 | 782 |
| 2, 122 | Clark, Lucas C., Plantsville, Conn. "Carriage Bolts" | Nov. 18, 1879 | 16 | 911 |
| 2, 092 | Colby, F. A., Lancaster, N. H. "Poirrier's Domestic French Dye Colors" | Oct. 14, 1879 | 16 | 682 |
| 2, 140 | Cole & Co., J. W., Black River Falls, Wis. "Carbolisalve" (for salve) | Dec. 2, 1879 | 16 | 1007 |
| 1, 854 | Colgate & Co., New York, N. Y. "Reliable" | Feb. 11, 1879 | 15 | 166 |
| 1, 869 | Collin's Company, Collinsville, Conn. "Collins & Co. Celebrated Axes" | Feb. 25, 1879 | 15 | 249 |
| 2, 037 | Colton & Lansing, Syracuse, N. Y. "Pure Crystal Baking Powder, Syracuse, N. Y." | Aug. 12, 1879 | 16 | 270 |
| 2, 098 | Condé & Co., Swits, Oswego, N. Y. "Two Threads Non Shrinking Wool Underwear" | Oct. 21, 1879 | 16 | 726 |
| 2, 086 | Connell, Joseph, Columbia City, Ind. "Dr. Joseph Connell's Indiana Ague Cure" | Oct. 14, 1879 | 16 | 682 |
| 2, 164 | Crane & Brother, Z., jr., Dalton, Mass. "Crane's Superfine Ladies' Note Paper" | Dec. 23, 1879 | 16 | 1143 |
| 2, 165 | Same "Crane's Extra-Superfine Ladies' Note Paper" | Dec. 23, 1879 | 16 | 1143 |
| 1, 985 | Crawford, Walter W., Saint Louis, Mo. "The Crawford Liver and Kidney Pad" | June 17, 1879 | 15 | 972 |
| 1, 977 | Crosby & Co., New York, N. Y. "Crosby's Headache Cure" | June 3, 1879 | 15 | 884 |
| 2, 087 | Same "Crosby's 5 Minute Cure" (for a medicine) | Oct. 14, 1879 | 16 | 682 |
| 2, 109 | Cunningham, George, S. Worden, and L. Hillard, Grand Rapids, Mich. "Cunningham's Compound Illuminator" | Nov. 4, 1879 | 16 | 812 |
| 1, 894 | Daggett, John C., and R. F. Gordon, Boston, Mass. "Gordon's Neurotic Elixer" | Mar. 18, 1879 | 15 | 390 |
| 1, 874 | Dale, Ebenezer, E. R. Morse, Boston, Mass., and J. A. Appleton, New York, N. Y., trustees under the will of E. Dale, late of Boston. "Parisian Suitings Manufactured from Selected Stock" | Feb. 25, 1879 | 15 | 250 |
| 1, 915 | D'Apéry, Telémaque, Philadelphia, Pa. "Serky's Tea" | Apr. 8, 1879 | 15 | 508 |
| 2, 126 | Day, Jennie W., New Orleans, La. "Poudre de Toilette" | Nov. 25, 1879 | 16 | 961 |
| 2, 167 | Deusner, Philip, jr., Kokomo, Ind. "Deusner's Merchandise Token" | Oct. 28, 1879 | 16 | 768 |
| 2, 093 | Disbrow, Herman G., Brooklyn, N. Y. "Grinnell Mills" (for package-twine) | Oct. 14, 1879 | 16 | 682 |
| 1, 980 | Donaldson Brothers, New York, N. Y. "Locomotive" | June 10, 1879 | 15 | 926 |
| 2, 143 | Same "Plug Tobacco Label No. 1" | Dec. 9, 1879 | 16 | 1053 |
| 2, 144 | Same "Plug Tobacco Label No. 2" | Dec. 9, 1879 | 16 | 1053 |
| 2, 145 | Same "Plug Tobacco Label No. 3" | Dec. 9, 1879 | 16 | 1053 |
| 2, 169 | Doty & Co., D. R., New York, N. Y. "Standard Strengthening Porous Plaster" | Dec. 23, 1879 | 10 | 1143 |
| 1, 943 | Double Thread Sewing Machine Company, Boston, Mass. "Guaranteed Not to Rip" | Apr. 29, 1879 | 15 | 652 |
| 1, 944 | Same "Will Not Rip" | Apr. 29, 1879 | 15 | 652 |
| 2, 059 | Drake, Reason, La Grange, Ind. "The Ladies' Friend, or the Females' Prescription" | Sept. 9, 1879 | 16 | 462 |
| 1, 864 | Dreydoppel, William, Philadelphia, Pa. "Dreydoppel's Borax Soap" | Feb. 18, 1879 | 15 | 202 |

*List of labels registered during the year* 1879—Continued.

| No. | Name, residence, and title. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| 2,131 | Dudley & Co., Brooklyn, N. Y. "Douglas' Amandine Solution" | Nov. 25, 1879 | 16 | 961 |
| 1,935 | Duffy, Daniel J., Saint Louis, Mo. "D. J. Duffy's Improved Dr. A. Q. Simmons Liver Medicine" | Apr. 22, 1879 | 15 | 606 |
| 1,991 | Du Pont, de Nemours & Co., E. I., Wilmington, Del. "Choke Bore Powder" (for gunpowder) | June 24, 1879 | 15 | 1016 |
| 1,992 | Du Pont, De Nemours & Co., E. I., Wilmington, Del. "Cylinder Bore Powder" (for gunpowder) | June 24, 1879 | 15 | 1016 |
| 2,150 | Durr, N., Toledo, Ohio. "The Sure Cure Liver and Ague Pad" | Dec. 16, 1879 | 16 | 1099 |
| 2,146 | Eddy & Son, D., Boston, Mass. "The Eddy Refrigerator" | Dec. 9, 1879 | 16 | 1053 |
| | Emmitt, John V. (*See* Perry & Emmitt.) | | | |
| 2,135 | Emmitt, John V., Sterling, Ill. "Rheumatismo Remedium Certissimum. The Great English Liniment—A Sure Cure for Rheumatism and Sprains" | Dec. 2, 1879 | 16 | 1007 |
| 1,877 | Essex Chemical Works, Essex, Conn. "Boneset Bitters" | Mar. 4, 1879 | 15 | 296 |
| 1,836 | Evans, Enoch, and T. H. Jones, Hyde Park, Pa. "George's Pile and Gravel Pills" | Jan. 21, 1879 | 15 | 60 |
| 2,042 | Farrar, S. B., Detroit, Mich. "Farrar's Non-Explosive Water Gas" | Aug. 26, 1879 | 16 | 362 |
| 1,878 | Faulkner & Craighill, Lynchburg, Va. "Camm's Emulsion of Pure Norwegian Cod Liver Oil with Hypophosphites of Lime and Soda with Dialysed Iron" | Mar. 4, 1879 | 15 | 296 |
| 1,907 | Field, Leiter & Co., Chicago, Ill. "Language of the Fan" | Apr. 1, 1879 | 15 | 466 |
| 2,141 | Finch & Co., Charles N., New York, N. Y. "Hartshorn or Ammonia For Family Use" | Dec. 2, 1879 | 16 | 1007 |
| 2,007 | Finlay, G. R., and T. W. Marsden, New Orleans, La. "Marsden's Carminative Syrup" | July 15, 1879 | 16 | 98 |
| 2,008 | Same....."Marsden's Calisaya Tonic" | July 15, 1879 | 16 | 98 |
| 2,009 | Same....."Marsden's Zarsaparilla" | July 15, 1879 | 16 | 98 |
| 2,010 | Same....."Marsden's Pectoral Balm" | July 15, 1879 | 16 | 98 |
| 1,828 | Fiss, William A. J., Philadelphia, Pa. "Dr. Yellowstone, Herbs of Wonder" | Jan. 14, 1879 | 15 | 33 |
| 2,023 | Folsom & Co., N. T., Boston, Mass. "Coaline, The Electric Cleanser" | July 15, 1879 | 16 | 98 |
| 2,132 | Ford, Henry, Madison, N. J. "Ford's Rupture Ointment" | Nov. 25, 1879 | 16 | 961 |
| 2,006 | Frey, George C., Portland, Me. "Effervescent Solution of Tartrate of Potassium and Sodium" | July 15, 1879 | 16 | 98 |
| 1,829 | Gerhard, L., Philadelphia, Pa. "Mrs. Winslow's Hair Restorer" | Jan. 14, 1879 | 15 | 33 |
| | Gordon, Robert F. (*See* Daggett & Gordon.) | | | |
| 2,175 | Griswold, Dewitt C., Evansville, Wis. "D. C. Griswold's Carpathian Balsam, or Sure Cure" | Dec. 30, 1879 | 16 | 1190 |
| 1,931 | Grost, Percival F., Londonville, Ohio. "Gross' Rheumatic Remedy" | Apr. 22, 1879 | 15 | 606 |
| 2,094 | Guernsey, Samuel B., New York, N. Y. "Guernsey's Cod-Fish Brick" (for codfish) | Oct. 14, 1879 | 16 | 682 |
| 1,956 | Guittard, Etienne, San Francisco, Cal. "California Grape Sugar Baking Powder" | May 13, 1879 | 15 | 738 |
| 2,116 | Guittard, Etienne, San Francisco, Cal. "El Mejor Café Molido de Costa Rica Primera Calidad" | Nov. 11, 1879 | 16 | 860 |
| 2,172 | Same....."E. Guittard & Co. San Francisco, Sweet German Chocolate" | Dec. 30, 1879 | 16 | 1190 |
| 2,043 | Gutschke, August, Newark, N. J. "August Gutschke's best Fever Medicine, without Quinine" | Aug. 26, 1879 | 16 | 362 |
| 1,972 | Harless, Adolphus, Saint Louis, Mo. "Harless Medicated Cough Caramels" | May 27, 1879 | 15 | 834 |
| 1,903 | Harris & Son, George S., Philadelphia, Pa. "Electric Light" | Mar. 25, 1879 | 15 | 428 |
| 1,940 | Same....."Night Cap" | Apr. 29, 1879 | 15 | 652 |
| 1,875 | Harrison, Samuel W., Lowell, Mass. "Dr. Harrison's Pain Curer" | Feb. 25, 1879 | 15 | 250 |
| 2,117 | Same....."Dr. Harrison's Soothing Balm" | Nov. 11, 1879 | 16 | 860 |
| 2,027 | Hart, James W., New York, N. Y. "Dr. Holland's Creatine Troches" | July 29, 1879 | 16 | 176 |
| 2,070 | Harter Medicine Company, Saint Louis, Mo. "Dr. Harter's Liver Pills" | Sept. 23, 1879 | 16 | 548 |
| 2,071 | Same....."Dr. Harter's Iron Tonic" | Sept. 23, 1879 | 16 | 548 |
| 2,072 | Same....."Dr. Harter's Soothing Drops" | Sept. 23, 1879 | 16 | 548 |
| 2,073 | Same....."Dr. M. G. Harter's German Vermifuge Candy" | Sept. 23, 1879 | 16 | 548 |
| 2,074 | Same....."Dr. Harter's Ague Specific Pills" | Sept. 23, 1879 | 16 | 548 |
| 2,075 | Same....."Dr. Harter's Lung Balm" | Sept. 23, 1879 | 16 | 548 |
| 2,076 | Same....."Dr. Harter's Fever and Ague Specific" | Sept. 23, 1879 | 16 | 548 |
| 2,077 | Same....."Dr. Harter's (Improved) Liniment" | Sept. 23, 1879 | 16 | 548 |
| 1,928 | Harvey, James, Toronto, Ontario, Canada. "Holy Land Oil" | Apr. 15, 1879 | 15 | 558 |
| 2,066 | Hawley, J. S., Brooklyn, N. Y. "Wheat Phosphoids" | Sept. 16, 1879 | 16 | 502 |
| 2,067 | Same....."Aromatised" (Pepsin) | Sept. 16, 1879 | 16 | 502 |
| 1,837 | Hegeman & Co., New York, N. Y. "Lelia Pith for the Complexion" | Jan. 21, 1879 | 15 | 60 |
| 1,888 | Same....."Hegeman & Co.'s Lelia Pith Camphor Ice, with Glycerine, Introduced in 1878" | Mar. 4, 1879 | 15 | 296 |
| 2,155 | Hegeman, J. Niven, New York, N. Y. "Tolu and Liverwort Expectorant" | Dec. 16, 1879 | 16 | 1099 |
| 2,156 | Same.....same | Dec. 16, 1879 | 16 | 1099 |
| 2,157 | Same....."Rose Egg Ice" | Dec. 16, 1879 | 16 | 1099 |
| 2,158 | Same....."Hegeman's, Formerly Velpeau's Celebrated Remedy for Diarrhœa" | Dec. 16, 1879 | 16 | 1099 |
| 1,963 | Henson & Harrison, London, Tenn. "Clark's Indian Cough Syrup" | May 20, 1879 | 15 | 782 |
| 1,945 | Heppenheimer & Maurer, New York, N. Y. "Col. Dwight" | May 6, 1879 | 15 | 696 |
| 1,946 | Same....."La Jeunesse" | May 6, 1879 | 15 | 696 |
| 1,964 | Same....."Claristo" | May 20, 1879 | 15 | 782 |
| 1,965 | Same....."Post Haste" | May 20, 1879 | 15 | 782 |
| 1,973 | Same....."Charibert" | May 27, 1879 | 15 | 834 |
| 1,978 | Same....."King Nicotine" | June 3, 1879 | 15 | 884 |
| 1,997 | Same....."Cigar Labels" | July 1, 1879 | 16 | 2 |
| 2,111 | Same....."Cigar Label" | Nov. 4, 1879 | 16 | 812 |
| 2,044 | Herring & Co., New York, N. Y. "The Solid Safe" | Aug. 26, 1879 | 16 | 362 |
| | Hewitt, Henry. (*See* Walkinshaw & Hewitt.) | | | |
| | Hillard, Luke. (*See* Cunningham, Worden & Hillard.) | | | |
| 1,830 | Hinrichs Brothers, Washington, D. C. "Dr. Von Sender's Zusammengesetzter Fenchel-Honig-Extract | Jan. 14, 1879 | 15 | 33 |
| 1,908 | Hires, Charles E., Philadelphia, Pa. "Hire's Improved Root Beer" | Apr. 1, 1879 | 15 | 466 |
| 2,166 | Hirsemann, Gotthard, Brooklyn, N. Y. "Boston Angelica Slippers" | Dec. 23, 1879 | 15 | 1143 |
| 2,061 | Holl, Henry, Philadelphia, Pa. "Dr. Holl's Family Panacea" | Sept. 16, 1879 | 15 | 502 |
| 1,909 | Homer, John, Boston, Mass. "Gelatine Suppositories" | Apr. 1, 1879 | 15 | 466 |
| 1,916 | Same....."Universal and Adjustable Splints" | Apr. 8, 1879 | 15 | 508 |
| 1,847 | Honbouser, Valentine, Cincinnati, Ohio. "They come high, but we must have 'em" | Jan. 28, 1879 | 15 | 88 |
| 1,901 | Hood & Co., M. C., Boston, Mass. "Hood's French Cologne" | Mar. 18, 1879 | 15 | 390 |
| 1,904 | Hood & Reynolds, Boston, Mass. "Fragrant Tooth Powder" | Mar. 25, 1879 | 15 | 428 |
| 1,936 | Horton & Co., C. G., Chicago, Ill. "The Bone Dissolvent. Warranted to Cure Bone Spavin, Ringbone, Curb and Splint within 36 hours without injury to the skin" | Apr. 22, 1879 | 15 | 606 |
| 1,885 | Houghton & Co., E. F., Philadelphia, Pa. "Fluid Cosmoline (Petroleol.)" | Mar. 4, 1879 | 15 | 296 |
| 1,886 | Same....."Camphorated Cosmoline" | Mar. 4, 1879 | 15 | 296 |
| 1,887 | Same....."Sub-cerate Cosmoline (Sub-ceratum Petrolei.)" | Mar. 4, 1879 | 15 | 296 |
| 1,884 | Houriet, Jules, Terre Haute, Ind. "Swiss Liver Compound and Blood Purifier" | Mar. 4, 1879 | 16 | 296 |
| 2,124 | Howard, James M., Mount Olive, N. C. "Remedy for Worms" | Nov. 18, 1879 | 16 | 911 |
| 2,101 | Howell, Aaron, New Egypt, N. J. "Howell's Botanic Cough Syrup" | Oct. 21, 1879 | 16 | 726 |
| 2,118 | Same....."Howell's Floral Tonic" | Nov. 11, 1879 | 16 | 860 |
| 2,032 | Hubbard, Bakewell & Co., Pittsburg, Pa. "Improved Cast Steel Planter's Hoe" | Aug. 5, 1879 | 16 | 222 |
| 1,855 | Hunt Brothers, Boston, Mass. "Hunt's Celebrated Piano Polish" | Feb. 11, 1879 | 15 | 166 |
| 1,831 | Hunter, John M., New York, N. Y. "Oleaginous Natural Hypophosphite" | Jan. 14, 1879 | 15 | 33 |
| 1,832 | Same....."Hygienic Phosphatic Pomade (for external use.)" | Jan. 14, 1879 | 15 | 33 |
| 2,045 | Huntting, C. H., New York, N. Y. "Manufactured and Finished for Family Use" | Aug. 26, 1879 | 16 | 362 |
| 2,003 | Ingram, Fred. F., Ypsilanti, Mich. "Ingram's Pills. Infallible Cure for Chills. The Great Substitute for Quinine" | July 8, 1879 | 16 | 50 |
| 2,054 | Jadwin, Henry B., Carbondale, Pa. "The Tonic Laxative" | Sept. 2, 1879 | 16 | 412 |

*List of labels registered during the year* 1879—Continued.

| No. | Name, residence, and title. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|
| 2,088 | James & Co., Arthur, Cincinnati, Ohio. "Elixir of Youth" (for medicine) | Oct. 14, 1879 | 16 | 682 |
| 1,838 | Johnson, Jonathan, Lawrence, Mass. "Pain-Killing Liniment" | Jan. 21, 1879 | 15 | 60 |
| 1,910 | Jones, R. Leslie, Jacksonville, Fla. "Mrs. R. Leslie Jones Hair Tonic" | Apr. 1, 1879 | 15 | 466 |
| | Jones, Thomas H. (*See* Evans & Jones.) | | | |
| 2,038 | Jourgensen, Christian, New York, N. Y. "Box-Label" | Aug. 19, 1879 | 16 | 320 |
| 1,862 | Judge, J. D., Boston, Mass. "The Corn Killer" | Feb. 18, 1879 | 15 | 202 |
| 1,897 | Kellogg, Adams & Eaton, Boston, Mass. "Kellogg's Superior Extract of Vanilla" | Mar. 18, 1879 | 15 | 390 |
| 1,898 | Same....."Kellogg's Superior Extract of Lemon" | Mar. 18, 1879 | 15 | 390 |
| 1,899 | Same....."Kellogg's Pure Extract Vanilla" | Mar. 18, 1879 | 15 | 390 |
| 1,900 | Same....."Kellogg's Extract Jamaica Ginger" | Mar. 18, 1879 | 15 | 390 |
| 2,069 | Kellogg, Robert D., Rochester, N. Y. "Key West" (for tobacco) | Sept. 23, 1879 | 16 | 548 |
| 2,089 | Kelly, Horace R., New York, N. Y. "Maria Stuart" (for cigars, &c.) | Oct. 14, 1879 | 16 | 682 |
| 2,090 | Same....."Maria Stuart No. 2" (for cigars, &c.) | Oct. 14, 1879 | 16 | 682 |
| 2,091 | Same....."The Bullfighter" (for cigars, &c.) | Oct. 14, 1879 | 16 | 682 |
| 2,039 | Kempshall, Eleazer, New Britain, Conn. "Halter Chains" | Aug. 19, 1879 | 16 | 320 |
| 1,932 | Kieffer & Co., E. J., Savannah, Ga. "Kieffer's Peruvian Cure" | Apr. 22, 1879 | 15 | 606 |
| 1,981 | King, H. W., Indianapolis, Ind. "H. W. King's Celebrated London Butter Scotch" (candy) | June 10, 1879 | 15 | 926 |
| 2,040 | Kingman, Charles H., Chicago, Ill. "Nubian Iron Polish" | Aug. 19, 1879 | 16 | 320 |
| 1,911 | Kingsley, Charles B., Northampton, Mass. "Dr. Bliss' Catarrh Bitters | Apr. 1, 1879 | 15 | 466 |
| 2,110 | Kline, R. H., Philadelphia, Pa. "Dr. Kline's Lung Cure" | Nov. 4, 1879 | 16 | 812 |
| 2,078 | Knapp, John S., Baltimore, Md. "London Horse and Cattle Food" | Sept. 23, 1879 | 16 | 548 |
| 2,136 | Same....."English Condition Powders" | Dec. 2, 1879 | 16 | 1007 |
| 1,856 | Koehler, M., Baltimore, Md. "Koehler's Original California Champagne Pear Cider" | Feb. 11, 1879 | 15 | 166 |
| 2,151 | Kuhlmann, William H., Cincinnati, Ohio. "Kuhlmann's Furniture and Frame Renewer" | Dec. 16, 1879 | 16 | 1099 |
| 1,857 | Lash, James J., Albion, Ind. "Hyde's Rheumatic Pills" | Feb. 11, 1879 | 15 | 166 |
| 2,159 | Lautenbach, Robert, Baltimore, Md. "Glycerated Lime Juice" | Dec. 16, 1879 | 16 | 1099 |
| 2,099 | Leeson & Co., J. R., Boston, Mass. "Finlayson, Bousfield & Co, Johnstone, Near Glasgow" (for linen thread) | Oct. 21, 1879 | 16 | 726 |
| 1,966 | Livor, M. A., New York, N. Y. "Somers' Antidote to Malaria" | May 20, 1879 | 15 | 782 |
| 2,103 | Loomis, Samuel, New York, N. Y. "Loomis' Compound Sandal Wood Paste" | Oct. 28, 1879 | 16 | 768 |
| 1,993 | Lowry & Co., Robert C., New York, N. Y. "Windsor Herring" | June 24, 1879 | 15 | 1016 |
| 2,031 | Mahoney, J. & E., Portsmouth, Va. "Lake Drummond Copper-Distilled Pure Rye Whiskey" | Aug. 5, 1879 | 16 | 222 |
| 2,062 | Marden, Sumner D., Nantucket, Mass. "Marden's Instantaneous Pain Destroyer" | Sept. 16, 1879 | 16 | 502 |
| | Marsden, T. W. (*See* Finlay & Marsden.) | | | |
| 1,890 | Marshall, Henry, Milwaukee, Wis. "Australian Insecticide Sure Death to all Insect Life" | Mar. 11, 1879 | 15 | 344 |
| 2,133 | Mattocks, E. J., Troy, N. Y. "Hepatic Diuretic Cathartic. Dose from 1 to 4" | Nov. 25, 1879 | 16 | 961 |
| 2,161 | McCormick, H. J., Portland, Oreg. "Dr. Mott's Celebrated Dandelion Bitters" | Dec. 16, 1879 | 16 | 1099 |
| 2,162 | Same....."Oregon Bear Berry Bitters" | Dec. 16, 1879 | 16 | 1099 |
| 2,026 | McCurdy, William, Stockton, Cal. "Spirit Relief for Pain" (for a medicine) | July 29, 1879 | 16 | 176 |
| 1,846 | McGilfrey & Dings, Bath-on-the-Hudson, N. Y. "McGilfrey's Great Neuralgia Cure" | Jan. 28, 1879 | 15 | 88 |
| 1,826 | McGill, George W., New York, N. Y. "Staple-Binder" | Jan. 7, 1879 | 15 | 2 |
| 1,827 | Same....."Staple-Fastener" | Jan. 7, 1879 | 15 | 2 |
| 1,839 | Same....."Single-Stroke Staple Press" | Jan. 21, 1879 | 15 | 60 |
| 2,170 | Millville Manufacturing Company, Millville, N. J. "Extra Fine 64 x 64 Cambric French Kid Finish Specially Adapted For The Best City Trade" | Dec. 23, 1879 | 16 | 1143 |
| 2,160 | Mohr, Mohr & Co., Cincinnati, Ohio. "Print For Barrels, Casks, and Packages Containing Whiskey" | Dec. 16, 1879 | 16 | 1099 |
| 1,891 | Montgomery, Silas K., Watertown, Conn. "Brilliant Luster Silver Polish" | Mar. 11, 1879 | 15 | 344 |
| 2,085 | Moore, Charles C., Elizabeth, N. J. "Moore's Throat and Lung Lozenges" | Oct. 7, 1879 | 16 | 633 |
| 2,152 | Moran, Kate, Boston, Mass. "Moran's Washing Fluid, A Superior Preparation" | Dec. 16, 1879 | 16 | 1099 |
| 2,041 | Morgan, Alexander W., Paterson, N. J. "Madam Morgan's Cough Remedy" | Aug. 19, 1879 | 16 | 320 |
| 2,173 | Morgan, William B., Manchester, N. H. "Morgan's Soft Lozenge" | Dec. 30, 1879 | 16 | 1190 |
| | Morse, E. Rollins. (*See* Dale, Morse & Appleton.) | | | |
| 1,895 | Morse, George W., Clinton, Mass. "Juniper Tar Cough Balsam" | Mar. 18, 1879 | 15 | 390 |
| 1,840 | Murphy & Co., N. H., Chelsea, Mass. "Murphy & Barter's Waterproof Stove Gloss" | Jan. 21, 1879 | 15 | 60 |
| 2,171 | National Medicine Company, Manchester, N. H. "Bright's Kidney Remedy" | Dec. 23, 1879 | 16 | 1143 |
| 1,905 | Neuman & Dinglinger, New York, N. Y. "Masquerade" | Mar. 25, 1879 | 15 | 428 |
| 2,029 | Same....."Cigar and Champagne Label" | Aug. 5, 1879 | 16 | 252 |
| 2,063 | Neuss, Hesslein & Co., New York, N. Y. "Baleine Des Indes" | Sept. 16, 1879 | 16 | 502 |
| 1,979 | Newton, Elizabeth M., Mont Clair, N. J. "Mrs. E. M. Newton's Hair Tonic" | June 3, 1879 | 15 | 884 |
| 1,843 | New York Label Publishing Company of Nicholas Witsch and Jacob Schmitt, New York, N. Y. "Nipon" | Jan. 21, 1879 | 15 | 60 |
| 1,853 | Same....."The Cottage" | Feb. 4, 1879 | 15 | 126 |
| 1,866 | Same....."Yellowstone" | Feb. 18, 1879 | 15 | 202 |
| 1,889 | Same....."Evergreen" | Mar. 4, 1879 | 15 | 296 |
| 1,923 | Nichols, Francis B., Englewood, N. J. "Savon Du Carmel" | Apr. 15, 1879 | 15 | 558 |
| 1,841 | Nightingale, John W., New York, N. Y. "Wiltshire Packing Co." | Jan. 21, 1879 | 15 | 60 |
| 1,967 | Noble, J. H., Eau Claire, and W. A. Sallade, Reedsburg, Wis. "Dr. C. A. Holman's Catarrhal Pad" | May 20, 1879 | 15 | 782 |
| 1,968 | Same....."Dr. C. A. Holman's Genital Pad" | May 20, 1879 | 15 | 782 |
| 1,858 | Olds, Edward F., Philadelphia, Pa. "Old's Medicated Ozone and Oxygen Inhaler" | Feb. 11, 1879 | 15 | 166 |
| 1,850 | Olds, William, and E. C. Andrews, Indianapolis, Ind. "Sulphited Soap" | Feb. 4, 1879 | 15 | 126 |
| 2,046 | O'Neill, Andrew, New Haven, Conn. "O'Neill's Polished, or Burnished Electroplated Nickel, Copper or Brass or Yellow Metal Sheet" | Aug. 26, 1879 | 16 | 362 |
| 2,100 | Orange County Milk Association, New York, N. Y. "Orange County Condensed Milk" | Oct. 21, 1879 | 16 | 726 |
| 1,982 | Ottumwa Starch Company, Ottumwa, Iowa. "Ottumwa Starch" | June 10, 1879 | 15 | 926 |
| 1,871 | Owens, Richard J., Brooklyn, N. Y. "Anti-Constipation" | Feb. 25, 1879 | 15 | 250 |
| 1,912 | Palm & Fechteler, New York, N. Y. "Exposition Universellé Internationale de 1873 Paris" | Apr. 1, 1879 | 15 | 466 |
| 1,947 | Palmer, L., Washington, D. C. "Palmer's Liquid Bleaching Blue" | May 6, 1879 | 15 | 696 |
| 1,842 | Parker, Coit & Co., Chicago, Ill. "Pure Burnt Umber" | Jan. 21, 1879 | 15 | 60 |
| 1,954 | Parker, Gilman L., Reading, Mass. "Parker's German Breakfast Coffee" | May 6, 1879 | 15 | 696 |
| 1,879 | Parker, I. S., Grenada, Miss. "Cuban Chill Tonic. The Great West Indies Fever and Ague Remedy" | Mar. 4, 1879 | 15 | 296 |
| 1,834 | Pearl Manufacturing Company, New York, N. Y. "Pearls" | Jan. 14, 1879 | 15 | 33 |
| 1,835 | Same....."Pearl Injection" | Jan. 14, 1879 | 15 | 33 |
| 2,108 | Pels, Moses, Baltimore, Md. "Pels' Corn Solvent" | Oct. 28, 1879 | 16 | 768 |
| 1,880 | Pennington & Co., H., Philadelphia, Pa. "Not Subject to Fits" | Mar. 4, 1879 | 15 | 296 |
| 2,137 | Perry, George P., and J. V. Emmitt, Sterling, Ill. "Pernio Percuro. A Sure Cure for Chilblains and Frost Bites" | Dec. 2, 1879 | 16 | 1007 |
| 1,833 | Peters, C. W., Fort Madison, Iowa. "Peters' Rheumatic Elixer" | Jan. 14, 1879 | 15 | 33 |
| 2,047 | Pevear, Hamden & Co., Lynn, Mass. "Franco American Heel" (for boot and shoe heels) | Aug. 26, 1879 | 16 | 362 |
| 1,957 | Peyton, L. Douglass, New York, N. Y. "Peyton's Calcium Light or New Illuminator" | May 13, 1879 | 15 | 738 |
| 2,128 | Phelan, M. J., Philadelphia, Pa. "Phelan's Non-Perishable Ink Eraser" | Nov. 25, 1879 | 16 | 961 |
| 1,948 | Pierson, Stanley K., Le Roy, N. Y. "Aindrieg's Universal Pain Reliever" | May 6, 1879 | 15 | 696 |
| 2,001 | Pinckney & Co., H. F. A., New York, N. Y. "Pinckney's Spices" | July 8, 1879 | 16 | 50 |

*List of labels registered during the year* 1879—Continued.

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|---|---|---|---|---|
| 2,012 | Pinckney & Co., H. F. A., New York, N. Y. "Finest Bermuda Arrow Root" | July 15, 1879 | 16 | 98 |
| 2,013 | Same....."Notice" (for ground spices) | July 15, 1879 | 16 | 98 |
| 2,014 | Same ....."Essence of Jamaica Ginger" | July 15, 1879 | 16 | 98 |
| 2,015 | Same....."Pinckney's Saleratus" | July 15, 1879 | 16 | 98 |
| 2,016 | Same....."Extra Genuine Mustard" | July 15, 1879 | 16 | 98 |
| 2,017 | Same....."Genuine East India Curry Powder" | July 15, 1879 | 16 | 98 |
| 2,018 | Same....."Indigo" | July 15, 1879 | 16 | 98 |
| 2,019 | Same....."Essence of Jamaica Ginger" | July 15, 1879 | 16 | 93 |
| 2,020 | Same....."Genuine East India Curry Powder" | July 15, 1879 | 16 | 98 |
| 2,021 | Same....."New Jamaica Allspice" | July 15, 1879 | 16 | 98 |
| 2,022 | Same....."Genuine Shot Pepper" | July 15, 1879 | 16 | 98 |
| 2,060 | Pinniger, William, and R. E. Queen, Reno, Nev. "Syrup of Figs" | Sept. 9, 1879 | 16 | 462 |
| 1,924 | Poindexter, Charles W., Charlottesville, Va. "Poindexter's Carbolic Mouth Elixir" | Apr. 15, 1879 | 15 | 558 |
| 1,961 | Porcelain Paint Company, Baltimore, Md. "Porcelain Paint Company" | May 13, 1879 | 15 | 738 |
| 1,896 | Prager, Myer W., New York, N. Y. "Surety" | Mar. 18, 1879 | 15 | 390 |
| 2,127 | Pratt, Charles, H. H. Rogers, and H. A. Pratt, New York, N. Y. "Natural Wool Oil" | Nov. 25, 1879 | 16 | 961 |
| | Pratt, Horace A. (*See* Pratt, Rogers & Pratt.) | | | |
| 2,142 | Pray, Mary E., New York, N. Y. "Beautiful Finger Nails" | Dec. 2, 1879 | 16 | 1007 |
| | Queen, Richard E. (*See* Pinniger & Queen.) | | | |
| 1,925 | Raas, Francis, Brooklyn, N. Y. "Homburg Tea" | Apr. 15, 1879 | 15 | 558 |
| 1,949 | Race, Albert R., J. W., W. W., and C. W., Raceville, Middle Granville, N. Y. "Race's Indian Blood Renovator" | May 6, 1879 | 15 | 696 |
| | Race, Charles W. (*See* Race, Albert R., J. W., W. W., and C. W.) | | | |
| | Race, Jonathan W. (*See* Race, Albert R., J. W., W. W., and C. W.) | | | |
| | Race, William W. (*See* Race, Albert R., J. W., W. W., and C. W.) | | | |
| 1,824 | Rano, Charles O., Buffalo, N. Y. "Compound Syrup of Tar, Wild Cherry, and Horehound" | Jan. 7, 1879 | 15 | 2 |
| 2,036 | Reeves, N. B., Brooklyn, N. Y. "Chemical Carbonizing Compound" | Aug. 12, 1879 | 16 | 270 |
| 1,859 | Rendigs, John, Cincinnati, Ohio. "Heinrich Beerenburg's Hollandisches Krauter-Elixir" | Feb. 11, 1879 | 15 | 166 |
| 1,823 | Richter, Adolph, Baltimore, Md. "Tasteless Castor Oil Emulsion" | Jan. 7, 1879 | 15 | 2 |
| 1,872 | Robbins, D. P., Union City, Pa. "Vaginal Specific" | Feb. 25, 1879 | 15 | 250 |
| 2,030 | Rogers, B. C., Springfield, Mass. "Lyons Parchment, Silk Finish" (for writing-paper) | Aug. 5, 1879 | 16 | 222 |
| | Rogers, Henry H. (*See* Pratt, Rogers & Pratt.) | | | |
| 2,004 | Rogers, William, Hartford, Conn. "Extra Heavily Plated Medium Knives" | July 8, 1879 | 16 | 50 |
| 2,033 | Same....."New Patterns, Marquis, Egyptian Tipped" | Aug. 12, 1879 | 16 | 270 |
| 2,034 | Same....."New Patterns, Linden, Countess, Venetian" | Aug. 12, 1879 | 16 | 270 |
| 2,125 | Romaine & Co., H. F., Albany, N. Y. "Face Wash" | Nov. 18, 1879 | 16 | 911 |
| 1,881 | Rosenblatt & Co., New York, N. Y. "Manufactured by Rosenblatt & Co." | Mar. 4, 1879 | 15 | 296 |
| 2,064 | Rushton, Frederick V., Astoria, N. Y. "Gg. Ss. Pp. Gin Salt Petre" | Sept. 16, 1879 | 16 | 502 |
| 1,822 | Russell Cutlery Company, John, Turner's Falls, Mass. "A Present for the Little Folks" | Jan. 7, 1879 | 15 | 2 |
| 2,080 | Sagar & Bowman, Auburn, N. Y. "Seward's Cough Cure" | Sept. 30, 1879 | 16 | 590 |
| | Sallade, W. A. (*See* Noble & Sallade.) | | | |
| 1,882 | Sawyer, Henry, Chelsea, Mass. "Berlin Sparkling Lager Beer" | Mar. 4, 1879 | 15 | 296 |
| 1,852 | Scherff, John P., Bloomfield, N. J. "Hooper's Cough Mixture" | Feb. 4, 1879 | 15 | 126 |
| 1,958 | Scheurmann, Emily, Baltimore, Md. "This Precious Ointment Cures all Diseases of the Skin," &c. | May 13, 1879 | 15 | 738 |
| 2,082 | Schlotterbeck, A. G., Deering, Mo. "Schlotterbeck's Concentrated Effervescent Solution of the Citro Tartrates" (for medicine) | Sept. 30, 1879 | 16 | 590 |
| 1,969 | Schmidt & Co., New York, N. Y. "Before the Mast" | May 20, 1879 | 15 | 782 |
| 1,825 | Scott & Bowne, New York, N. Y. "Scott & Bowne's Palatable Castor Oil in an Emulsion" | Jan. 7, 1879 | 15 | 2 |
| 2,120 | Shafer, I. Calvin, Caldwell Township, Essex County, N. J. "Shafer's Medicinal Blackberry Brandy" | Nov. 11, 1879 | 16 | 860 |
| 1,960 | Sherk, Wilson, Buffalo, N. Y. "Sherk's Indian Diarrhœa Cordial, &c." | May 13, 1879 | 15 | 738 |
| 1,974 | Simonds, W. H., Haverhill, Mass. "Simond's Glove and Ribbon Cleaner" | May 27, 1879 | 15 | 834 |
| 1,929 | Smith, Elam G., Kentland, Ind. "Smith's Asthma Cure" | Apr. 15, 1879 | 15 | 558 |
| 1,994 | Smith, John W., Allston, Mass. "Alaska Razor Hone" | June 24, 1879 | 15 | 1016 |
| 2,065 | Smith, Lee S., Allegheny, Pa. "Pure White Amalgam" | Sept. 16, 1879 | 16 | 502 |
| 2,112 | Solomons, Abraham A., Savannah, Ga. "Elixir of Saw Palmetto (Sabal Serrulata)" | Nov. 4, 1879 | 16 | 812 |
| 2,113 | Same....."Solomons' Inspissated Juice of Saw Palmetto (Sabal Serrulata)" | Nov. 4, 1879 | 16 | 812 |
| 2,114 | Same....."Solomons' Saccharated Oil of Saw Palmetto (Sabal Serrulata)" | Nov. 4, 1879 | 16 | 812 |
| 2,153 | Spiegel, Morris, Albany, N. Y. "Worm Killer" | Dec. 16, 1879 | 16 | 1099 |
| 1,933 | Squair, Frank, Chicago, Ill. "Pruneaux Laxatifs Laxative Fruit Lozenges" | Apr. 22, 1879 | 15 | 606 |
| 1,906 | Steketee, George G., Grand Rapids, Mich. "Geo. G. Steketee's Holland Root and Herb Bitters" | Mar. 25, 1879 | 15 | 248 |
| 2,119 | Sternberg, Edward G. and L. D., Buffalo, N. Y. "Drake's Arnica Cream" | Nov. 11, 1879 | 16 | 860 |
| | Sternberg, L. Drake. (*See* Sternberg, Edward G. and L. D.) | | | |
| 1,986 | Stevens & Marsh, New York, N. Y. "Carbolated Petroleum Salve" | June 17, 1879 | 15 | 972 |
| 1,987 | Same....."Carbolated Petroleum Soap" | June 17, 1879 | 15 | 972 |
| 1,941 | Stitzel, Frederick, Louisville, Ky. "Glencoe Distillery" | Apr. 29, 1879 | 15 | 652 |
| 1,920 | Stone, J. N., Natchez, Miss. "Purity Yeast Powder" | Apr. 8, 1879 | 15 | 508 |
| 1,995 | Same....."Cake and Biscuit Baking Powder" | June 24, 1879 | 15 | 1016 |
| 1,865 | Stone, S. T., Gainesborough, Tenn. "Neuralgia Cure" | Feb. 18, 1879 | 15 | 202 |
| 2,154 | Stone, V. R., Philadelphia, Pa. "Dr. V. R. Stone's Apepsia" (for medicine) | Dec. 16, 1879 | 16 | 1099 |
| 2,055 | Strassman, Max, San Francisco, Cal. "Strassman's Medicinal Wine Bitters" | Sept. 2, 1879 | 16 | 412 |
| 2,056 | Same....."Strassman's Febrifuge" | Sept. 2, 1879 | 16 | 412 |
| 2,104 | Same....."Strassman's Blood Renovator. The Best Alterative and Depurative ever Discovered" | Oct. 28, 1879 | 16 | 768 |
| 2,105 | Same....."Strassman's Radical Restorative" | Oct. 28, 1879 | 16 | 768 |
| 2,106 | Same....."Strassman's Reparative Balsam" | Oct. 28, 1879 | 16 | 768 |
| 1,868 | Strauss, Pritz & Co., Cincinnati, Ohio. "Small Grain Bourbon" | Feb. 25, 1879 | 15 | 249 |
| 2,128 | Strong, C. H., Chicago, Ill. "Arnica Jelly" | Dec. 2, 1879 | 16 | 1007 |
| 1,917 | Tankesley, J. A., Lynchburg, Va. "Tankesley's Vegetable Pain Destroyer" | Apr. 8, 1879 | 15 | 508 |
| | Taylor, Bumley. (*See* Byrd & Taylor.) | | | |
| 1,934 | Taylor & Co., J. L., Ottumwa, Iowa. "Holland Cough Syrup" | Apr. 22, 1879 | 15 | 606 |
| 1,942 | Same....."Holland Strengthening Tonic and Liver Invigorator" | Apr. 29, 1879 | 15 | 652 |
| 2,024 | Same....."Celebrated Peppermint Liniment" | July 15, 1879 | 16 | 98 |
| 1,926 | Thallon, John, New York, N. Y. "Empire Packing House" | Apr. 15, 1879 | 15 | 558 |
| 1,927 | Same....."Chelsea Packing House" | Apr. 15, 1879 | 15 | 558 |
| 1,959 | Thomas & Benham, New York, N. Y. "Spotless Family Flour" | May 13, 1879 | 15 | 738 |
| 1,862 | Thomas, Levi H., Reading, Mich. "Thomas' Black Ink, L. H. Thomas, Reading, Mich." | Feb. 18, 1879 | 15 | 202 |
| 2,095 | Thorp, J. & B., Philadelphia, Pa. "J. & B. Thorp's Penetrating Oil Liniment" | Oct. 14, 1879 | 16 | 682 |
| 2,011 | Tourtel & Gerrish, Boston, Mass. "Stone's Pure Cod Liver Oil" | July 15, 1879 | 16 | 98 |
| 1,988 | Trask, Asa G., New York, N. Y. "Label for Polishing Powder" | June 17, 1879 | 15 | 972 |
| 1,873 | Tufts, Albert C., Woodland, Cal. "Meadows' Liniment" | Feb. 25, 1879 | 15 | 250 |
| 1,892 | Ulmer, Robert, New York, N. Y. "Pallaso" | Mar. 11, 1879 | 15 | 344 |
| 2,121 | Union India Rubber Company, New York, N. Y. "Goodyear Storm Coat" | Nov 11, 1879 | 16 | 860 |
| 2,167 | Utzinger, Heinrich, New York, N. Y. "Dr. Utzinger's Alpine Herb Cure for Consumption" | Dec. 23, 1879 | 16 | 1143 |
| 1,893 | Van de Carr, Reuben D., Rochester, N. Y. "Van De Carr's No-Alum Baking Powder" | Mar. 11, 1879 | 15 | 344 |
| 1,996 | Van Den Bylardt, John E., Paterson, N. J. "Asiatic Cholera Drops, &c." | June 24, 1879 | 15 | 1016 |

*List of labels registered during the year* 1879—Continued.

| No. | Name, residence, and title. | Date. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|
| 2,081 | Vansteenburg, A., Bay City, Mich. "Rocky Mountain Pain-Plant Oil" | Sept. 30, 1879 | 16 | 590 |
| 2,068 | Waeferling, John, Newark, N. J. "Granulated Dirt Killer Soap" | Sept. 23, 1879 | 16 | 548 |
| 2,174 | Walkingshaw, M. G., and H. Hewitt, Batavia, N. Y. "Dr. Walkingshaw's Curative Bitters" | Dec. 30, 1879 | 16 | 1190 |
| 2,025 | Warner, Charles S., Springfield, Mass. "Hop Plaster" | July 15, 1879 | 16 | 98 |
| 2,051 | Warrick, William W., Denison, Iowa. "W. W. Warrick's Wonderful Asthma Cure" | Sept. 2, 1879 | 16 | 412 |
| 1,921 | Wetherill & Co., George D., Philadelphia, Pa. "Wetherill's Pure Tinted Lead" | Apr. 8, 1879 | 15 | 508 |
| 1,870 | White, E. B., Lancaster, Ohio. "White's Neuralgia Cure" | Feb. 25, 1879 | 15 | 249 |
| 1,918 | Whittier, Smith, Chicago, Ill. "James' Dandelion" | Apr. 8, 1879 | 15 | 508 |
| 1,919 | Same..... "James' Wine of Hops" | Apr. 8, 1879 | 15 | 508 |
| 1,851 | Wicke & Co., William, New York, N. Y. "Professor" | Feb. 4, 1879 | 15 | 126 |
| 1,883 | Same..... "Princess Louise" | Mar. 4, 1879 | 15 | 296 |
| 1,950 | Same..... "Red Robin" | May 6, 1879 | 15 | 696 |
| 1,951 | Same..... "Morning Glory" | May 6, 1879 | 15 | 696 |
| 1,975 | Same..... "Black and Tan" | May 27, 1879 | 15 | 834 |
| 1,848 | Wickham & Co., S. K., Oak Grove, Va. "Self-Speaking Liniment" | Jan. 28, 1879 | 15 | 88 |
| 1,902 | Wiessner, Oscar E. A., New York, N. Y. "Dr. White's Eye Balsam" | Mar. 18, 1879 | 15 | 390 |
| 2,052 | Wilkinson, James M., Pittsburg, Pa. "Wilkinson's Best" (for lead-pencils) | Sept. 2, 1879 | 16 | 412 |
| 2,048 | Williams, John C., Newark, N. J. "Dr. Williams' Celebrated Liniment" | Aug. 26, 1879 | 16 | 362 |
| 1,989 | Williams & Moore, Stockton, Cal. "Williams & Moore's Stockton Cure for Diphtheria or Putrid Sore Throat" | June 17, 1879 | 15 | 972 |
| 1,860 | Williams, Orange, Janesville, Wis. "Hale's Cough Cordial" | Feb. 11, 1879 | 15 | 166 |
| 2,002 | Williamson, E. C., Hazlehurst, Miss. "The Great German Liquid Liver Medicine and Tonic" | July 8, 1879 | 16 | 50 |
| 1,970 | Wilson, Alexander, Camden, N. J. "Compound Tar Porous Plaster" | May 20, 1879 | 15 | 782 |
| 2,079 | Wilson, Mary, Brooklyn, N. Y. "Dr. M. Wilson's Radical Cure" | Sept. 23, 1879 | 16 | 548 |
| 2,148 | Wilson Yeast and Manufacturing Company (limited), Waterloo, N. Y. "Wilson's Reliable Yeast" | Dec. 9, 1879 | 16 | 1053 |
| 1,913 | Wood, C. S., Rochester, N. Y. "Wood's Infallible Cough Remedy" | Apr. 1, 1879 | 15 | 466 |
| 1,876 | Worden, Homer, New York, N. Y. "Worden's Perfumed Ink" | Feb. 25, 1879 | 15 | 250 |
| | Worden, Stewart. (*See* Cunningham, Worden & Hillard.) | | | |

## ALPHABETICAL LIST OF INVENTIONS.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| A. | | | | | | | |
| Abdominal appliances for movement cure | D. T. Gale | 213, 044 | Mar. 11, 1879 | 330 | 93 | 15 | 348 |
| Abdominal supporter, Galvanic | G. W. Carpender | 211, 319 | Jan. 14, 1879 | 296 | 88 | 15 | 39 |
| Accordion | O. Stark | 212, 065 | Feb. 4, 1879 | 281 | 76 | 15 | 160 |
| Accordion and flute, Combined | C. Bernhardt | 221, 148 | Nov. 4, 1879 | 9 | 2, 3 | 16 | 813 |
| Acid, Manufacture of tartaric | H. Goldenberg | 221, 297 | Nov. 4, 1879 | 172 | - | 16 | 836 |
| Addressing attachment for printing-machines | J. M. Kennard | 220, 977 | Oct. 28, 1879 | 907 | 242 | 16 | 781 |
| Addressing-machine | D. F. Bell | 213, 315 | Mar. 18, 1879 | 648 | 183 | 15 | 397 |
| Addressing-machine | H. D. Farquharson | 217, 685 | July 22, 1879 | 876 | 250 | 16 | 145 |
| Adjustable bracket | R. S. Redman and P. B. Couklin | 213, 775 | Apr. 1, 1879 | 48 | 15 | 15 | 479 |
| Adjustable gate | F. Danzenbaker | 214, 112 | Apr. 8, 1879 | 455 | 129 | 15 | 537 |
| Adjustable gate | F. Danzenbaker | 219, 804 | Sept. 23, 1879 | 872 | 241 | 16 | 551 |
| Adjustable roller and stalk-cutter | W. H. Bowles | 218, 423 | Aug. 12, 1879 | 369 | 101 | 16 | 281 |
| Adjustable wrench | S. E. Hurlbut | 222, 787 | Dec. 23, 1879 | 790 | 227 | 16 | 1148 |
| Advertising attachment to street-lamps | S. Smith | 213, 785 | Apr. 1, 1879 | 60 | 19 | 15 | 480 |
| Advertising-case | J. R. Carney | 214, 810 | Apr. 29, 1879 | 1291 | 361 | 15 | 669 |
| Advertising-caster | J. H. Flynt | 213, 041 | Mar. 11, 1879 | 328 | 92 | 15 | 347 |
| Advertising device | F. J. Bailey | 214, 275 | Apr. 15, 1879 | 655 | 183 | 15 | 573 |
| Advertising device | J. J. Cohen | 222, 243 | Dec. 2, 1879 | 147 | 38 | 16 | 1028 |
| Advertising-frame | E. J. Morrell | 222, 934 | Dec. 23, 1879 | 959 | 275 | 16 | 1173 |
| Advertising-tablet | J. E. Phillips | 215, 665 | May 20, 1879 | 801 | 234 | 15 | 819 |
| Advertising-umbrella | A. J. Gruyer | 218, 382 | Aug. 12, 1879 | 320 | 88 | 16 | 274 |
| Aeration of water, Apparatus for showing the | L. C. Warner | 221, 433 | Nov. 11, 1879 | 344 | 95 | 16 | 869 |
| Aerator and refrigerator for beer and other liquids | C. P. Blatt | 220, 795 | Oct. 21, 1879 | 689 | 182 | 16 | 742 |
| Aerial machine | H. Badgley | 214, 546 | Apr. 22, 1879 | 986 | 277 | 15 | 622 |
| Aerial ship | W. F. Quinby | 218, 573 | Aug. 12, 1879 | 539 | 152 | 16 | 304 |
| Aerobat | J. J. Greenough | 220, 473 | Oct. 14, 1879 | 301 | 80 | 16 | 685 |
| Agate and other stones, Bleaching, coloring, and ornamenting. | A. Dreher | 220, 708 | Oct. 21, 1879 | 582 | ..... | 16 | 729 |
| Aging and purifying liquors, Apparatus for | C. H. Jacob and J. W. Lochner | 221, 316 | Nov. 4, 1879 | 199 | 54 | 16 | 839 |
| Aging liquors | M. G. Corey | 212, 195 | Feb. 11, 1879 | 437 | 120 | 15 | 184 |
| Aging spirits and alcoholic liquors | J. L. Martin | 222, 293 | Dec. 2, 1879 | 199 | 52 | 16 | 1036 |
| Agricultural engine | G. Kratz | 213, 511 | Mar. 25, 1879 | 851 | 242 | 15 | 432 |
| Agricultural implement | N. P. Neal and W. N. Stroud | 222, 151 | Dec. 2, 1879 | 40 | 11 | 16 | 1015 |
| Agricultural implement | J. W. Rudolph | 214, 709 | Apr. 22, 1879 | 1159 | 326 | 15 | 645 |
| Agricultural implement | E. Schlag | 217, 491 | July 15, 1879 | 640 | 182 | 16 | 105 |
| Agricultural implement | S. E. Woods and A. H. Whewell | 217, 036 | July 1, 1879 | 122 | 35, 36 | 16 | 18 |
| Air and gas compressor | W. F. Garrison | 214, 769 | Apr. 29, 1879 | 1239 | 347 | 15 | 663 |
| Air and steam engine combined | J. M. Whiting | 217, 758 | July 22, 1879 | 948 | 272 | 16 | 155 |
| Air and ventilating structures, Tempering and purifying. | J. Wilkinson | 218, 101 | July 29, 1879 | 1337 | 384 | 16 | 212 |
| Air-brake apparatus, Railway | G. Westinghouse, jr | 214, 603 | Apr. 22, 1879 | 1048 | 294 | 15 | 630 |
| Air-brake for railway-cars | R. Schultz | 220, 178 | Sept. 30, 1879 | 1298 | 358, 359 | 16 | 618 |
| Air-brakes, Relief-valve for | H. H. and T. C. Osgood | 212, 972 | Mar. 4, 1879 | 238 | 65 | 15 | 327 |
| Air-compressing apparatus | J. Treat | 221, 126 | Oct. 28, 1879 | 1070 | 283 | 16 | 802 |
| Air-compressing apparatus for locomotives | W. Jackson | 218, 029 | July 29, 1879 | 1260 | 360 | 16 | 202 |
| Air-compressor | J. Clayton | 222, 014 | Nov. 25, 1879 | 1029 | 288 | 16 | 979 |
| Air-compressor | W. Gardner | 221, 802 | Nov. 18, 1879 | 781 | 218 | 16 | 936 |
| Air-compressor | M. B. Harvey | 211, 570 | Jan. 21, 1879 | 579 | 163 | 15 | 77 |
| Air-compressor | W. Johnston | 221, 318 | Nov. 4, 1879 | 202 | 55 | 16 | 840 |
| Air-compressor | C. Moore | 216, 211 | June 3, 1879 | 211 | 63 | 15 | 912 |
| Air-compressor | J. B. Pitchford | 215, 540 | May 20, 1879 | 661 | 192 | 15 | 801 |
| Air-compressor | A. Spencer | 214, 465 | Apr. 15, 1879 | 868 | 244 | 15 | 601 |
| Air-compressor | W. P. Tatham | 222, 802 | Dec. 23, 1879 | 805 | 231 | 16 | 1150 |
| Air-compressor | W. Thomas | 217, 834 | July 22, 1879 | 1032 | 296 | 16 | 166 |
| Air-compressor | J. B. Waring | 217, 965 | July 29, 1879 | 1187 | 340 | 16 | 193 |
| Air-compressors, Device for supplying lubricating liquids to. | J. Clayton | 220, 123 | Sept. 30, 1879 | 1236 | 340 | 16 | 609 |
| Air-cooling apparatus | G. F. Meyer | 211, 417 | Jan. 14, 1879 | 402 | 115 | 15 | 52 |
| Air-cooling apparatus | P. P. Von Theinburg | 218, 145 | Aug. 5, 1879 | 46 | 13 | 16 | 226 |
| Air-cushion for invalid-beds | T. R. Johnson | 211, 741 | Jan. 28, 1879 | 792 | 222 | 15 | 108 |
| Air engine, Compressed | W. R. Eckart | 216, 563 | June 17, 1879 | 635 | 180 | 15 | 982 |
| Air engine, Compressed | R. Hardie and J. James | 216, 611 | June 17, 1879 | 690 | 197 | 15 | 990 |
| Air engine, Compressed | H. Matthes | 214, 050 | Apr. 8, 1879 | 373 | 105 | 15 | 528 |
| Air-engines, Apparatus for molding and casting heaters for. | A. K. Rider | 219, 412 | Sept. 9, 1879 | 419 | 116, 117 | 16 | 473 |
| Air-exhaust apparatus | J. Murphin | 220, 641 | Oct. 14, 1879 | 498 | 131 | 16 | 709 |
| Air-forcing apparatus | J. F. Barker | 221, 385 | Nov. 11, 1879 | 290 | 79 | 16 | 861 |
| Air from vessels, Apparatus for exhausting | T. G. F. Dolby | 221, 399 | Nov. 11, 1879 | 306 | 84 | 16 | 863 |
| Air-heater | J. T. Greenwood | 222, 395 | Dec. 9, 1879 | 315 | 89 | 16 | 1062 |
| Air-heater | W. Pickhardt | 212, 499 | Feb. 18, 1879 | 795 | 220 | 15 | 234 |
| Air-heating and cooking apparatus | W. Pickhardt | 214, 443 | Apr. 15, 1879 | 849 | 239 | 15 | 598 |
| Air-heating attachment | J. M. Patterson | 222, 528 | Dec. 9, 1879 | 470 | 133 | 16 | 1082 |
| Air-injecting nozzle | D. C. Green | 221, 726 | Nov. 18, 1879 | 683 | 191 | 16 | 924 |
| Air or vacuum railway-brakes, Diaphragm for | B. L. Stowe | 221, 980 | Nov. 25, 1879 | 999 | 279 | 16 | 975 |
| Air, Purifying, circulating, and rarifying | A. J. Chase | 215, 572 | May 20, 1879 | 699 | 205 | 15 | 805 |
| Air-tight preserving-package | A. J. Finnegan | 218, 868 | Aug. 26, 1879 | 912 | 255 | 16 | 373 |
| Air-tight vessels, Detachable cover for | F. C. Prindle | 213, 688 | Mar. 25, 1879 | 1047 | 298 | 15 | 457 |
| Alarm: *See* Burglar-alarm. Knob-alarm. Fire-alarm. Till-alarm. Fog-alarm. | | | | | | | |
| Alarm and door-knob, Combined | F. N. Cottle | 213, 547 | Mar. 25, 1879 | 895 | 255 | 15 | 437 |
| Alarm-lock | W. McAdams, jr | 217, 809 | July 22, 1879 | 1002 | 287 | 16 | 162 |
| Alarm-lock | T. N. Roberts | 213, 249 | Mar. 11, 1879 | 563 | 157 | 15 | 377 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Alarm-lock | T. N. Roberts | 216,219 | June 3,1879 | 220 | 65 | 15 | 913 |
| Album | J. Kena | 215,524 | May 20,1879 | 644 | 188 | 15 | 798 |
| Album-clasp | J. C. Koch, jr | 214,668 | Apr. 22,1879 | 1116 | 312 | 15 | 639 |
| Albumen for the production of molded articles, Treatment of. | J. Bliss | 213,733 | Apr. 1,1879 | 5 | ..... | 15 | 473 |
| Albumen from fish-spawn, Manufacture of | T. O. Alsing | 219,667 | Sept. 16,1879 | 707 | 196 | 16 | 519 |
| Alloy for coin | W. W. Hubbell | 211,630 | Jan. 28,1879 | 663 | ..... | 15 | 91 |
| Alloy for jewelry | W. W. Hubbell | 219,097 | Sept. 2,1879 | 45 | ..... | 16 | 418 |
| Alloy for journal-bearings | B. J. Downs | 221,400 | Nov. 11,1879 | 307 | 84 | 16 | 863 |
| Alloy for journal-bearings | D. Jackson | 217,946 | July 29,1879 | 1171 | 335 | 16 | 191 |
| Alloy for metric gold coin | W. W. Hubbell | 211,909 | Feb. 4,1879 | 100 | ..... | 15 | 138 |
| Alloy metal for metric silver coin and silverware | W. W. Hubbell | 219,265 | Sept. 2,1879 | 241 | ..... | 16 | 442 |
| Alloys, &c., Manufacture of | N. W. Williames | 212,077 | Feb. 4,1879 | 290 | ..... | 15 | 162 |
| Alloys, Solution for depositing nickle | W. Frishmuth and H. B. Van Tronk. | 223,210 | Dec. 30,1879 | 1274 | ..... | 16 | 1226 |
| Alumina and carbonate of soda, Manufacturing | C. V. Petraeus | 222,152 | Dec. 2,1879 | 41 | ..... | 16 | 1013 |
| Alumina and carbonate of soda, Manufacturing | C. V. Petraeus | 222,153 | Dec. 2,1879 | 42 | ..... | 16 | 1015 |
| Alumina and carbonate of soda, Manufacturing | C. V. Petraeus | 222,154 | Dec. 2,1879 | 43 | ..... | 16 | 1015 |
| Alumina, Manufacture of sulphate of | A. A. Croll | 221,787 | Nov. 18,1879 | 750 | ..... | 16 | 933 |
| Aluminous cake, Manufacture of | T. S. Harrison | 217,460 | July 15,1879 | 607 | ..... | 16 | 101 |
| Aluminous cake, Manufacture of | F. Laur | 220,720 | Oct. 21,1879 | 598 | ..... | 16 | 731 |
| Alluminium, Manufacture of | J. S. Howard | 220,148 | Sept. 30,1879 | 1263 | ..... | 16 | 613 |
| Alluminium, Manufacture of alloys of | J. S. Howard | 220,149 | Sept. 30,1879 | 1264 | ..... | 16 | 613 |
| Amalgamating apparatus, Vacuum | J. Absterdam | 221,990 | Nov. 25,1879 | 1008 | 282 | 16 | 976 |
| Amalgamating-pan | E. Coleman | 219,912 | Sept. 23,1879 | 982 | 273 | 16 | 567 |
| Amalgamating-pan | E. Coleman | 222,019 | Nov. 25,1879 | 1033 | 279 | 16 | 980 |
| Amalgamating-pans, Device for discharging | E. Coleman | 222,018 | Nov. 25,1879 | 1032 | 289 | 16 | 980 |
| Amalgamating-pans, Muller for | E. Coleman | 219,913 | Sept. 23,1879 | 983 | 273 | 16 | 567 |
| Amalgamating ores, Apparatus for | J. H. Rae | 215,672 | May 20,1879 | 807 | 236 | 15 | 820 |
| Amalgamating ores, Process and apparatus for | C. E. Ball | 212,644 | Feb. 25,1879 | 976 | 271 | 15 | 267 |
| Amalgamator | J. R. Abbe | 211,365 | Jan. 14,1879 | 346 | 101 | 15 | 45 |
| Amalgamator | P. Dickson | 212,907 | Mar. 4,1879 | 157 | 43 | 15 | 316 |
| Amalgamator | T. A. D. Forster and G. J. Firmin | 214,380 | Apr. 15,1879 | 785 | 221 | 15 | 589 |
| Amalgamator | A. T. Ladd | 220,978 | Oct. 28,1879 | 910 | 243 | 16 | 781 |
| Amalgamator | J. Michel | 211,248 | Jan. 7,1879 | 184 | 54 | 15 | 24 |
| Amalgamator | I. M. Pheips | 215,970 | May 27,1879 | 1140 | 331 | 15 | 871 |
| Amalgamator | P. Plant | 220,171 | Sept. 30,1879 | 1290 | 354, 355 | 16 | 616 |
| Amalgamator | J. B. Reynolds | 211,588 | Jan. 21,1879 | 602 | 169 | 15 | 80 |
| Amalgamator and concentrator | G. R. Evans | 216,564 | June 17,1879 | 636 | 180 | 15 | 982 |
| Amalgamator and settler | W. S. Shotwell | 211,939 | Feb. 4,1879 | 133 | 38, 39 | 15 | 143 |
| Amalgamator, Electric | J. O. Stewart | 218,918 | Aug. 26,1879 | 967 | 272 | 16 | 381 |
| Ammonia, Manufacture of muriate of | W. Gentles | 212,596 | Feb. 25,1879 | 929 | ..... | 15 | 261 |
| Ammonia, Manufacture of sulphate of | H. Grouven | 216,323 | June 10,1879 | 358 | 104 | 15 | 937 |
| Ammoniacal gas, Apparatus for obtaining dry | F. M. McMillan | 213,294 | Mar. 18,1879 | 628 | 177 | 15 | 394 |
| Ammunition-case | O. K. Buckhout | 217,508 | July 15,1879 | 658 | 187 | 16 | 108 |
| Anchor | C. E. Marshall | 211,474 | Jan. 21,1879 | 468 | 132 | 15 | 63 |
| Anchor | A. F. White | 212,340 | Feb. 18,1879 | 606 | 170 | 15 | 209 |
| Anchor, Power | E. S. Webster | 214,217 | Apr. 8,1879 | 565 | 160 | 15 | 551 |
| Anchor, Power | E. S. Webster | 221,131 | Oct. 28,1879 | 1076 | 284 | 16 | 802 |
| Anchor-shoe | E. F. Robbins | 214,792 | Apr. 29,1879 | 1269 | 355 | 15 | 666 |
| Angle-plate | G. K. Rix | 215,298 | May 13,1879 | 393 | 116 | 15 | 755 |
| Anglometer | J. V. Capek | 211,968 | Feb. 4,1879 | 166 | 48 | 15 | 147 |
| Animal-clamping hook | J. Robertson | 217,747 | July 22,1879 | 939 | 269 | 16 | 154 |
| Animal-power | J. F. McCreary | 216,205 | June 3,1879 | 205 | 61 | 15 | 911 |
| Animal-trap | S. J. Bennett | 212,430 | Feb. 18,1879 | 711 | 197 | 15 | 223 |
| Animal-trap | S. Earle | 214,119 | Apr. 8,1879 | 462 | 132 | 15 | 538 |
| Animal-trap | W. N. Fort | 217,602 | July 15,1879 | 766 | 217 | 16 | 122 |
| Animal-trap | J. M. Gleichman | 218,013 | July 29,1879 | 1242 | 355 | 16 | 200 |
| Animal-trap | J. M. Hawkins | 221,304 | Nov. 4,1879 | 182 | 50 | 16 | 837 |
| Animal-trap | C. Henry | 211,094 | Jan. 7,1879 | 17 | 6 | 15 | 3 |
| Animal-trap | C. H. Hollingshead | 218,175 | Aug. 5,1879 | 79 | 21 | 16 | 231 |
| Animal-trap | W. C. Hooker | 218,532 | Aug. 12,1879 | 496 | 138 | 16 | 298 |
| Animal-trap | J. M. Keep | 221,320 | Nov. 4,1879 | 205 | 56 | 16 | 840 |
| Animal-trap | J. Leibold | 219,959 | Sept. 23,1879 | 1034 | 288 | 16 | 574 |
| Animal-trap | J. H. Lewis | 211,751 | Jan. 28,1879 | 804 | 225 | 15 | 110 |
| Animal-trap | G. W. Lewthwaite | 221,329 | Nov. 4,1879 | 216 | 59 | 16 | 842 |
| Animal-trap | R. Lynex | 215,140 | May 6,1879 | 188 | 53 | 15 | 725 |
| Animal-trap | P. Mann | 214,934 | Apr. 29,1879 | 1418 | 394 | 15 | 686 |
| Animal-trap | C. Marti | 222,520 | Dec. 9,1879 | 460 | 131 | 16 | 1081 |
| Animal-trap | W. McArthur | 216,430 | June 10,1879 | 485 | 139 | 15 | 953 |
| Animal-trap | F. W. Milby | 216,287 | June 10,1879 | 319 | 94 | 15 | 932 |
| Animal-trap | F. M. Neal | 212,151 | Feb. 11,1879 | 382 | 104 | 15 | 177 |
| Animal-trap | A. P. Peabody | 215,390 | May 13,1879 | 475 | 142 | 15 | 767 |
| Animal-trap | T. G. Rice | 215,480 | May 20,1879 | 597 | 175 | 15 | 792 |
| Animal-trap | J. R. Spencer | 212,999 | Mar. 4,1879 | 267 | 74 | 15 | 331 |
| Animal-trap | W. J. Taber | 219,998 | Sept. 23,1879 | 1076 | 298 | 16 | 579 |
| Animal-trap | J. A. Novinger | 211,771 | Jan. 28,1879 | 822 | 231 | 15 | 112 |
| Animal-trap | P. E. Willford | 214,013 | Apr. 8,1879 | 319 | 92 | 15 | 522 |
| Animal-trap | G. W. Williams | 214,975 | Apr. 29,1879 | 1460 | 406 | 15 | 692 |
| Animal-trap | N. H. Williams and L. Chapman | 214,221 | Apr. 8,1879 | 570 | 161 | 15 | 552 |
| Animal-trap | W. Witt | 215,308 | May 13,1879 | 402 | 119 | 15 | 756 |
| Ankle-supporter | J. G. Pugsley | 212,261 | Feb. 11,1879 | 502 | 139 | 15 | 193 |
| Ankle-supporter | J. G. Pugsley | 216,106 | June 3,1879 | 102 | 30 | 15 | 898 |
| Anneaing apparatus | E. J. Watson | 222,969 | Dec. 23,1879 | 998 | 286 | 16 | 1178 |
| Annunciator, Bell | C. Pilout | 213,834 | Apr. 1,1879 | 112 | 34 | 15 | 487 |
| Annunciator conductors, Coupling for electric | H. M. Green | 219,936 | Sept. 23,1879 | 1009 | 281 | 16 | 570 |
| Annunciator, Electric | L. Finger | 213,282 | Mar. 18,1879 | 612 | 173 | 15 | 392 |
| Annunciator, Electric | C. W. Hubbard | 215,124 | May 6,1879 | 168 | 48, 49 | 15 | 722 |
| Annunciator, Electric | H. B. Porter | 214,261 | Apr. 15,1879 | 637 | 179 | 15 | 571 |
| Annunciator, Pneumatic | C. E. Zimdars | 222,343 | Dec. 2,1879 | 252 | 69 | 16 | 1044 |
| Annunciator, Speaking-tube | J. R. Creighton | 223,115 | Dec. 30,1879 | 1177 | 331 | 16 | 1212 |
| Annunciators, Circuit-closer for electric | C. C. Egerton and H. M. Green | 213,500 | Mar. 25,1879 | 840 | 238 | 15 | 430 |
| Annunciators, Electrical circuit-closer for hotel | F. Newhoff | 217,397 | July 8,1879 | 523 | 151 | 16 | 78 |
| Antiseptic and deodorizing compound | M. Burchard | 222,451 | Dec. 9,1879 | 378 | ..... | 16 | 1070 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Antiseptic compound | M. Bürchardt | 220, 121 | Sept. 30, 1879 | 1235 | 340 | 16 | 609 |
| Anvil | H. Wadsworth | 218, 343 | Aug. 5, 1879 | 261 | 70, 71 | 16 | 255 |
| Anvil and vise, Combined | J. W. Cheney | 220, 342 | Oct. 7, 1879 | 146 | 40 | 16 | 654 |
| Anvil and vise, Combined | J. W. Cheney | 221, 781 | Nov. 18, 1879 | 739 | 206 | 16 | 932 |
| Anvil and vise, Combined | G. B. St. John | 220, 886 | Oct. 21, 1879 | 784 | 209 | 16 | 755 |
| Anvil, Horseshoe-calk-welding | E. J. Parker | 221, 183 | Nov. 4, 1879 | 50 | 14 | 16 | 819 |
| Apple corer and cutter | N. B. Gunn and A. D. Mendenhall | 215, 605 | May 20, 1879 | 737 | 215 | 15 | 811 |
| Apple corer and slicer | A. Crowell | 215, 330 | May 13, 1879 | 422 | 125 | 15 | 759 |
| Apple-mill and cider-press | P. McClanahan | 213, 672 | Mar. 25, 1879 | 1032 | 293 | 15 | 455 |
| Aprons, Guide for endless | G. L. Jaeger | 218, 030 | July 29, 1879 | 1261 | 360 | 16 | 203 |
| Arches and floors, Apparatus for supporting centers for masonry. | W. Erwin | 215, 595 | May 20, 1879 | 727 | 212 | 15 | 809 |
| Arrow | N. R. Streeter | 219, 881 | Sept. 23, 1879 | 947 | 262 | 16 | 561 |
| Artist's kit | W. H. Brownell | 213, 166 | Mar. 11, 1879 | 481 | 133 | 15 | 366 |
| Ash-chute for buildings | W. P. Abendroth and J. Mersereau. | 223, 089 | Dec. 30, 1879 | 1146 | 323 | 16 | 1208 |
| Ash-receiver | E. M. Butz | 217, 197 | July 8, 1879 | 313 | 92 | 16 | 52 |
| Asphaltum pipe | T. H. Walsh | 221, 130 | Oct. 28, 1879 | 1075 | 284 | 16 | 802 |
| Aspirator, concealed uterine cauterizer, and vaginal syringe, Combined. | A. L. Palmer | 213, 588 | Mar. 25, 1879 | 938 | 267 | 15 | 442 |
| Assayer's self-calculating sample and button weigher | J. S. Phillips | 215, 477 | May 20, 1879 | 593 | 174 | 15 | 791 |
| Atmosphere, Apparatus for moistening the | J. G. Garland | 222, 888 | Dec. 23, 1879 | 904 | 261 | 16 | 1165 |
| Attrition-mill | H. A. Due, jr | 214, 243 | Apr. 15, 1879 | 612 | 174 | 15 | 567 |
| Attrition-mill | J. J. Hayes | 214, 295 | Apr. 15, 1879 | 674 | 189 | 15 | 576 |
| Audiphone | W. W. Bostwick | 221, 892 | Nov. 18, 1879 | 876 | 245 | 16 | 950 |
| Audiphone | R. S. Rhodes | 219, 828 | Sept. 23, 1879 | 897 | 247 | 16 | 554 |
| Auger | C. Brinton | 221, 391 | Nov. 11, 1879 | 298 | 81 | 16 | 862 |
| Auger | W. Heyer | 215, 744 | May 27, 1879 | 890 | 260 | 15 | 839 |
| Auger, Earth | A. H. Botsford | 216, 372 | June 10, 1879 | 419 | 120 | 15 | 945 |
| Auger, Earth | R. Elliot | 220, 132 | Sept. 30, 1879 | 1248 | 343 | 16 | 611 |
| Auger-handle | J. Edgecomb | 219, 808 | Sept. 23, 1879 | 877 | 241 | 16 | 552 |
| Auger, Hollow | W. A. Ives | 222, 051 | Nov. 25, 1879 | 1071 | 299 | 16 | 985 |
| Auger, Hollow | C. H. Miller | 221, 692 | Nov. 18, 1879 | 641 | 179 | 16 | 918 |
| Auger, Post-hole | C. A. Hudson | 219, 478 | Sept. 9, 1879 | 486 | 135 | 16 | 482 |
| Auger, Spoke-tenon | R. W. Eaton | 218, 721 | Aug. 19, 1879 | 713 | 203 | 16 | 336 |
| Automatic brakes, Regulating-valve for | G. Westinghouse, jr | 220, 556 | Oct. 14, 1879 | 404 | 105 | 16 | 697 |
| Automatic gate | M. Carter and J. F. Coppock | 211, 969 | Feb. 4, 1879 | 167 | 48 | 15 | 147 |
| Automatic gate | T. R. Cook | 217, 680 | July 22, 1879 | 870 | 248 | 16 | 144 |
| Automatic gate | J. B. Cottom | 218, 235 | Aug. 5, 1879 | 146 | 40 | 16 | 240 |
| Automatic gate | W. J. Hutchins | 216, 959 | July 1, 1879 | 37 | 11, 12 | 16 | 7 |
| Automatic gate | S. Small | 221, 368 | Nov. 4, 1879 | 257 | 69 | 16 | 848 |
| Automatic press-screw | E. M. Ivens | 213, 334 | Mar. 18, 1879 | 671 | 189 | 15 | 400 |
| Automatic ventilator | F. J. Crouch | 216, 313 | June 10, 1879 | 346 | 101 | 15 | 936 |
| Awl-handle | S. F. Merritt | 217, 668 | July 15, 1879 | 835 | 239 | 16 | 131 |
| Awning | E. C. Cook | 215, 437 | May 20, 1879 | 542 | 160 | 15 | 784 |
| Ax | W. H. Fix | 213, 646 | Mar. 25, 1879 | 1002 | 285 | 15 | 451 |
| Ax-pocket | A. Crosby | 216, 605 | June 17, 1879 | 685 | 196 | 15 | 989 |
| Ax-polls, Machine for making | D. W. and H. Johns and H. Embs | 214, 151 | Apr. 8, 1879 | 495 | 110 | 15 | 543 |
| Axle and axle-box, Carriage | B. N. Shelley | 217, 492 | July 15, 1879 | 641 | 183 | 16 | 105 |
| Axle and box, Vehicle | O. Robirds | 213, 071 | Mar. 11, 1879 | 361 | 102 | 15 | 352 |
| Axle and skein, Vehicle | N. L. Holmes | 214, 137 | Apr. 8, 1879 | 481 | 137 | 15 | 541 |
| Axle bearing, Car | H. W. Farley | 216, 165 | June 3, 1879 | 166 | 49, 50 | 15 | 906 |
| Axle box and journal, Vehicle | J. A. Manning | 217, 698 | July 22, 1879 | 889 | 253 | 16 | 147 |
| Axle box, Car | J. R. Baker | 213, 731 | Apr. 1, 1879 | 3 | 2 | 15 | 473 |
| Axle box, Car | M. M. Barry | 217, 319 | July 8, 1879 | 438 | 129 | 16 | 68 |
| Axle box, Car | T. A. Bissell | 221, 278 | Nov. 4, 1879 | 152 | 41 | 16 | 834 |
| Axle box, Car | J. H. Covel | 215, 508 | May 20, 1879 | 428 | 183 | 15 | 796 |
| Axle box, Car | D. A. Hopkins | 216, 517 | June 17, 1879 | 588 | 167 | 15 | 976 |
| Axle box, Car | T. Hostetter | 214, 662 | Apr. 22, 1879 | 1109 | 310 | 15 | 638 |
| Axle box, Car | T. V. Le Roy | 221, 737 | Nov. 18, 1879 | 693 | 194 | 16 | 925 |
| Axle box, Car | L. H. Montross | 211, 251 | Jan. 7, 1879 | 187 | 55 | 15 | 24 |
| Axle box, Car | R. C. Morris and H. H. McLane | 218, 131 | Aug. 5, 1879 | 27 | 8 | 16 | 224 |
| Axle box, Car | A. Onslow | 219, 009 | Aug. 26, 1879 | 1063 | 299 | 16 | 398 |
| Axle box, Car | D. Pinney | 215, 021 | May 6, 1879 | 42 | 13 | 15 | 708 |
| Axle box, Car | E. Robinson and J. W. Rusk | 220, 990 | Oct. 28, 1879 | 926 | 247 | 16 | 783 |
| Axle box, Car | F. W. Schroeder | 213, 842 | Apr. 1, 1879 | 120 | 36 | 15 | 488 |
| Axle box, Car | S. S. Sencenbaugh | 218, 834 | Aug. 26, 1879 | 870 | 244 | 16 | 367 |
| Axle box, Car | G. J. and S. J. Shimer | 212, 631 | Feb. 25, 1879 | 965 | 267 | 15 | 265 |
| Axle box, Car | J. N. Smith | 212, 755 | Feb. 25, 1879 | 1089 | 302, 303 | 15 | 282 |
| Axle box, Car | J. N. Smith | 212, 756 | Feb. 25, 1879 | 1092 | 303 | 15 | 283 |
| Axle box, Car | I. C. Terry and G. H. Sauer | 218, 084 | July 29, 1879 | 1317 | 378 | 16 | 210 |
| Axle box, Car | I. P. Wendell | 221, 259 | Nov. 4, 1879 | 131 | 35 | 16 | 830 |
| Axle box, Car | G. Wilkes and A. Port | 212, 179 | Feb. 13, 1879 | 411 | 112 | 15 | 181 |
| Axle box, Car | W. W. Worswick | 213, 082 | Mar. 11, 1879 | 374 | 105 | 15 | 353 |
| Axle-box lid, Car | A. P. Chase | 218, 928 | Aug. 26, 1879 | 977 | 274 | 16 | 383 |
| Axle-box lid, Car | J. Kinzer | 211, 854 | Feb. 4, 1879 | 39 | 13 | 15 | 131 |
| Axle-box lid, Car | O. J. Miller | 211, 579 | Jan 21, 1879 | 588 | 166 | 15 | 78 |
| Axle-box lid, Car | J. Seath | 213, 696 | Mar. 25, 1879 | 1054 | 300 | 15 | 458 |
| Axle-box lid, Car | S. S. Sencenbaugh | 215, 299 | May 13, 1879 | 394 | 117 | 15 | 755 |
| Axle-box lid, Car | A. R. Tiffany | 211, 533 | Jan. 21, 1879 | 534 | 151 | 15 | 71 |
| Axle box, Vehicle | B. Crowther | 218, 939 | Aug. 26, 1879 | 988 | 277 | 16 | 384 |
| Axle box, Vehicle | P. K. Hughes | 212, 382 | Feb. 18, 1879 | 650 | 182 | 15 | 215 |
| Axle box, Vehicle | H. Jones | 218, 275 | Aug. 5, 1879 | 188 | 51 | 16 | 246 |
| Axle box, Vehicle | J. A. Mackinnon | 214, 455 | Apr. 15, 1879 | 840 | 236 | 15 | 596 |
| Axle-boxes, Die for making | D. Dalzell | 216, 837 | June 24, 1879 | 958 | 272 | 15 | 1034 |
| Axle-box press | H. B. Andrews and O. W. Ball | 222, 646 | Dec. 16, 1879 | 634 | 181 | 16 | 1115 |
| Axle, Car | C. E. Barnes | 223, 095 | Dec. 30, 1879 | 1153 | 325 | 16 | 1209 |
| Axle, Car | G. W. Miltimore | 222, 833 | Dec. 23, 1879 | 842 | 241 | 16 | 1155 |
| Axle, Car | I. D. Sproull and L. R. Faught | 220, 441 | Oct. 7, 1879 | 253 | 68 | 16 | 670 |
| Axle, Car | H. Watkeys | 213, 597 | Mar. 25, 1879 | 946 | 269 | 15 | 443 |
| Axle, Car | H. Watkeys | 214, 069 | Apr. 8, 1879 | 414 | 117 | 15 | 532 |
| Axle, Car | S. D. Webster | 222, 108 | Nov. 25, 1879 | 1139 | 321 | 16 | 995 |
| Axle, Carriage | C. H. Kendall | 212, 387 | Feb. 18, 1879 | 657 | 184 | 15 | 217 |
| Axle, Carriage | H. Killam | 218, 443 | Aug. 12, 1879 | 387 | 107 | 16 | 283 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Axle, Carriage | H. Killam | 219,160 | Sept. 2, 1879 | 115 | 34 | 16 | 427 |
| Axle for wagons, Trussed | J. Herby | 212,378 | Feb. 18, 1879 | 645 | 181 | 15 | 215 |
| Axle lubricator, Car | S. J. and G. J. Shimer | 214,592 | Apr. 22, 1879 | 1037 | 291 | 15 | 629 |
| Axle lubricator, Vehicle | W. H. Brevoort | 214,876 | Apr. 29, 1879 | 1361 | 379 | 15 | 678 |
| Axle lubricator, Vehicle | F. Cresse and V. St. John | 219,347 | Sept. 9, 1879 | 344 | 97 | 16 | 464 |
| Axle lubricator, Vehicle | E. Gollipher | 212,684 | Feb. 25, 1879 | 1013 | 281 | 15 | 272 |
| Axle lubricator, Vehicle | J. V. Hinkle | 220,617 | Oct. 14, 1879 | 472 | 124 | 16 | 706 |
| Axle lubricator, Vehicle | C. A. Leonard | 217,885 | July 29, 1879 | 1103 | 317 | 16 | 183 |
| Axle lubricator, Vehicle | J. M. Smith | 213,461 | Mar. 18, 1879 | 790 | 222 | 15 | 416 |
| Axle lubricator, Vehicle | F. C. Wright | 211,539 | Jan. 21, 1879 | 540 | 153 | 15 | 72 |
| Axle nut, Vehicle | G. J. Dykes | 212,842 | Mar. 4, 1879 | 70 | 21 | 15 | 307 |
| Axle-skein | T. Shilling | 218,072 | July 29, 1879 | 1302 | 373 | 16 | 208 |
| Axle skein, Vehicle | N. L. Holmes | 216,615 | June 17, 1879 | 694 | 198 | 15 | 991 |
| Axle skein, Vehicle | C. Hotz | 213,990 | Apr. 8, 1879 | 295 | 85 | 15 | 519 |
| Axle skein, Vehicle | P. Neder | 218,053 | July 29, 1879 | 1283 | 367 | 16 | 206 |
| Axle, Vehicle | C W. Ball | 219,432 | Sept. 9, 1879 | 440 | 122 | 16 | 476 |
| Axle, Vehicle | C. W. Ball | 220,332 | Oct. 7, 1879 | 136 | 37 | 16 | 653 |
| Axle, Vehicle | E. D. Ives | 216,276 | June 10, 1879 | 305 | 89 | 15 | 930 |
| Axle, Vehicle | C. H. Kendall | 212,386 | Feb. 18, 1879 | 656 | 184 | 15 | 217 |
| Axle, Vehicle | P. B. Laskey and W. Arnold | 217,012 | July 1, 1879 | 89 | 27 | 16 | 14 |
| Axle, Vehicle | E. E. Lincoln | 213,117 | Mar. 11, 1879 | 420 | 116 | 15 | 358 |
| Axle, Vehicle | J. A. Manning | 219,962 | Sept. 23, 1879 | 1040 | 288 | 16 | 574 |
| Axle, Vehicle | L. A. Mayall | 211,764 | Jan. 28, 1879 | 814 | 229 | 15 | 111 |
| Axle, Vehicle | T. Reichelderfer and P. W. Wertz | 214,449 | Apr. 15, 1879 | 855 | 241 | 15 | 599 |
| Axle, Vehicle | O. B. Thompson | 217,027 | July 1, 1879 | 109 | 32 | 16 | 16 |
| Axle, Vehicle | E. A. Wible | 223,203 | Dec. 30, 1879 | 1268 | 359 | 16 | 1225 |
| Axle, Wagon | J. Frank | 218,956 | Aug. 26, 1879 | 1004 | 282 | 16 | 386 |
| Axles, Device for cutting and screw-threading metallic wagon. | C. S. Adams | 219,193 | Sept. 2, 1879 | 148 | 44 | 16 | 431 |
| Axles, Device for cutting and screw-threading wagon. | F. F. Gokey | 212,212 | Feb. 11, 1879 | 453 | 125 | 15 | 186 |
| Axles, Die for making flap | C. H. Babcock | 221,208 | Nov. 4, 1879 | 73 | 19 | 16 | 822 |
| Axles, Machine for cutting and screw-threading vehicle. | A. L. Lincoln | 219,641 | Sept. 16, 1879 | 679 | 188 | 16 | 516 |
| Axles, Machine for recutting wagon | A. D. Goodell | 222,820 | Dec. 23, 1879 | 827 | 237 | 16 | 1153 |
| Axles, Spring-washer for vehicle | D. Dalzell | 216,512 | June 17, 1879 | 582 | 166 | 15 | 975 |
| B. | | | | | | | |
| Baby-walker | J. L. Edel | 217,078 | July 1, 1879 | 172 | 50 | 16 | 24 |
| Bag: *See* Feed-bag. Grain-bag. Mail-bag. Nose-bag. Paper bag. Tobacco-bag. | | | | | | | |
| Bag | A. Smith | 222,425 | Dec. 9, 1879 | 350 | 99 | 16 | 1067 |
| Bag and sack fastener | C. R. Elliott | 221,292 | Nov. 4, 1879 | 167 | 45 | 16 | 835 |
| Bag-fastener | J. J. Boyer | 215,087 | May 6, 1879 | 117 | 35 | 15 | 717 |
| Bag-fastener | T. Cleary | 211,224 | Jan. 7, 1879 | 162 | 48 | 15 | 22 |
| Bag-fastener | G. Ernst | 216,385 | June 10, 1879 | 434 | 123 | 15 | 947 |
| Bag-fastener | I. W. Giles and B. S. Bryant | 222,032 | Nov. 25, 1879 | 1049 | 293 | 16 | 982 |
| Bag-fastener | A. Gleason | 215,736 | May 27, 1879 | 884 | 258 | 15 | 838 |
| Bag-fastener | C. Taylor | 218,333 | Aug. 5, 1879 | 249 | 68 | 16 | 254 |
| Bag-fastener | W. Terrell | 216,583 | June 17, 1879 | 660 | 187 | 15 | 986 |
| Bag-fastener | J. H. Wilhelm | 211,123 | Jan. 7, 1879 | 52 | 16 | 15 | 7 |
| Bag-holder | W. B. Allen | 218,654 | Aug. 19, 1879 | 643 | 181, 182 | 16 | 326 |
| Bag-holder | C. A. Bikle | 215,502 | May 20, 1879 | 621 | 182 | 15 | 795 |
| Bag-holder | W. F. Buckmann | 217,924 | July 29, 1879 | 1147 | 328 | 16 | 188 |
| Bag-holder | D. Geiser | 217,936 | July 29, 1879 | 1158 | 332 | 16 | 190 |
| Bag-holder | M. Pomroy | 221,251 | Nov. 4, 1879 | 122 | 33 | 16 | 829 |
| Bag-holder | J. A. Smith | 214,721 | Apr. 22, 1879 | 1171 | 330 | 15 | 646 |
| Bag-holder and truck, Combined | G. L. Price | 217,403 | July 8, 1879 | 530 | 152 | 16 | 79 |
| Bag-lock | W. Heller | 212,001 | Feb. 4, 1879 | 201 | 57 | 15 | 152 |
| Bag-tie | C. T. Wakeley | 220,319 | Oct. 7, 1879 | 124 | 34 | 16 | 652 |
| Bags, &c., Compound for preventing the destruction or rotting of. | E. Osgood | 216,290 | June 10, 1879 | 323 | ..... | 15 | 932 |
| Baggage-fastener and shawl-carrier | G. M. Young | 212,082 | Feb. 4, 1879 | 294 | 80 | 15 | 162 |
| Bagasse furnace | O. W. Hawk | 214,387 | Apr. 15, 1879 | 793 | 222 | 15 | 590 |
| Bail and lid holder, Pot | T. Morgan and J. F. Neidhart | 218,304 | Aug. 5, 1879 | 219 | 59 | 16 | 250 |
| Bail-ear and lifter attachment | C. F. Stites | 221,876 | Nov. 18, 1879 | 858 | 240 | 16 | 947 |
| Bail-ears to sheet-metal vessels, Attaching | G. W. Knapp | 219,275 | Sept. 2, 1879 | 251 | 71 | 16 | 443 |
| Bail for hollow ware | J. Murdock | 213,524 | Mar. 25, 1879 | 864 | 246 | 15 | 433 |
| Bails, Machine for making pail | L. Williams | 213,081 | Mar. 11, 1879 | 372 | 105 | 15 | 353 |
| Bait hook, Spoon | L. S. Hill | 211,906 | Feb. 4, 1879 | 95 | 28 | 15 | 133 |
| Bake-pan | G. Jackson | 219,731 | Sept. 16, 1879 | 772 | 213 | 16 | 528 |
| Baker's cabinet | W. L. Allen | 213,155 | Mar. 11, 1879 | 466 | 129 | 15 | 364 |
| Baking-pan | U. Wassmer and W. P. Yoe | 218,411 | Aug. 12, 1879 | 346 | 95 | 16 | 278 |
| Balance-wheel | J. V. Morton | 218,555 | Aug. 12, 1879 | 522 | 147 | 16 | 302 |
| Balances, Lever | C. F. Kleinsteuber | 212,559 | Feb. 25, 1879 | 887 | 245 | 15 | 255 |
| Balances, Platform | S. S. Hitchcock | 216,957 | July 1, 1879 | 34 | 10, 11 | 16 | 7 |
| Bale-band bender | L. Miller | 217,135 | July 1, 1879 | 232 | 67 | 16 | 32 |
| Bale-band bender | L. Miller | 220,636 | Oct. 14, 1879 | 492 | 129 | 16 | 709 |
| Bale-band tightener | P. N. Johnson | 217,224 | July 8, 1879 | 344 | 102 | 16 | 56 |
| Bale-band tightener | F. M. Logue | 214,256 | Apr. 15, 1879 | 629 | 177 | 15 | 569 |
| Bale-band tightener | L. Miller | 220,635 | Oct. 14, 1879 | 491 | 129 | 16 | 708 |
| Bale-band-tying machine | J. H. Matthews and C. R. Morehead, jr. | 220,541 | Oct. 14, 1879 | 380 | 99 | 16 | 694 |
| Bale-bands, Machine for tightening and tying | S. H. Gilman | 215,451 | May 20, 1879 | 559 | 165 | 15 | 787 |
| Bale pressing and sacking device | W. P. Groom | 219,718 | Sept. 16, 1879 | 759 | 210 | 16 | 527 |
| Bale-tie | D. F. Agnew | 217,255 | July 8, 1879 | 374 | 110 | 16 | 60 |
| Bale-tie | I. M. Camp | 222,241 | Dec. 2, 1879 | 146 | 37 | 16 | 1028 |
| Bale-tie | D. D. Cohen | 218,712 | Aug. 19, 1879 | 704 | 200 | 16 | 335 |
| Bale-tie | D. D. Cohen | 218,713 | Aug. 19, 1879 | 705 | 201 | 16 | 335 |
| Bale-tie | J. A. Dickinson | 211,713 | Jan. 28, 1879 | 754 | 211 | 15 | 104 |
| Bale-tie | S. N. Drake | 214,117 | Apr. 8, 1879 | 460 | 130 | 15 | 538 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Bale-tie | A. Gates | 215,909 | May 27, 1879 | 1080 | 313 | 15 | 863 |
| Bale-tie | R. H. Goldsmith | 221,051 | Oct. 28, 1879 | 999 | 265 | 16 | 792 |
| Bale-tie | A. Gratz and L. F. Jones | 220,021 | Sept. 30, 1879 | 1110 | 307 | 16 | 592 |
| Bale-tie | W. P. Groom | 220,235 | Oct. 7, 1879 | 31 | 8 | 16 | 639 |
| Bale-tie | N. A. Haven | 216,088 | June 3, 1879 | 88 | 25 | 15 | 896 |
| Bale-tie | E. Haiman | 218,260 | Aug. 5, 1879 | 173 | 46 | 16 | 244 |
| Bale-tie | W. Hill | 219,724 | Sept. 16, 1879 | 766 | 211 | 16 | 528 |
| Bale-tie | J. Johnson | 211,331 | Jan. 14, 1879 | 310 | 91 | 15 | 41 |
| Bale-tie | J. Johnson | 223,142 | Dec. 30, 1879 | 1205 | 340 | 16 | 1216 |
| Bale-tie | J. S. Kennedy | 215,755 | May 27, 1879 | 900 | 264 | 15 | 841 |
| Bale-tie | T. M. McNeely | 212,033 | Feb. 4, 1879 | 235 | 65 | 15 | 156 |
| Bale-tie | R. M. Pattillo | 222,073 | Nov. 25, 1879 | 1096 | 308 | 16 | 989 |
| Bale-tie | G. T. Pittman | 211,925 | Feb. 4, 1879 | 118 | 34 | 15 | 141 |
| Bale-tie | G. A. Porter | 211,927 | Feb. 4, 1879 | 118 | 34 | 15 | 141 |
| Bale-tie | T. R. Porter | 211,926 | Feb. 4, 1879 | 118 | 34 | 15 | 141 |
| Bale-tie | A. Rand | 218,314 | Aug. 5, 1879 | 229 | 62 | 16 | 251 |
| Bale-tie | W. H. Reane | 220,869 | Oct. 21, 1879 | 762 | 203 | 16 | 752 |
| Bale-tie | J. M. Robertson | 212,984 | Mar. 4, 1879 | 251 | 69 | 15 | 329 |
| Bale-tie | C. W. Shepard | 218,784 | Aug. 19, 1879 | 783 | 223 | 16 | 346 |
| Bale-tie | J. L. Sheppard | 218,144 | Aug. 5, 1879 | 44 | 12 | 16 | 226 |
| Bale-tie | E. C. Singer | 223,071 | Dec. 30, 1879 | 1122 | 318 | 16 | 1205 |
| Bale-tie | J. W. and J. H. Simmons | 219,600 | Sept. 16, 1879 | 620 | 173 | 16 | 508 |
| Bale-tie | R. G. Stewart | 219,993 | Sept. 23, 1879 | 1072 | 297 | 16 | 579 |
| Bale-tie | J. M. Van Derzee | 211,443 | Jan. 14, 1879 | 435 | 122 | 15 | 56 |
| Bale-tie buckle | T. J. McCaffrey, sr | 215,529 | May 20, 1879 | 651 | 190 | 15 | 799 |
| Bale tie, Cotton | H. A. Burr | 214,099 | Apr. 8, 1879 | 443 | 125 | 15 | 535 |
| Bale tie, Cotton | R. Fell, sr | 220,067 | Sept. 30, 1879 | 1176 | 323 | 16 | 601 |
| Bale tie, Cotton | T. J. Torrans | 218,600 | Aug. 12, 1879 | 567 | 160 | 16 | 308 |
| Bale-tie, Wire | A. Buckman | 216,997 | July 1, 1879 | 74 | 22 | 16 | 12 |
| Bale-ties, Device for applying | C. P. Higgins | 218,740 | Aug. 19, 1879 | 733 | 208 | 16 | 339 |
| Bale-ties, Device for forming | T. J. Torrans | 216,912 | June 24, 1879 | 1039 | 295 | 15 | 1044 |
| Bale-ties, Upset or turnover buckle for | J. L. Sheppard | 221,944 | Nov. 25, 1879 | 959 | 268 | 16 | 970 |
| Bales, Apparatus for repressing cotton | C. Ewing | 215,270 | May 13, 1879 | 349 | 101 | 15 | 750 |
| Bales, Covering for cotton | W. P. Groom | 212,925 | Mar. 4, 1879 | 183 | 51 | 15 | 320 |
| Bales from presses, Apparatus for ejecting | S. H. Gilman | 215,450 | May 20, 1879 | 558 | 164 | 15 | 737 |
| Bale-tying machine | C. P. Higgins | 218,741 | Aug. 19, 1879 | 733 | 209 | 16 | 339 |
| Baling fibrous material, Press for | G. D. Luce | 214,673 | Apr. 22, 1879 | 1121 | 314 | 15 | 640 |
| Baling-press | B. W. Arnold | 215,201 | May 13, 1879 | 268 | 79 | 15 | 739 |
| Baling-press | J. W. Cagle and J. W. Nichols | 220,802 | Oct. 21, 1879 | 697 | 184 | 16 | 743 |
| Baling-press | P. K. Dederick | 213,280 | Mar. 18, 1879 | 610 | 172 | 15 | 392 |
| Baling-press | P. K. Dederick | 214,282 | Apr. 15, 1879 | 662 | 185 | 15 | 574 |
| Baling-press | F. J. Gardner | 216,392 | June 10, 1879 | 441 | 126 | 15 | 948 |
| Baling-press | M. C. Hall | 218,525 | Aug. 12, 1879 | 489 | 136 | 16 | 297 |
| Baling-press | J. Howell | 212,227 | Feb. 11, 1879 | 466 | 129 | 15 | 188 |
| Baling-press | J. La Dow and C. Ensminger | 223,152 | Dec. 30, 1879 | 1214 | 343, 344 | 16 | 1218 |
| Baling-press | M. Loeser | 217,806 | July 22, 1879 | 999 | 286 | 16 | 162 |
| Baling-press | E. F. McGowen | 214,167 | Apr. 8, 1879 | 509 | 145 | 15 | 544 |
| Baling-press | I. T. McIntyre | 216,431 | June 10, 1879 | 486 | 139 | 15 | 953 |
| Baling-press | W. L. Morris | 220,859 | Oct. 21, 1879 | 752 | 201 | 16 | 751 |
| Baling-press | H. Parker | 216,694 | June 17, 1879 | 778 | 222 | 15 | 1002 |
| Baling-press | S. Stucky | 212,823 | Mar. 4, 1879 | 48 | 16 | 15 | 304 |
| Baling-press | J. M. Tichenor | 213,010 | Mar. 4, 1879 | 280 | 78 | 15 | 333 |
| Baling-press | J. Watson | 220,044 | Sept. 30, 1879 | 1145 | 316 | 16 | 596 |
| Baling-press | J. Wilkes | 214,540 | Apr. 22, 1879 | 979 | 275, 276 | 15 | 622 |
| Baling-press | J. Wohl | 215,854 | May 27, 1879 | 1024 | 298 | 15 | 856 |
| Baling-press | W. A. Wright | 217,037 | July 1, 1879 | 123 | 36 | 16 | 18 |
| Baling-press | G. Wyckoff | 214,544 | Apr. 22, 1879 | 984 | 277 | 15 | 622 |
| Baling-press registering device | B. Smith | 218,645 | Aug. 19, 1879 | 635 | 179 | 16 | 325 |
| Ball: | | | | | | | |
| *See* Toy return-ball. | | | | | | | |
| Balling-iron | E. A. A. Grange | 217,209 | July 8, 1879 | 326 | 96 | 16 | 53 |
| Balloon, Aerial | A. Apraxine | 213,603 | Mar. 25, 1879 | 953 | 271 | 15 | 444 |
| Ballot-box | T. Christiansen | 214,622 | Apr. 22, 1879 | 1068 | 299 | 15 | 633 |
| Ballot-box | J. Powell | 213,133 | Mar. 11, 1879 | 437 | 122 | 15 | 361 |
| Ball-trap | C. M. Adams | 214,801 | Apr. 29, 1879 | 1280 | 358 | 15 | 667 |
| Ball-trap | M. E. Card | 214,620 | Apr. 22, 1879 | 1066 | 299 | 15 | 633 |
| Ball-trap | W. C. Hinman | 221,306 | Nov. 4, 1879 | 183 | 51 | 16 | 837 |
| Ball-trap | T. M. Smith | 212,996 | Mar. 4, 1879 | 262 | 72 | 15 | 330 |
| Ball-trap | T. M. Smith | 214,962 | Apr. 29, 1879 | 1447 | 403 | 15 | 690 |
| Ball-trap | C. F. Stock and D. M. Morris | 217,424 | July 8, 1879 | 552 | 158 | 16 | 82 |
| Ball-trap | B. F. Wright | 216,590 | June 17, 1879 | 668 | 190 | 15 | 987 |
| Ball trap, Percussion | W. H. Plumb | 215,392 | May 13, 1879 | 477 | 142 | 15 | 767 |
| Balls out of leather scraps, &c., Machine for making | S. Brown | 216,305 | June 10, 1879 | 338 | 99 | 15 | 934 |
| Band-cutter | W. J. Kellar | 213,758 | Apr. 1, 1879 | 30 | 10 | 15 | 477 |
| Band cutter and fruit-picker, Wire | G. S. Curtis | 217,681 | July 22, 1879 | 872 | 249 | 16 | 145 |
| Band cutter, Wire | R. Conarroe | 215,100 | May 6, 1879 | 130 | 39 | 15 | 719 |
| Band tightening and tying apparatus | S. H. Gilman | 216,844 | June 24, 1879 | 965 | 275 | 15 | 1035 |
| Banjo | R. McManus | 215,647 | May 20, 1879 | 785 | 230 | 15 | 817 |
| Bar: | | | | | | | |
| *See* Car draw-bar. | | | | | | | |
| Clothes-bar. | | | | | | | |
| Draft-bar. | | | | | | | |
| Draw-bar. | | | | | | | |
| Furnace-grate bar. | | | | | | | |
| Grate-bar. | | | | | | | |
| Harvester finger-bar. | | | | | | | |
| Hitching-bar. | | | | | | | |
| Horseshoe-bar. | | | | | | | |
| Jail, prison, and grating bar. | | | | | | | |
| Ox-shoe-blank bar. | | | | | | | |
| Sewing-machine-needle bar. | | | | | | | |
| Skylight-bar. | | | | | | | |
| Switch-bar. | | | | | | | |
| Watch-chain bar. | | | | | | | |
| Barber's chair | L. Marx | 216,203 | June 3, 1879 | 203 | 60 | 15 | 911 |
| Barber's chair | A. Wekerle | 218,203 | Aug. 5, 1879 | 114 | 31 | 16 | 235 |
| Barber's reclining-chair | H. Hollstegge and A. Baumann | 218,972 | Aug. 26, 1879 | 1021 | 287 | 16 | 388 |
| Barges, boats, &c., Construction of | K. G. Jones | 221,412 | Nov. 11, 1879 | 320 | 87, 88 | 16 | 865 |
| Bark cutting and reducing machine | W. Chicken | 220,274 | Oct. 7, 1879 | 70 | 19 | 16 | 644 |

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|---|---|---|---|---|---|---|---|
| Bark-mill | C. P. Ryther | 220,945 | Oct. 28, 1879 | 867 | 232 | 16 | 775 |
| Bark-reducing machine | W. E. Nickerson | 211,666 | Jan. 28, 1879 | 708 | 198 | 15 | 97 |
| Bark-reducing machine | W. Shaw | 211,798 | Jan. 28, 1879 | 859 | 240 | 15 | 117 |
| Bark-reducing machine | W. Shaw | 221,870 | Nov. 18, 1879 | 853 | 238 | 16 | 947 |
| Barn | D. Jennings | 218,031 | July 29, 1879 | 1262 | 361 | 16 | 203 |
| Barrel | L. Gardner and J. B. Butterfield | 211,146 | Jan. 7, 1879 | 73 | 23 | 15 | 10 |
| Barrel and cask scrubbing machine | C. Pohl | 213,447 | Mar. 18, 1879 | 778 | 219 | 15 | 414 |
| Barrel-branding machine | C. G. Singer | 220,997 | Oct. 28, 1879 | 936 | 249, 250 | 16 | 784 |
| Barrel-carrier | J. H. Flynn | 215,344 | May 13, 1879 | 434 | 129 | 15 | 761 |
| Barrel, cask, &c | J. F. Budke | 220,340 | Oct. 7, 1879 | 144 | 39 | 16 | 654 |
| Barrel-chock | G. S. Jewell | 213,203 | Mar. 11, 1879 | 516 | 143 | 15 | 371 |
| Barrel cleanser and washer | C. Glismann | 218,621 | Aug. 19, 1879 | 611 | 172 | 16 | 322 |
| Barrel-cover | L. Black and R. D. McManigal | 213,316 | Mar. 18, 1879 | 649 | 183, 184 | 15 | 397 |
| Barrel-cover | C. Brinton | 212,350 | Feb. 18, 1879 | 616 | 173 | 15 | 211 |
| Barrel-cover attachment | H. C. Reynolds and W. H. Brown | 211,787 | Jan. 28, 1879 | 845 | 236 | 15 | 115 |
| Barrel-cover, Canvas | F. G. Johnson | 223,048 | Dec. 30, 1879 | 1094 | 311 | 16 | 1201 |
| Barrel-crozing machine | W. L. Field | 211,898 | Feb. 4, 1879 | 86 | 25 | 15 | 137 |
| Barrel-crozing machine | T. McKeever | 215,646 | May 20, 1879 | 784 | 229 | 15 | 817 |
| Barrel-head | F. G. Johnson | 222,791 | Dec. 23, 1879 | 794 | 228 | 16 | 1149 |
| Barrel-holding clamp | A. Shedlock | 220,995 | Oct. 28, 1879 | 933 | 249 | 16 | 784 |
| Barrel-hoop | J. Hartsook | 217,370 | July 8, 1879 | 497 | 144 | 16 | 75 |
| Barrel-hoop, Corrugated | A. Eiselein | 219,351 | Sept. 9, 1879 | 347 | 98 | 16 | 464 |
| Barrel-making machine | S. P. Hodgen | 211,330 | Jan. 14, 1879 | 307 | 91 | 15 | 41 |
| Barrel pivot-clutch | W. H. Hollenbeck | 221,819 | Nov. 18, 1879 | 798 | 222 | 16 | 938 |
| Barrel-roller | C. A. Wolff | 219,554 | Sept. 9, 1879 | 560 | 157 | 16 | 492 |
| Barrel safety attachment | J. T. Flynn | 222,029 | Nov. 25, 1879 | 1044 | 293 | 16 | 981 |
| Barrel-stand | J. Salter | 217,749 | July 22, 1879 | 940 | 270 | 16 | 154 |
| Barrel-stand | L. D. West | 217,563 | July 15, 1879 | 720 | 205 | 16 | 116 |
| Barrel-support | C. Stoll | 220,259 | Oct. 7, 1879 | 55 | 14 | 16 | 642 |
| Barrel-swinger for store-counters | L. Eckert | 217,077 | July 1, 1879 | 171 | 50 | 16 | 24 |
| Barrel-trussing machine | M. L. Deering | 219,228 | Sept. 2, 1879 | 195 | 58 | 16 | 437 |
| Barrel-trussing machine | H. W. King | 211,914 | Feb. 4, 1879 | 105 | 30 | 15 | 139 |
| Barrels, Handling | R. S. Clark and J. R. Wilhelm | 213,545 | Mar. 25, 1879 | 893 | 254 | 15 | 437 |
| Barrels, Manufacture of wooden | T. Hanvey | 211,628 | Jan. 28, 1879 | 661 | 186 | 15 | 91 |
| Barrels, Rack for tiering | F. Stitzel | 221,945 | Nov. 25, 1879 | 961 | 269 | 16 | 970 |
| Barrels, &c., with liquids, Apparatus for filling | C. M. Trautman and W. H. Humphreys. | 220,509 | Oct. 14, 1879 | 342 | 90 | 16 | 690 |
| Base and cap plate | R. Miller | 215,533 | May 20, 1879 | 655 | 191 | 15 | 800 |
| Basin, Catch | J. B. H. Nolte | 213,832 | Apr. 1, 1879 | 109 | 33 | 15 | 487 |
| Basin, Wash | G. W. Dean | 215,891 | May 27, 1879 | 1059 | 309 | 15 | 860 |
| Basins, Cleansing device for wash | J. L. Hutchinson | 215,928 | May 27, 1879 | 1097 | 318 | 15 | 865 |
| Basins, Discharge-plug for wash | J. S. Gilbert | 219,712 | Sept. 16, 1879 | 754 | 208 | 16 | 526 |
| Basket | E. D. Ballou | 217,572 | July 15, 1879 | 729 | 208 | 16 | 117 |
| Basket | L. W. Beecher | 212,585 | Feb. 25, 1879 | 917 | 253 | 15 | 259 |
| Basket | S. Friend | 212,679 | Feb. 25, 1879 | 1008 | 280 | 15 | 271 |
| Basket | W. H. Gage | 211,984 | Feb. 4, 1879 | 184 | 52 | 15 | 150 |
| Basket | W. Schneider | 215,168 | May 6, 1879 | 214 | 62 | 15 | 729 |
| Basket | L. Stevens | 211,353 | Jan. 14, 1879 | 332 | 97 | 15 | 43 |
| Basket | A. Ulrich | 214,265 | Apr. 15, 1879 | 641 | 180 | 15 | 571 |
| Basket | C. M. Whitehead | 217,968 | July 29, 1879 | 1191 | 341 | 16 | 194 |
| Basket-cover fastening | W. I. Winne | 221,203 | Nov. 4, 1879 | 69 | 18 | 16 | 821 |
| Basket, Metallic | J. D. Clark and W. Wells | 221,522 | Nov. 11, 1879 | 453 | 123 | 16 | 883 |
| Bat, Game | J. O'Neil | 223,163 | Dec. 30, 1879 | 1225 | 346 | 16 | 1219 |
| Bath: *See* Hot-air bath. Vapor-bath. Portable bath. | | | | | | | |
| Bath-tub | F. W. Ningard | 217,635 | July 15, 1879 | 796 | 226 | 16 | 126 |
| Bath-tub | C. F. Wolters | 212,081 | Feb. 4, 1879 | 293 | 80 | 15 | 162 |
| Bathing apparatus | W. Wasson | 211,874 | Feb. 4, 1879 | 58 | 18 | 15 | 133 |
| Bathing purposes, Surf-hut for | C. S. Homer | 220,147 | Sept. 30, 1879 | 1262 | 347 | 16 | 613 |
| Battery: *See* Galvanic battery. Stamp-battery. | | | | | | | |
| Battery | P. Jablochkoff | 219,056 | Aug. 26, 1879 | 1111 | 312 | 16 | 400 |
| Battery-carbons, Connector for | W. H. Rodgers | 217,023 | July 1, 1879 | 105 | 30 | 16 | 16 |
| Batting, Package of cotton | G. M. Hamlin | 213,046 | Mar. 11, 1879 | 331 | 93 | 15 | 348 |
| Bayonet, Intrenching knife | S. C. Lyford | 212,244 | Feb. 11, 1879 | 483 | 134 | 15 | 190 |
| Bayonet, Wiping-rod | E. L. Zalinski | 219,424 | Sept. 9, 1879 | 434 | 120 | 16 | 474 |
| Beads, Stringing | S. M. and J. C. Lewis | 213,215 | Mar. 11, 1879 | 526 | 146 | 15 | 373 |
| Bean-puller | H. B. Morrison | 223,003 | Dec. 30, 1879 | 1043 | 299 | 16 | 1195 |
| Bearing, Adjustable | C. G. Burkhardt | 223,029 | Dec. 30, 1879 | 1071 | 306 | 16 | 1199 |
| Bed | S. J. Dailey | 215,579 | May 20, 1879 | 710 | 207 | 15 | 807 |
| Bed | J. L. McKeever | 217,632 | July 15, 1879 | 794 | 226 | 16 | 125 |
| Bed and chair, Convertible | G. L. Godfrey and G. B. Haskell | 220,232 | Oct. 7, 1879 | 27 | 8 | 16 | 638 |
| Bed attachment, Invalid | R. O'Donnell | 221,346 | Nov. 4, 1879 | 235 | 64 | 16 | 845 |
| Bed-bottom | A. D. Campbell | 222,177 | Dec. 2, 1879 | 68 | 16 | 16 | 1018 |
| Bed-bottom | E. P. Corwin | 218,117 | Aug. 5, 1879 | 12 | 4 | 16 | 222 |
| Bed-bottom | J. Flinn | 212,451 | Feb. 18, 1879 | 742 | 204, 205 | 15 | 227 |
| Bed-bottom | J. C. Gordon | 213,561 | Mar. 25, 1879 | 910 | 260 | 15 | 439 |
| Bed-bottom | S. Hawker | 212,930 | Mar. 4, 1879 | 189 | 52 | 15 | 320 |
| Bed-bottom | E. Johnson | 215,130 | May 6, 1879 | 178 | 51 | 15 | 724 |
| Bed-bottom | F. D. Kennedy | 215,631 | May 20, 1879 | 767 | 224 | 15 | 815 |
| Bed-bottom | A. C. Langworthy | 213,115 | Mar. 11, 1879 | 418 | 115 | 15 | 358 |
| Bed-bottom | W. H. Leininger | 212,954 | Mar. 4, 1879 | 212 | 60 | 15 | 324 |
| Bed-bottom | J. P. Mallette | 221,586 | Nov. 11, 1879 | 524 | 143 | 16 | 894 |
| Bed-bottom | E. L. Matteson | 215,528 | May 20, 1879 | 648 | 189 | 15 | 799 |
| Bed-bottom | W. J. Myers | 212,816 | Mar. 4, 1879 | 39 | 13 | 15 | 302 |
| Bed-bottom | J. P. Radley | 218,686 | Aug. 19, 1879 | 678 | 192 | 16 | 332 |
| Bed-bottom and fire-escape | F. Swinden and A. Buxton | 211,275 | Jan. 7, 1879 | 215 | 63 | 15 | 28 |
| Bed-bottom, Spring | W. B. Allen | 215,200 | May 13, 1879 | 267 | 79 | 15 | 739 |
| Bed-bottom, Spring | H. Baer | 213,803 | Apr. 1, 1879 | 78 | 25 | 15 | 483 |
| Bed-bottom, Spring | R. S. Baldwin | 218,851 | Aug. 26, 1879 | 893 | 250 | 16 | 370 |
| Bed-bottom, Spring | A. S. Burnham | 212,656 | Feb. 25, 1879 | 988 | 274 | 15 | 268 |

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| Bed-bottom, Spring | W. A. Bury | 218,927 | Aug. 26, 1879 | 976 | 274 | 16 | 382 |
| Bed-bottom, Spring | W. B. Crich | 212,443 | Feb. 18, 1879 | 727 | 201 | 15 | 226 |
| Bed-bottom, Spring | E. T. Gilmore | 212,211 | Feb. 11, 1879 | 452 | 124 | 15 | 186 |
| Bed-bottom, Spring | C. N. Homan | 211,650 | Jan. 28, 1879 | 699 | 196 | 15 | 96 |
| Bed-bottom, Spring | A. Iske | 212,009 | Feb. 4, 1879 | 212 | 60 | 15 | 153 |
| Bed-bottom, Spring | F. C. Mitchell | 214,685 | Apr. 22, 1879 | 1132 | 318 | 15 | 641 |
| Bed-bottom, Spring | D. B. Peck | 216,057 | June 3, 1879 | 56 | 15 | 15 | 892 |
| Bed-bottom, Spring | S. H. Reeves | 221,190 | Nov. 4, 1879 | 56 | 15 | 16 | 819 |
| Bed-bottom, Spring | B. Schapker | 215,482 | May 20, 1879 | 598 | 176 | 15 | 792 |
| Bed-bottom, Spring | J. C. Schmidt | 211,264 | Jan. 7, 1879 | 204 | 59 | 15 | 26 |
| Bed-bottom, Spring | C. T. Segar | 222,955 | Dec. 23, 1879 | 982 | 282 | 16 | 1176 |
| Bed-bottom, Spring | J. I. Wheeler | 219,190 | Sept. 2, 1879 | 145 | 43 | 16 | 431 |
| Bed-bottom, Spring | L. Wildermuth | 220,557 | Oct. 14, 1879 | 407 | 106 | 16 | 697 |
| Bed-bottom, Spring | P. Williams | 215,702 | May 20, 1879 | 839 | 245 | 15 | 824 |
| Bed, Cabinet | L. C. Boyington | 219,342 | Sept. 9, 1879 | 337 | 95 | 16 | 463 |
| Bed, Cabinet | F. Koskul | 218,678 | Aug. 19, 1879 | 670 | 190 | 16 | 330 |
| Bed-clothing | O. S. Baker | 218,420 | Aug. 12, 1879 | 361 | 99 | 16 | 280 |
| Bed, Cot | O. Howe | 222,629 | Dec. 16, 1879 | 608 | 173 | 16 | 1111 |
| Bed-covering | D. K. Cartter | 211,221 | Jan. 7, 1879 | 158 | 47 | 15 | 21 |
| Bed, Crib | C. F. Bostwick and A. K. Riblet | 215,040 | May 6, 1879 | 62 | 10 | 15 | 710 |
| Bed, cushion, and like stuffings, and carpet-lining, Treating. | W. M. Blakeman, jr | 219,142 | Sept. 2, 1879 | 94 | ..... | 16 | 425 |
| Bed, Folding cot | H. W. Ladd, T. B. Raymond, and J. I. Spencer. | 216,194 | June 3, 1879 | 195 | 58 | 15 | 909 |
| Bed, Invalid | J. H. Archer | 221,952 | Nov. 25, 1879 | 967 | 270, 271 | 16 | 971 |
| Bed, Invalid | W. S. Groff | 218,016 | July 29, 1879 | 1245 | 356 | 16 | 201 |
| Bed, Invalid | A. W. Southard and V. R. Sears | 212,757 | Feb. 25, 1879 | 1094 | 303 | 15 | 283 |
| Bed-lounge | L. W. Ott | 219,010 | Aug. 26, 1879 | 1064 | 300 | 16 | 393 |
| Bed or bed-bottom, Spring | E. A. Jeffery | 221,317 | Nov. 4, 1879 | 200 | 545 | 16 | 840 |
| Bed, Spring | M. A. Bronson | 216,142 | June 3, 1879 | 141 | 42 | 15 | 903 |
| Bed, Spring | W. S. Gray | 221,054 | Oct. 28, 1879 | 1001 | 266 | 16 | 793 |
| Bed, Spring | H. Henley | 221,555 | Nov. 11, 1879 | 490 | 124 | 16 | 888 |
| Bed, Spring | D. Kellogg | 218,983 | Aug. 26, 1879 | 1035 | 291 | 16 | 390 |
| Bed, Spring | C. T. Segar | 215,981 | May 27, 1879 | 1149 | 334 | 15 | 872 |
| Bed, Spring | A. Underwood | 216,634 | June 17, 1879 | 712 | 204 | 15 | 993 |
| Bed-stuffings. Composition for | W. M. Blakeman, jr | 219,141 | Sept. 2, 1879 | 93 | .... | 16 | 424 |
| Bedstead, Adjustable cot | J. B. Howe and S. Perry | 219,264 | Sept. 2, 1879 | 240 | 68 | 16 | 442 |
| Bedstead, Cabinet | M. Crosby | 214,110 | Apr. 8, 1879 | 453 | 128 | 15 | 537 |
| Bedstead, Cabinet | J. M. Montgomery, jr | 214,416 | Apr. 15, 1879 | 824 | 231 | 15 | 594 |
| Bedstead, Cabinet | J. W. Stanton | 213,001 | Mar. 4, 1879 | 269 | 74, 75 | 15 | 331 |
| Bedstead, Dressing-case | H. A. J. Rieckert | 220,173 | Sept. 30, 1879 | 1292 | 355, 356 | 16 | 617 |
| Bedstead-fastener | M. Krickl | 217,802 | July 22, 1879 | 995 | 285 | 16 | 162 |
| Bedstead-fastening | P. Forg | 222,129 | Dec. 2, 1879 | 14 | 4 | 16 | 1010 |
| Bedstead, Folding | S. S. Burr | 222,379 | Dec. 9, 1879 | 298 | 82 | 16 | 1060 |
| Bedstead, Invalid | G. D'Haisne | 217,999 | July 29, 1879 | 1226 | 351 | 16 | 198 |
| Bedstead, Invalid | J. D. Sinclair | 211,114 | Jan. 7, 1879 | 42 | 13 | 15 | 6 |
| Bedstead, Invalid | P. K. Stice and W. H. King | 213,706 | Mar. 25, 1879 | 1062 | 302 | 15 | 459 |
| Bedstead, Sofa | A. N. Hornung | 212,312 | Feb. 18, 1879 | 568 | 159 | 15 | 205 |
| Bedstead, Wardrobe | H. P. Blackman | 212,348 | Feb. 18, 1879 | 614 | 172 | 15 | 210 |
| Bedstead, Wardrobe | M. Dupre | 219,078 | Sept. 2, 1879 | 25 | 8 | 16 | 415 |
| Bedstead, Wardrobe | E. E. Everitt | 215,727 | May 27, 1879 | 875 | 256 | 15 | 837 |
| Bedstead, Wardrobe | D. A. and W. P. Green and J. H. Roberts. | 211,844 | Feb. 4, 1879 | 21 | 7 | 15 | 129 |
| Bedstead, Wardrobe | E. Kiss | 215,134 | May 6, 1879 | 182 | 52 | 15 | 724 |
| Bedstead, Wardrobe | F. R. Wolfinger | 221,262 | Nov. 4, 1879 | 133 | 36, 37 | 16 | 831 |
| Bee-hive | J. Barnes | 221,999 | Nov. 25, 1879 | 1017 | 285 | 16 | 977 |
| Bee-hive | D. P. Bower | 220,747 | Oct. 21, 1879 | 625 | 167 | 16 | 735 |
| Bee-hive | J. M. Byrd and W. H. Perkins | 215,569 | May 20, 1879 | 696 | 204 | 15 | 805 |
| Bee-hive | J. M. Dixon and H. T. Herron | 219,626 | Sept. 16, 1879 | 657 | 183 | 16 | 513 |
| Bee-hive | W. J. Driver | 212,594 | Feb. 25, 1879 | 928 | 257 | 15 | 260 |
| Bee-hive | J. P. Karr | 212,949 | Mar. 4, 1879 | 207 | 59 | 15 | 323 |
| Bee-hive | J. J. Lawson | 213,212 | Mar. 11, 1879 | 524 | 146 | 15 | 372 |
| Bee-hive | J. R. Madison | 218,822 | Aug. 26, 1879 | 851 | 239, 240 | 16 | 365 |
| Bee-hive | G. B. Pitts | 211,779 | Jan. 28, 1879 | 836 | 234 | 15 | 114 |
| Bee-hive | C. W. Sappenfield | 221,425 | Nov. 11, 1879 | 334 | 92 | 16 | 867 |
| Bee-hive | G. W. Sharp | 223,067 | Dec. 30, 1879 | 1115 | 316, 317 | 16 | 1204 |
| Bee-hive | D. W. Smith | 211,869 | Feb. 4, 1879 | 55 | 17 | 15 | 133 |
| Bee-hive | J. Truax | 216,475 | June 10, 1879 | 532 | 152 | 15 | 960 |
| Bee-hive | J. J. Ward | 217,306 | July 8, 1879 | 425 | 125 | 16 | 66 |
| Bee-hive | E. P. Weyer and H. C. White | 218,097 | July 29, 1879 | 1331 | 382, 383 | 16 | 212 |
| Bee-hive | T. P. Williamson | 211,537 | Jan. 21, 1879 | 538 | 152 | 15 | 72 |
| Bee-hive | M. Wright | 219,134 | Sept. 2, 1879 | 88 | 27 | 16 | 424 |
| Bee-hive | N. Zink | 212,828 | Mar. 4, 1879 | 55 | 17 | 15 | 305 |
| Bee-hive attachment | J. C. Lyons | 217,017 | July 1, 1879 | 97 | 29 | 16 | 15 |
| Beer, &c., Air-pressure apparatus for forcing | J. Becker and M. H. Itis | 219,674 | Sept. 16, 1879 | 715 | 198 | 16 | 520 |
| Beer and liquor protector | T. A. Stephan | 220,679 | Oct. 14, 1879 | 538 | 142 | 16 | 715 |
| Beer, Apparatus for charging, purifying, and filling out. | C. G. Frash | 220,368 | Oct. 7, 1879 | 176 | 46 | 16 | 658 |
| Beer, Apparatus for filling out | J. and J. Stuber | 220,888 | Oct. 21, 1879 | 786 | 210 | 16 | 755 |
| Beer-barrels, &c., with air, Apparatus for supplying | W. F. Class | 212,898 | Mar. 4, 1879 | 147 | 41 | 15 | 315 |
| Beer-casks, Apparatus for regulating the pressure in | F. Fehr | 215,596 | May 20, 1879 | 728 | 213 | 15 | 809 |
| Beer-casks, Machine for washing | F. Fehr | 215,597 | May 20, 1879 | 729 | 213 | 15 | 810 |
| Beer-cooler | V. Cook | 211,704 | Jan. 28, 1879 | 746 | 209 | 15 | 102 |
| Beer-cooler | J. S. Flautt | 221,166 | Nov. 4, 1879 | 32 | 9 | 16 | 817 |
| Beer-cooler | F. Heller | 222,495 | Dec. 9, 1879 | 437 | 125 | 16 | 1078 |
| Beer-cooler | W. Klinefelter | 212,951 | Mar. 4, 1879 | 210 | 59 | 15 | 323 |
| Beer-cooler | E. M. Tilley | 221,005 | Oct. 21, 1879 | 946 | 252 | 16 | 786 |
| Beer, Extracting malt in the manufacture of | J. A. Schaefer | 220,872 | Oct. 21, 1879 | 766 | .... | 16 | 753 |
| Beer-fermenting casks, Relief attachment for | E. Zesch | 219,057 | Aug. 26, 1879 | 1112 | 312 | 16 | 400 |
| Beer, Fining | J. Gropp | 214,648 | Apr. 22, 1879 | 1094 | 306 | 15 | 636 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Beer, Fining-shaving for | A. Lachenmeyer | 216, 868 | June 24, 1879 | 992 | ..... | 15 | 1038 |
| Beer from casks, Apparatus for forcing | J. A. O'Conner | 222, 639 | Dec. 16, 1879 | 625 | 178 | 16 | 1114 |
| Beer, Making | L. Meller and E. Hofmann | 215, 679 | May 20, 1879 | 813 | 238 | 15 | 821 |
| Beer, Manufacture of | E. Kokosinski | 222, 507 | Dec. 9, 1879 | 449 | ..... | 16 | 1079 |
| Beer, Pressure-regulator for fermenting | M. Tschirgi | 213, 148 | Mar. 11, 1879 | 459 | 127 | 15 | 363 |
| Beer, Swimmer for cooling | L. D. Biersach | 216, 550 | June 17, 1879 | 618 | 175 | 15 | 980 |
| Beer-vessels, Automatic pressure-relief apparatus for. | O. Zwietusch and E. Heitmann | 222, 975 | Dec. 23, 1879 | 1005 | 288, 289 | 16 | 1179 |
| Belaying device | A. Stoddard | 222, 328 | Dec. 2, 1879 | 238 | 64 | 16 | 1042 |
| Bell, Call | E. W. Brettell | 211, 494 | Jan. 21, 1879 | 490 | 139 | 15 | 66 |
| Bell, Call | J. W. Butler | 222, 009 | Nov. 25, 1879 | 1025 | 287 | 16 | 979 |
| Bell, Door | O. F. Fogelstrand | 212, 676 | Feb. 25, 1879 | 1006 | 280 | 15 | 271 |
| Bell, Door | J. B Richard | 222, 307 | Dec. 2, 1879 | 213 | 56 | 16 | 1038 |
| Bell, Door | P. Shellenback and W. E. Drayer | 221, 110 | Oct. 28, 1879 | 1060 | 281 | 16 | 800 |
| Bell, Door-alarm | E. J. Cubley | 214, 111 | Apr. 8, 1879 | 454 | 129 | 15 | 537 |
| Bell, Electric call | G. S. Anders | 219, 059 | Sept. 2, 1879 | 2 | 1 | 16 | 413 |
| Bell, Gong | J. S. Crane | 213, 176 | Mar. 11, 1879 | 491 | 136 | 15 | 368 |
| Bell, Nautical alarm | H. Brown | 222, 622 | Dec. 16, 1879 | 601 | 171 | 16 | 1110 |
| Bell-ringing device | E. Perry | 212, 737 | Feb. 25, 1879 | 1068 | 297 | 15 | 280 |
| Bell-striking mechanism | F. J. Herrick | 221, 730 | Nov. 18, 1879 | 686 | 192 | 16 | 924 |
| Bell-striking mechanism | W. E. Sparks | 223, 073 | Dec. 30, 1879 | 1124 | 319 | 16 | 1205 |
| Bell striking mechanism, Door | W. E. Sparks | 223, 074 | Dec. 30, 1879 | 1125 | 319 | 16 | 1205 |
| Bellows | A. H. Wiese and J. E. Roder | 217, 661 | July 15, 1879 | 826 | 236 | 16 | 129 |
| Bellows-valve | J. Badger and H. P. Benjamin | 213, 375 | Mar. 18, 1879 | 709 | 199 | 15 | 405 |
| Belt | L. Aarons | 222, 434 | Dec. 9, 1879 | 361 | 102 | 16 | 1068 |
| Belt, Electric | C. R. Kruger | 215, 637 | May 20, 1879 | 773 | 227 | 15 | 815 |
| Belt, Electro-therapeutical | C. N. West | 221, 485 | Nov. 11, 1879 | 407 | 111 | 16 | 877 |
| Belt-fastener | S. Budlong and W. O. Talcott | 215, 567 | May 20, 1879 | 693 | 203 | 15 | 804 |
| Belt-fastener | S. Budlong and W. O. Talcott | 216, 827 | June 24, 1879 | 945 | 269 | 15 | 1033 |
| Belt-fastener | A. Clunan | 221, 524 | Nov. 11, 1879 | 457 | 124 | 16 | 883 |
| Belt-fastener | P. J. Flanagan | 218, 008 | July 29, 1879 | 1235 | 354 | 16 | 159 |
| Belt-fastener | O. H. Jones | 216, 092 | June 3, 1879 | 91 | 26 | 15 | 896 |
| Belt-fastener | F. H. Kane | 217, 878 | July 29, 1879 | 1096 | 315 | 16 | 181 |
| Belt-fastener | A. Loehner | 215, 470 | May 20, 1879 | 585 | 172 | 15 | 790 |
| Belt-fastener | T. O Potter | 221, 353 | Nov. 4, 1879 | 241 | 65 | 16 | 846 |
| Belt-fastener | C. W. Sager | 222, 535 | Dec. 9, 1879 | 479 | 136 | 16 | 1083 |
| Belt-fastener | W. L. Shigley | 214, 528 | Apr. 22, 1879 | 969 | 272 | 15 | 620 |
| Belt gearing and shifting mechanism for applying driving-power with varying speed. | J. S. Detrick | 223, 119 | Dec. 30, 1879 | 1181 | 332 | 16 | 1213 |
| Belt-hook templet | E. Card | 212, 353 | Feb. 18, 1879 | 618 | 174 | 15 | 211 |
| Belt-shifting mechanism | K. Rasmussen | 214, 842 | Apr. 29, 1879 | 1325 | 370 | 15 | 674 |
| Belt-stretcher | A. T. Green | 222, 896 | Dec. 23, 1879 | 916 | 263 | 16 | 1167 |
| Belts, Back-stop for | J. H. Foote | 218, 170 | Aug. 5, 1879 | 74 | 19 | 16 | 230 |
| Belts, Friction compound for | F. Brown | 216, 596 | June 17, 1879 | 675 | ..... | 15 | 988 |
| Belts or bands, Apparatus for testing strain of | J. H. Sawyer | 220, 668 | Oct. 14, 1879 | 527 | 140 | 16 | 713 |
| Belting | J. Thomson | 217, 963 | July 29, 1879 | 1186 | 339 | 16 | 193 |
| Belting | F. H. and J. E. Underwood | 219, 606 | Sept. 16, 1879 | 630 | 175 | 16 | 509 |
| Belting and lace leather, Manufacture of | G. Benz | 214, 873 | Apr. 29, 1879 | 1359 | 378 | 15 | 678 |
| Belting, Leather | F. H. and J. E. Underwood and G. F. Uhler. | 219, 607 | Sept. 16, 1879 | 631 | 175 | 16 | 509 |
| Belting, Machine | S. Sharp | 219, 531 | Sept. 9, 1879 | 540 | 151 | 16 | 489 |
| Belting, Machine for manufacturing rubber | J. Murphy | 222, 524 | Dec. 9, 1879 | 465 | 132 | 16 | 1081 |
| Belting, Round | F. H. and J. E. Underwood, C. A. Hawkins, and G. F. Uhler. | 216, 916 | June 24, 1879 | 1047 | 296 | 15 | 1045 |
| Bench: *See* Shoemaker's work-bench. Wash-bench. | | | | | | | |
| Bench-knife | G. S. Derr | 214, 494 | Apr. 22, 1879 | 917 | 259 | 15 | 614 |
| Bending-machine | O. V. Flora | 220, 229 | Oct. 7, 1879 | 21 | 6 | 16 | 638 |
| Berth for vessels, Self-leveling | D. Huston | 222, 049 | Nov. 25, 1879 | 1068 | 298 | 16 | 985 |
| Berth for vessels, Self-leveling | D. Huston | 222, 050 | Nov. 25, 1879 | 1069 | 299 | 16 | 985 |
| Berth, Sleeping-car | F. C. Hills | 215, 618 | May 20, 1879 | 755 | 221 | 15 | 813 |
| Berth, Sleeping-car | M. Leiner | 221, 834 | Nov. 18, 1879 | 812 | 226 | 16 | 940 |
| Bevel | J. D. Hobbs | 213, 987 | Apr. 8, 1879 | 291 | 84 | 15 | 518 |
| Beverages, Apparatus for dispensing aerated | C. J. Dietrich | 213, 980 | Apr. 8, 1879 | 284 | 82 | 15 | 518 |
| Bias strips, Preparing fabrics for cutting into | T. W. Bracher | 221, 718 | Nov. 18, 1879 | 672 | 188 | 16 | 922 |
| Bicycle | S. Sawyer | 222, 537 | Dec. 9, 1879 | 481 | 136 | 16 | 1083 |
| Bidet and foot-bath, Combined | M. Church | 222, 868 | Dec. 23, 1879 | 884 | 254 | 16 | 1162 |
| Bier and elevator, Combined | D. W. and I. W. Althouse | 211, 542 | Jan. 21, 1879 | 544 | 154 | 15 | 72 |
| Bilge-water gage | J. Eckheff | 219, 702 | Sept. 16, 1879 | 744 | 206 | 16 | 524 |
| Billiard and dining table, Combined | M. Bensinger | 211, 083 | Jan. 7, 1879 | 6 | 2 | 15 | 1 |
| Billiard-bridge | J. N. McIntire | 211, 416 | Jan. 14, 1879 | 401 | 114 | 15 | 52 |
| Billiard-cue | A. Fitzgerald | 219, 241 | Sept. 2, 1879 | 215 | 62 | 16 | 439 |
| Billiard-cue chalk-block | C. A. Fautz | 221, 164 | Nov. 4, 1879 | 30 | 8 | 16 | 816 |
| Billiard-cue-coloring apparatus | A. Fitzgerald | 220, 596 | Oct. 14, 1879 | 453 | 117, 118 | 16 | 703 |
| Billiard-cue cutter | H. Gottlieb | 222, 035 | Nov. 25, 1879 | 1054 | 294 | 16 | 982 |
| Billiard-cue rest | T. Watson | 215, 848 | May 27, 1879 | 1015 | 296 | 15 | 855 |
| Billiard-cue tip | F. Kuhn | 215, 061 | May 6, 1879 | 86 | 26 | 15 | 713 |
| Billiard-table | G. Bayliff | 223, 098 | Dec. 30, 1879 | 1156 | 326 | 16 | 1209 |
| Billiard-table | H. W. Collender | 214, 368 | Apr. 15, 1879 | 769 | 215, 216 | 15 | 587 |
| Billiard-table attachment | C. Disston | 223, 208 | Dec. 30, 1879 | 1273 | 360 | 16 | 1226 |
| Billiard-table chalk-holder | A. N. Rouech | 222, 953 | Dec. 23, 1879 | 980 | 282 | 16 | 1176 |
| Billiard-table corner-iron | H. A. Benedict | 221, 503 | Nov. 11, 1879 | 428 | 116 | 16 | 879 |
| Billiard-table, Parlor | C. G. Akam | 211, 205 | Jan. 7, 1879 | 138 | 43 | 15 | 19 |
| Bin: *See* Flour-bin. Grain-bin. | | | | | | | |
| Bin | R. C. Clarke and J. A. Pearce | 219, 911 | Sept. 23, 1879 | 981 | 272 | 17 | 566 |
| Binder, Folio | G. Wedel | 222, 758 | Dec. 16, 1879 | 745 | 214 | 16 | 1131 |
| Binder for books, Temporary | G. Kraft | 214, 669 | Apr. 22, 1879 | 1117 | 313 | 15 | 619 |
| Binder for books, Temporary | J. P. W. Von Laer | 222, 757 | Dec. 16, 1879 | 744 | 214 | 16 | 1131 |
| Binder for indexing and preserving files, Temporary. | T. Orton | 214, 520 | Apr. 22, 1879 | 961 | 270 | 15 | 619 |
| Binder for papers, Temporary | P. H. Helmes | 219, 582 | Sept. 16, 1879 | 600 | 167 | 16 | 505 |
| Binder for paper tablets | B. C. Murray | 212, 729 | Feb. 25, 1879 | 1062 | 294 | 15 | 278 |

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|---|---|---|---|---|---|---|---|
| Binder, Metallic book | T. J. Thorp | 219, 419 | Sept. 9, 1879 | 427 | 119 | 16 | 474 |
| Binder, Temporary | A. M. Graves | 219, 576 | Sept. 16, 1879 | 595 | 166 | 16 | 504 |
| Binder, Temporary | H. H. Hall | 220, 073 | Sept. 30, 1879 | 1181 | 325 | 16 | 601 |
| Binder, Temporary | J. S. Shannon | 217, 907 | July 29, 1879 | 1126 | 323 | 16 | 185 |
| Binder, Temporary | J. G. Smith | 212, 061 | Feb. 4, 1879 | 277 | 75 | 15 | 161 |
| Binder, Temporary book | H. W. Schweckendick | 217, 162 | July 1, 1879 | 262 | 77 | 16 | 36 |
| Binnacle-standard | R. S. McCook and S. Seabury | 218, 298 | Aug. 5, 1879 | 211 | 57 | 16 | 249 |
| Bird and similar cages | B. A. Drayton | 218, 565 | Aug. 12, 1879 | 464 | 130 | 16 | 293 |
| Bird-cage | B. A. Drayton | 222, 877 | Dec. 23, 1879 | 894 | 258 | 16 | 1163 |
| Bird-cage | A. B. Hendryx | 211, 511 | Jan. 21, 1879 | 515 | 145 | 15 | 68 |
| Bird-cage | A. B. Hendryx | 218, 266 | Aug. 5, 1879 | 178 | 48 | 16 | 244 |
| Bird-cage | S. B. King | 220, 244 | Oct. 7, 1879 | 40 | 10 | 16 | 640 |
| Bird-cage | J. Maxheimer | 218, 758 | Aug. 19, 1879 | 754 | 214 | 16 | 342 |
| Bird-cage food-holder | F. C. Bowen | 216, 651 | June 17, 1879 | 728 | 209 | 15 | 995 |
| Bird-cage support | F. W. Long | 213, 433 | Mar. 18, 1879 | 763 | 215 | 15 | 412 |
| Bird-seed reservoir | O. W. Taft | 213, 145 | Mar. 11, 1879 | 455 | 126 | 15 | 363 |
| Bird-trap | H. Christman | 218, 161 | Aug. 5, 1879 | 64 | 17 | 16 | 229 |
| Bit: | | | | | | | |
| *See* Boring-bit. Driving-bit. Bridle-bit. Horse-bit. Bridle safety-bit. | | | | | | | |
| Bit-brace | C. H. Amidon | 217, 672 | July 22, 1879 | 860 | 245 | 16 | 143 |
| Bit-brace | J. S. Fray | 219, 574 | Sept. 16, 1879 | 593 | 165 | 16 | 504 |
| Bit-stock | J. Beadle | 218, 107 | Aug. 5, 1879 | 2 | 1 | 16 | 221 |
| Bit-stock | L. C. Di Bert | 213, 399 | Mar. 18, 1879 | 737 | 206 | 15 | 408 |
| Bit-stock | O. W. Stow | 218, 593 | Aug. 12, 1879 | 557 | 157 | 16 | 307 |
| Bit-stock | O. Peck and D. Powers | 212, 110 | Feb. 11, 1879 | 336 | 92 | 15 | 170 |
| Bit-stock | O. Peck | 219, 872 | Sept. 23, 1879 | 937 | 259 | 16 | 560 |
| Bit-stock wrench | Q. S. Backus | 216, 776 | June 24, 1879 | 887 | 252 | 15 | 1025 |
| Bitters | H. J. Kampman | 219, 957 | Sept. 23, 1879 | 1033 | ..... | 16 | 574 |
| Blackboard | F. G. Johnson | 212, 945 | Mar. 4, 1879 | 204 | 58 | 15 | 323 |
| Blackboard | T. Kane | 217, 289 | June 8, 1879 | 408 | 121 | 16 | 64 |
| Blackboard | A. H. Lorton | 212, 613 | Feb. 25, 1879 | 947 | 262 | 15 | 263 |
| Blackboard-holder | A. H. Lorton | 212, 612 | Feb. 25, 1879 | 946 | 262 | 15 | 263 |
| Blacking-box | G. C. Furman | 216, 390 | June 10, 1879 | 439 | 125 | 15 | 947 |
| Blacking-box holder | L. F. Reichling | 219, 018 | Aug. 26, 1879 | 1071 | 302 | 16 | 394 |
| Blacking-box holder | H. Weston | 221, 260 | Nov. 4, 1879 | 132 | 36 | 16 | 831 |
| Blacking stool, Boot | W. W. Shipman | 213, 533 | Mar. 25, 1879 | 873 | 248 | 15 | 434 |
| Blacksmiths, Mechanical striker for | H. H. King | 218, 986 | Aug. 26, 1879 | 1038 | 292, 293 | 16 | 391 |
| Blacksmith's tool | L. C. Derry | 222, 470 | Dec. 9, 1879 | 413 | 117 | 16 | 1074 |
| Blank-heating furnace | G. H. Webb | 222, 335 | Dec. 2, 1879 | 245 | 66, 67 | 16 | 1043 |
| Blankets, Strap attachment for | H. B. Richmond | 216, 218 | June 3, 1879 | 219 | 65 | 15 | 912 |
| Blasting-powder | O. B. Hardy | 220, 534 | Oct. 14, 1879 | 374 | ..... | 16 | 693 |
| Blasting-powder | C. Felhoen | 216, 949 | July 1, 1879 | 25 | ..... | 16 | 5 |
| Blasting-squib | T. S. Thomas and J. R. Powell | 220, 735 | Oct. 21, 1879 | 615 | 164 | 16 | 733 |
| Bleaching compound | T. D. Brochocki | 212, 890 | Mar. 4, 1879 | 139 | ..... | 15 | 314 |
| Bleaching-keir | T. Fletcher | 213, 647 | Mar. 25, 1879 | 1003 | 285 | 15 | 451 |
| Blind-fastener | A. F. Fuller | 212, 920 | Mar. 4, 1879 | 178 | 49 | 15 | 319 |
| Blind fastener, Window | W. H. B. Allen | 222, 435 | Dec. 9, 1879 | 361 | 102 | 16 | 1068 |
| Blind fastening, Window | N. M. Hutton | 222, 136 | Dec. 2, 1879 | 21 | 6 | 16 | 1011 |
| Blind opener, Window | J. Bradley | 214, 093 | Apr. 8, 1879 | 437 | 123, 124 | 15 | 535 |
| Blind operator, Window | E. A. Holbrook and A. E. York | 217, 873 | July 29, 1879 | 1089 | 313 | 16 | 181 |
| Blind-slat adjuster | O. C. Peck | 212, 973 | Mar. 4, 1879 | 239 | 65 | 15 | 327 |
| Blind-slat-planing machine | C. P. S. Wardwell | 216, 070 | June 3, 1879 | 68 | 19, 20 | 15 | 893 |
| Blind-slat retainer | P. N. Horsley | 217, 464 | July 15, 1879 | 611 | 175 | 16 | 102 |
| Blind-slat securer | G. H. Becker | 222, 855 | Dec. 23, 1879 | 871 | 251 | 16 | 1159 |
| Blind, Venetian | T. Langdon | 214, 158 | Apr. 8, 1879 | 500 | 142 | 15 | 543 |
| Blinder | B. W. Webster | 214, 216 | Apr. 8, 1879 | 565 | 160 | 15 | 551 |
| Blinds, Roller, rod, or bar for window | W. S. Simpson | 220, 257 | Oct. 7, 1879 | 53 | 14 | 16 | 642 |
| Block: | | | | | | | |
| *See* Billiard-cue chalk-block. Ribbon-block. Saw-mill head-block. Building-block. Shroud-block. Chimney-block. Snatch-block. Paving-block. Tackle-block. Pillow-block. Thrust-block. Pulley-block. Toy building-block. | | | | | | | |
| Blotter | E. J. Trum | 223, 193 | Dec. 30, 1879 | 1253 | 355 | 16 | 1223 |
| Blotter, Writing-tablet | C. M. Cott | 214, 890 | Apr. 29, 1879 | 1377 | 383 | 15 | 680 |
| Blotting-sheet | B. B. Hill | 215, 520 | May 20, 1879 | 640 | 187 | 15 | 798 |
| Blower, Fire-place | J. C. Crossman | 218, 118 | Aug. 5, 1879 | 13 | 4 | 16 | 222 |
| Blowing apparatus, Rotary | B. T. Babbitt | 220, 107 | Sept. 30, 1879 | 1221 | 336 | 16 | 607 |
| Blue, Manufacture of Prussian | L. Greaf | 213, 189 | Mar. 11, 1879 | 502 | ..... | 15 | 369 |
| Board: | | | | | | | |
| *See* Blackboard. Knife-board. Bosom-board. Musical instrument sound-board. Bread-board. Cribbage-board. Piano-forte key-board. Dash-board. Piano sounding-board. Drawing-board. Plow mold-board. End-board. Sounding-board. Game-board. Vehicle dash-board. Ironing-board. Wash-board. Key-board. | | | | | | | |
| Boat: | | | | | | | |
| *See* Canal-boat. Sharpie-boat. Life-boat. Surf-boat. Portable folding boat. Torpedo-boat. | | | | | | | |
| Boat-lowering apparatus | H. Bruns | 220, 798 | Oct. 21, 1879 | 693 | 183 | 16 | 742 |
| Boat lowering and detaching device | W. A. Brice | 213, 165 | Mar. 11, 1879 | 480 | 133 | 15 | 366 |
| Boats, Construction of | J. P. Herrick | 214, 911 | Apr. 29, 1879 | 1397 | 388 | 15 | 683 |
| Bobbin | W. T. Carroll | 218, 428 | Aug. 12, 1879 | 373 | 102 | 16 | 281 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Bobbin or spool for facilitating the winding of wire upon skeleton frames or reels. | R. C. Fay | 220,066 | Sept. 30, 1879 | 1175 | 323 | 16 | 601 |
| Boiler: | | | | | | | |
| *See* Brewer's boiler. Kitchen or bath boiler. Cooking-boiler. Portable boiler. Copper-lined boiler. Sectional boiler. Cylindrical boiler. Steam-boiler. Domestic boiler. Steam-engine boiler. Egg-boiler. Tubular boiler. Flue-boiler. Wash-boiler. Kitchen-boiler. | | | | | | | |
| Boiler | S. J. Gold | 213,411 | Mar. 18, 1879 | 746 | 209 | 15 | 410 |
| Boiler | L. S. White | 222,971 | Dec. 23, 1879 | 1003 | 287 | 16 | 1179 |
| Boiler and other furnaces | W. I. Kintz | 221,682 | Nov. 18, 1879 | 631 | 177 | 16 | 917 |
| Boiler and stove, Combined | D. P. and J. A. Allen | 220,106 | Sept. 30, 1879 | 1220 | 336 | 16 | 607 |
| Boiler-feed, Automatic | S. S. and T. B. Davis | 217,346 | July 8, 1879 | 472 | 137 | 16 | 72 |
| Boiler-feeder | D. Hess | 214,565 | Apr. 22, 1879 | 1006 | 283 | 15 | 625 |
| Boiler-fires, Means for accelerating the draft of | J. D. Imboden | 220,381 | Oct. 7, 1879 | 193 | 51, 52 | 16 | 661 |
| Boiler-furnace | F. P. Everhart and C. M. Kingsbury. | 217,786 | July 22, 1879 | 980 | 280 | 16 | 160 |
| Boiler-furnace | W. A. Greene | 221,868 | Nov. 18, 1879 | 786 | 219 | 16 | 937 |
| Boiler-furnace | J. C. McNeil | 219,106 | Sept. 2, 1879 | 52 | 17 | 16 | 419 |
| Boiler-furnace | T. Murphy | 218,049 | July 29, 1879 | 1279 | 366 | 16 | 205 |
| Boiler-furnace | W. Scully | 216,900 | June 24, 1879 | 1024 | 291 | 15 | 1043 |
| Boiler-furnace | E. R. Stege | 219,994 | Sept. 23, 1879 | 1073 | 297 | 16 | 579 |
| Boiler-furnace and feed-water heater | P. Sullivan | 213,468 | Mar. 18, 1879 | 795 | 224 | 15 | 416 |
| Boiler furnace, Steam | S. G. Clark | 219,344 | Sept. 9, 1879 | 340 | 96 | 16 | 463 |
| Boiler furnace, Steam | H. Mason and E. R. Loring | 217,699 | July 22, 1879 | 890 | 254 | 16 | 147 |
| Boiler furnace, Steam | H. M. Pierce | 217,143 | July 1, 1879 | 241 | 71 | 16 | 33 |
| Boiler furnace, Steam | E. Reynolds | 220,424 | Oct. 7, 1879 | 236 | 63 | 16 | 667 |
| Boiler furnace, Steam | J. F. and M. Seiberling | 212,156 | Feb. 11, 1879 | 388 | 106 | 15 | 178 |
| Boiler-heads, Machine for flanging | R. C. Nugent | 213,585 | Mar. 25, 1879 | 935 | 266 | 15 | 441 |
| Boiler-saddle | J. F. Allen | 214,480 | Apr. 22, 1879 | 901 | 255 | 15 | 613 |
| Boilers of mud, Apparatus for cleaning | I. L. Thompson | 220,445 | Oct. 7, 1879 | 257 | 69 | 16 | 670 |
| Boilers, Tube-fastening for | W. H. Walsh | 211,809 | Jan. 28, 1879 | 869 | 244 | 15 | 118 |
| Bolt: | | | | | | | |
| *See* Door-bolt. Sash-bolt. Flour-bolt. Screw-bolt. King-bolt. Spring and dead bolt. Safety-bolt. Trunk-bolt. | | | | | | | |
| Bolt | L. F. Burrell | 212,539 | Feb. 25, 1879 | 865 | 239 | 15 | 252 |
| Bolt | H. B. Ives | 222,630 | Dec. 16, 1879 | 609 | 173 | 16 | 1111 |
| Bolt and rod griper | S. Gullicksen | 218,018 | July 29, 1879 | 1247 | 357 | 16 | 201 |
| Bolt-blanks, &c., Machine for rounding iron for | O. W. Stow | 216,469 | June 10, 1879 | 526 | 150, 151 | 15 | 959 |
| Bolt-blanks, Manufacture of | W. E. Ward | 215,494 | May 20, 1879 | 612 | 179 | 15 | 794 |
| Bolt-cutter | C. Schmidt | 211,265 | Jan. 7, 1879 | 205 | 59 | 15 | 26 |
| Bolt-cutter head | H. H. Morgan and W. R. Anderson. | 214,306 | Apr. 15, 1879 | 688 | 193 | 15 | 577 |
| Bolt-drawing machine | T. D. Wilson | 222,112 | Nov. 25, 1879 | 1143 | 322 | 16 | 996 |
| Bolt-extractor | J. McKeever | 222,295 | Dec. 2, 1879 | 201 | 53 | 16 | 1036 |
| Bolt-heading machine | C. D. Rogers | 220,497 | Oct. 14, 1879 | 328 | 87 | 16 | 688 |
| Bolt-heading machine | G. H. Webb | 219,545 | Sept. 9, 1879 | 552 | 154 | 16 | 491 |
| Bolt-holder | M. Ketchum | 212,013 | Feb. 4, 1879 | 215 | 61 | 15 | 153 |
| Bolt-lock | G. Kator | 217,692 | July 22, 1879 | 885 | 252 | 16 | 146 |
| Bolt-trimmer | W. Butler | 218,706 | Aug. 19, 1879 | 696 | 198 | 16 | 334 |
| Bolts, Machine for dressing the heads and pointing and threading the shanks of. | W. E. Ward | 218,841 | Aug. 26, 1879 | 877 | 247 | 16 | 368 |
| Bolts, Machine for nutting | S. L. Worsley | 211,826 | Jan. 28, 1879 | 886 | 259 | 15 | 121 |
| Bolting-cloth, Cleaning | W. H. Moses | 221,932 | Nov. 25, 1879 | 943 | ..... | 16 | 968 |
| Bolting-cloths, Repairing | J. B. McFail | 211,518 | Jan. 21, 1879 | 521 | ..... | 15 | 69 |
| Bolting-reel | W. L. Teter | 217,303 | July 8, 1879 | 422 | 125 | 16 | 66 |
| Bolting screen or sieve | G. N. Forney and G. W. Bange | 219,242 | Sept. 2, 1879 | 216 | 63 | 16 | 439 |
| Bolting-screens, Cleaning the meshes of | A. P. Holcomb and A. Heine | 218,530 | Aug. 12, 1879 | 493 | 138 | 16 | 298 |
| Bomb-lance | E. Pierce | 211,778 | Jan. 28, 1879 | 835 | 234 | 15 | 114 |
| Bomb-lance | T. W. Roys | 214,707 | Apr. 22, 1879 | 1157 | 326 | 15 | 644 |
| Bone-grinding mill | T. O. Cutler | 212,838 | Mar. 4, 1879 | 66 | 20 | 15 | 306 |
| Bone-mill | G. Palmer | 216,102 | June 3, 1879 | 99 | 29 | 15 | 897 |
| Bone, vegetable, ivory, &c., Treatment of | G. H. Smith | 217,418 | July 8, 1879 | 543 | 156 | 16 | 81 |
| Bones, Retort and furnace for calcining | G. D. Davis | 221,725 | Nov. 18, 1879 | 682 | 190 | 16 | 923 |
| Book | E. S. Glover | 222,033 | Nov. 25, 1879 | 1051 | 294 | 16 | 982 |
| Book-binder's combined evening-up and compressing table. | J. W. Jones | 219,734 | Sept. 16, 1879 | 776 | 214 | 16 | 529 |
| Book-binding | E. S. Boynton | 211,616 | Jan. 28, 1879 | 646 | 181 | 15 | 89 |
| Book, Blank | A. J. Maxwell | 216,799 | June 24, 1879 | 916 | 261 | 15 | 1029 |
| Book-case | J. Danner | 212,903 | Mar. 4, 1879 | 152 | 42 | 15 | 316 |
| Book-case | F. G. Johnson | 222,911 | Dec. 23, 1879 | 933 | 268 | 16 | 1169 |
| Book-case | E. J. Smith | 212,995 | Mar. 4, 1879 | 262 | 72 | 15 | 330 |
| Book-case | M. P. Wolfe | 220,265 | Oct. 7, 1879 | 61 | 16 | 16 | 643 |
| Book-case, Sectional | W. J. Marble | 220,163 | Sept. 30, 1879 | 1278 | 351 | 16 | 615 |
| Book, Copy | H. W. Ellsworth | 217,733 | July 22, 1879 | 928 | 266 | 16 | 152 |
| Book, Copy | J. W. C. Gilman | 222,349 | Dec. 9, 1879 | 267 | 74 | 16 | 1055 |
| Book, Copy | J. W. C. Gilman | 222,350 | Dec. 9, 1879 | 270 | 74 | 16 | 1056 |
| Book, Copy | J. W. C. Gilman | 212,597 | Feb. 25, 1879 | 931 | 257 | 15 | 261 |
| Book, Copy | J. W. Wakoman | 212,772 | Feb. 25, 1879 | 1110 | 309 | 15 | 285 |
| Book-cover | C. Eckhard | 216,318 | June 10, 1879 | 351 | 102 | 15 | 936 |
| Book cover, Copy | J. W. C. Gilman | 214,291 | Apr. 15, 1879 | 670 | 187, 188 | 15 | 575 |
| Book cover, Copy | J. W. C. Gilman | 215,219 | May 13, 1879 | 288 | 84 | 15 | 742 |
| Book-cover protector | B. G. Way and W. A. Rankin | 212,073 | Feb. 4, 1879 | 287 | 78 | 15 | 161 |
| Book-cover, Removable | L. P. Allen | 219,563 | Sept. 16, 1879 | 581 | 163 | 16 | 503 |
| Book-cover, Removable | W. H. Douty and C. H. Drake | 213,401 | Mar. 18, 1879 | 738 | 207 | 15 | 408 |
| Book-cover, Removable | C. H. Drake | 213,402 | Mar. 18, 1879 | 739 | 207 | 15 | 409 |
| Book-cover, Removable | C. H. Drake | 213,403 | Mar. 18, 1879 | 740 | 207 | 15 | 409 |
| Book-cover, Removable | C. H. Drake | 213,404 | Mar. 18, 1879 | 740 | 207 | 15 | 409 |

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|---|---|---|---|---|---|---|---|
| Book-covers, Device for securing | M. Umbdenstock | 217,250 | July 8, 1879 | 369 | 109 | 16 | 59 |
| Book, &c., holder | E. R. Young and G. A. Goeller | 216,484 | June 10, 1879 | 540 | 155 | 15 | 961 |
| Book-keeping apparatus | D. S. Dow and M. C. Brown | 213,981 | Apr. 8, 1879 | 285 | 82 | 15 | 518 |
| Book-mark | W. J. Lynch | 220,927 | Oct. 28, 1879 | 844 | 227 | 16 | 772 |
| Book, Memorandum and account | F. B. Lee and C. Carroll | 214,303 | Apr. 15, 1879 | 685 | 192 | 15 | 577 |
| Book, Scrap | R. Sneider | 219,370 | Sept. 9, 1879 | 371 | 104 | 16 | 467 |
| Book, Speaking picture | T. Brand | 223,108 | Dec. 30, 1879 | 1167 | 328 | 16 | 1211 |
| Books, &c., Device for carrying | M. S. Drake | 217,350 | July 8, 1879 | 476 | 138 | 16 | 72 |
| Booms, Device for raising and lowering | H. T. Stock | 221,946 | Nov. 25, 1879 | 961 | 269 | 16 | 970 |
| Boot | M. M. Clark | 216,309 | June 10, 1879 | 342 | 100 | 15 | 935 |
| Boot | C. H. Colburn | 215,794 | May 27, 1879 | 947 | 278 | 15 | 847 |
| Boot and legging, Combined | P. McNulty | 218,995 | Aug. 26, 1879 | 1046 | 295 | 16 | 391 |
| Boot and shoe | G. Apfel | 213,490 | Mar. 25, 1879 | 829 | 235 | 15 | 429 |
| Boot and shoe | G. Champomier | 213,619 | Mar. 25, 1879 | 973 | 275 | 15 | 447 |
| Boot and shoe | P. Cox | 216,660 | June 17, 1879 | 738 | 211 | 15 | 996 |
| Boot and shoe | W. H. Hannaford | 220,475 | Oct. 14, 1879 | 304 | 81 | 16 | 685 |
| Boot and shoe | J. L. Joyce | 223,143 | Dec. 30, 1879 | 1206 | 341 | 16 | 1216 |
| Boot and shoe | L. Loeser | 213,217 | Mar. 11, 1879 | 528 | 147 | 15 | 373 |
| Boot and shoe | I. N. Mudgett | 216,100 | June 3, 1879 | 97 | 29 | 15 | 897 |
| Boot and shoe | F. Richardson | 211,524 | Jan. 21, 1879 | 526 | 148 | 15 | 70 |
| Boot and shoe | J. W. Winn | 217,761 | July 22, 1879 | 950 | 273 | 16 | 156 |
| Boot and shoe | W. H. Wood | 211,362 | Jan. 14, 1879 | 343 | 100 | 15 | 45 |
| Boot and shoe back protector | R. McCammon | 218,993 | Aug. 26, 1879 | 1044 | 294 | 16 | 391 |
| Boot and shoe buffing machine | J. L. Copp | 221,286 | Nov. 4, 1879 | 160 | 43 | 16 | 835 |
| Boot and shoe burnishing machine | M. V. B. Ethridge | 212,093 | Feb. 11, 1879 | 316 | 87 | 15 | 168 |
| Boot and shoe burnishing tool | C. W. Chase | 212,190 | Feb. 11, 1879 | 430 | 118 | 15 | 183 |
| Boot and shoe button-hole | B. L. Newhall | 220,860 | Oct. 21, 1879 | 753 | 201 | 16 | 751 |
| Boot and shoe cleaning and polishing machine | P. Hille | 221,557 | Nov. 11, 1879 | 492 | 135 | 16 | 889 |
| Boot and shoe cleaning and polishing machine | J. T. Schultz | 220,671 | Oct. 14, 1879 | 530 | 140 | 16 | 714 |
| Boot and shoe counter or heel stiffeners, Machine for shaping. | R. Glover | 212,923 | Mar. 4, 1879 | 181 | 50 | 15 | 319 |
| Boot and shoe counter stiffener | F. Avery | 219,430 | Sept. 9, 1879 | 439 | 122 | 16 | 476 |
| Boot and shoe counter stiffeners, Machine for molding and shaping. | G. F. Moore | 218,763 | Aug. 19, 1879 | 760 | 215 | 16 | 343 |
| Boot and shoe counters, Die for shaping | J. Kiefter | 222,283 | Dec. 2, 1879 | 188 | 50 | 16 | 1035 |
| Boot and shoe crimping machine | S. W. Jamison | 218,177 | Aug. 5, 1879 | 80 | 21, 22 | 16 | 231 |
| Boot and shoe edge-trimming tool | J. D. Westgate | 215,189 | May 6, 1879 | 230 | 68 | 15 | 731 |
| Boot and shoe forming machine | J. H. Walker and J. McIntyre | 220,775 | Oct. 21, 1879 | 667 | 176, 177 | 16 | 739 |
| Boot and shoe heel | B. Bradshaw | 215,563 | May 20, 1879 | 687 | 202 | 15 | 804 |
| Boot and shoe heel | V. Knehrich | 211,473 | Jan. 21, 1879 | 468 | 132 | 15 | 63 |
| Boot and shoe heel | J. and E. Mitchell | 221,592 | Nov. 11, 1879 | 529 | 146 | 16 | 895 |
| Boot and shoe heel | E. R. Pease | 211,178 | Jan. 7, 1879 | 106 | 34 | 15 | 15 |
| Boot and shoe heel | F. Richardson | 219,525 | Sept. 9, 1879 | 534 | 149 | 16 | 489 |
| Boot and shoe heel | F. Richardson | 219,526 | Sept. 9, 1879 | 535 | 149 | 16 | 489 |
| Boot and shoe heel | S. M. Richardson | 217,485 | July 15, 1879 | 635 | 181 | 16 | 104 |
| Boot and shoe heel | S. M. Richardson | 217,486 | July 15, 1879 | 635 | 181 | 16 | 105 |
| Boot and shoe heel | J. M. Whiting | 217,309 | July 8, 1879 | 428 | 126 | 16 | 67 |
| Boot and shoe heel and counter supporter | J. G. Whittier | 218,099 | July 29, 1879 | 1335 | 383 | 16 | 212 |
| Boot and shoe heel attachment | W. L. Fink | 211,982 | Feb. 4, 1879 | 182 | 52 | 15 | 150 |
| Boot and shoe heel burnisher | J. Murray | 214,430 | Apr. 15, 1879 | 835 | 235 | 15 | 596 |
| Boot and shoe heel burnishing machine | Z. Beaudry | 221,954 | Nov. 25, 1879 | 970 | 271, 272 | 16 | 971 |
| Boot and shoe heel finishing machine | A. J. Johnson | 221,734 | Nov. 18, 1879 | 690 | 193 | 16 | 925 |
| Boot and shoe heel plate | S. C. Swett | 215,839 | May 27, 1879 | 1002 | 292 | 15 | 853 |
| Boot and shoe heel stiffener | S. Prior | 216,105 | June 3, 1879 | 101 | 30 | 15 | 898 |
| Boot and shoe heel stiffener | H. A. Thompson | 215,184 | May 6, 1879 | 226 | 67 | 15 | 731 |
| Boot and shoe heel stiffeners, Machine for crimping. | M. H. Hall | 213,191 | Mar. 11, 1879 | 504 | 140 | 15 | 369 |
| Boot and shoe heel stiffeners, Mold for forming | W. C. Wise | 216,122 | June 3, 1879 | 122 | 36 | 15 | 900 |
| Boot and shoe heel trimming and burnishing machine. | A. E. Stirckler | 212,116 | Feb. 11, 1879 | 343 | 94 | 15 | 171 |
| Boot and shoe heels and soles, Manufacture of | J. M. Watson | 213,364 | Mar. 18, 1879 | 701 | 196 | 15 | 404 |
| Boot and shoe heels, Manufacture of | B. F. Locke | 217,123 | July 1, 1879 | 221 | 64 | 16 | 31 |
| Boot and shoe heeling machine | T. Cowburn | 214,369 | Apr. 15, 1879 | 770 | 216, 217 | 15 | 587 |
| Boot and shoe last | G. D. Paul | 213,528 | Mar. 25, 1879 | 868 | 247 | 15 | 434 |
| Boot and shoe lasting machine | G. W. Copeland and F. F. Raymond, 2d. | 211,294 | Jan. 14, 1879 | 253 | 74, 75 | 15 | 33 |
| Boot and shoe lasting machine | G. W. Copeland, E. Woodward, and M. Brock. | 221,890 | Nov. 18, 1879 | 871 | 244 | 16 | 949 |
| Boot and shoe lasting machine | C. W. Glidden | 211,147 | Jan. 7, 1879 | 74 | 23, 24 | 15 | 10 |
| Boot and shoe lasting machine | C. W. Glidden | 211,148 | Jan. 7, 1879 | 77 | 24 | 15 | 10 |
| Boot and shoe lasting machine | L. Graf | 212,460 | Feb. 18, 1879 | 752 | 207 | 15 | 229 |
| Boot and shoe, Machine-sewed | G. W. Day | 220,583 | Oct. 14, 1879 | 439 | 113 | 16 | 701 |
| Boot and shoe nailing machine | L. R. Blake | 217,324 | July 8, 1879 | 442 | 130 | 16 | 68 |
| Boot and shoe nailing machine | O. R. Chaplin | 217,340 | July 8, 1879 | 465 | 135, 136 | 16 | 71 |
| Boot and shoe nailing machine | L. Goddu | 215,116 | May 6, 1879 | 157 | 45 | 15 | 721 |
| Boot and shoe polishing machine | L. T. Jones | 222,792 | Dec. 23, 1879 | 795 | 228, 229 | 16 | 1149 |
| Boot and shoe, Rubber | F. E. Hall | 216,269 | June 10, 1879 | 295 | 87 | 15 | 929 |
| Boot and shoe seam | J. Jory | 215,460 | May 20, 1879 | 573 | 168 | 15 | 789 |
| Boot and shoe seams, Covering-stay for | C. D. Wood | 215,706 | May 20, 1879 | 843 | 246 | 15 | 825 |
| Boot and shoe shank stiffener | G. L. Talbot | 219,184 | Sept. 2, 1879 | 138 | 41 | 16 | 430 |
| Boot and shoe sole | J. W. Clarson | 216,380 | June 10, 1879 | 431 | 122 | 15 | 946 |
| Boot and shoe sole and heel plate | S. Z. Willson | 217,969 | July 29, 1879 | 1191 | 341 | 16 | 194 |
| Boot and shoe sole and plug | J. O. Gardell | 214,502 | Apr. 22, 1879 | 924 | 261 | 15 | 615 |
| Boot and shoe sole buffing machine | F. Winslow and C. S. Fifield | 221,647 | Nov. 11, 1879 | 582 | 162 | 16 | 902 |
| Boot and shoe sole burnishing and polishing machine. | O. Gilmore | 212,372 | Feb. 18, 1879 | 639 | 179 | 15 | 214 |
| Boot and shoe sole channeling machine | P. D. Ballou | 221,660 | Nov. 18, 1879 | 604 | 170 | 16 | 913 |
| Boot and shoe sole edge burnisher | S. Jacobson | 222,052 | Nov. 25, 1879 | 1072 | 299 | 16 | 985 |
| Boot and shoe sole edge burnishing machine | C. J. Addy | 218,806 | Aug. 26, 1879 | 835 | 235 | 16 | 363 |
| Boot and shoe sole edge finishing machinery | E. Humphrey | 220,841 | Oct. 21, 1879 | 737 | 196 | 16 | 748 |

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|---|---|---|---|---|---|---|---|
| Boot and shoe sole edge setting machine | A. W. Rogers | 219,021 | Aug. 26, 1879 | 1073 | 302 | 16 | 395 |
| Boot and shoe sole edge trimming machine | S. S. and C. A. Black | 214,611 | Apr. 22, 1879 | 1056 | 296 | 15 | 631 |
| Boot and shoe sole edge trimming machine | J. R. Moffitt | 212,253 | Feb. 11, 1879 | 493 | 137 | 15 | 192 |
| Boot and shoe sole edge trimming machinery | C. H. Helms | 213,311 | Feb. 18, 1879 | 566 | 158 | 15 | 204 |
| Boot and shoe sole pressing machine | T. J. and T. H. Gifford | 217,687 | July 22, 1879 | 878 | 250 | 16 | 145 |
| Boot and shoe soles, Channel-striper for | A. E. Wheeler | 219,547 | Sept. 9, 1879 | 553 | 155 | 16 | 491 |
| Boot and shoe stiffeners, Machinery for molding | L. Coté | 212,132 | Feb. 11, 1879 | 363 | 99 | 15 | 174 |
| Boot and shoe stretcher | J. Bryan | 220,339 | Oct. 7, 1879 | 143 | 39 | 16 | 654 |
| Boot and shoe toe stretching device | W. Nagle | 215,959 | May 27, 1879 | 1131 | 328 | 15 | 869 |
| Boot and shoe trimming and burnishing mechanism | R. C. Lambert | 212,853 | Mar. 4, 1879 | 81 | 24 | 15 | 308 |
| Boot and shoe uppers, Crimping | S. Moore | 215,534 | May 20, 1879 | 656 | 191 | 15 | 800 |
| Boot and shoe uppers, &c., Crimping-machine for | C. Stoddard and J. W. D. Fifield | 216,768 | June 24, 1879 | 878 | 249, 250 | 15 | 1024 |
| Boot and shoe uppers, Die for cutting | G. W. Copeland and J. E. Crisp | 212,131 | Feb. 11, 1879 | 362 | 99 | 15 | 174 |
| Boot and shoe uppers, Lasting | G. W. Copeland | 219,224 | Sept. 2, 1879 | 189 | 56 | 16 | 436 |
| Boot and shoe uppers, Machine for lasting | G. W. Copeland, E. Woodward, and M. Brock. | 221,668 | Nov. 18, 1879 | 613 | 172 | 16 | 914 |
| Boot-crimper | M. S. Love | 217,469 | July 15, 1879 | 615 | 176 | 16 | 102 |
| Boot-fronts, Cutting in | C. H. Colburn | 212,357 | Feb. 18, 1879 | 621 | 175 | 15 | 211 |
| Boot, India-rubber | G. Watkinson | 212,289 | Feb. 11, 1879 | 532 | 149 | 15 | 197 |
| Boot, India-rubber | E. B. Preston | 219,016 | Aug. 26, 1879 | 1070 | 301 | 16 | 394 |
| Boot-jack | W. H. Burdick | 212,128 | Feb. 11, 1879 | 359 | 98 | 15 | 174 |
| Boot-leg strap | W. Ackerman | 218,911 | Aug. 26, 1879 | 960 | 270 | 16 | 380 |
| Boot-leg support | C. H. Tibbetts | 214,206 | Apr. 8, 1879 | 552 | 157 | 15 | 550 |
| Boot-legs, Machine for finishing | M. V. B. Ethridge | 211,623 | Jan. 28, 1879 | 655 | 184 | 15 | 90 |
| Boot-rack | H. C. Macdonald | 215,641 | May 20, 1879 | 776 | 228 | 15 | 816 |
| Boot, Rubber | G. Watkinson | 220,778 | Oct. 21, 1879 | 672 | 178 | 16 | 740 |
| Boot-sole, Rubber | C. H. Beach | 219,672 | Sept. 16, 1879 | 713 | 197 | 16 | 520 |
| Boot-strap | J. B. Belcher | 213,380 | Mar. 18, 1879 | 713 | 200 | 15 | 406 |
| Boot-strap | W. Smith | 215,174 | May 6, 1879 | 218 | 64 | 17 | 730 |
| Boot-strap | H. M. Weaver | 216,544 | June 17, 1879 | 613 | 174 | 15 | 979 |
| Boot-treeing machine | J. E. Crisp | 215,440 | May 20, 1879 | 546 | 161 | 15 | 785 |
| Boot-treeing machine | J. E. Crisp | 221,786 | Nov. 18, 1879 | 746 | 208, 209 | 16 | 933 |
| Boot-treeing machine | J. E. Crisp | 222,249 | Dec. 2, 1879 | 155 | 40 | 16 | 1029 |
| Boot-treeing mechanism | W. S. Hall | 221,456 | Nov. 11, 1879 | 366 | 101 | 16 | 872 |
| Boot-upper | S. A. Robinson | 213,250 | Mar. 11, 1879 | 565 | 157 | 15 | 378 |
| Boots and shoes, Combined insole and welt for | H. C. and A. Keats | 214,666 | Apr. 22, 1879 | 1114 | 312 | 15 | 639 |
| Boots and shoes, Device for stretching leather in | C. D. Lakey | 211,857 | Feb. 4, 1879 | 42 | 13 | 15 | 131 |
| Boots and shoes, Lasting | G. W. Copeland | 211,459 | Jan. 21, 1879 | 454 | 128, 129 | 15 | 61 |
| Boots and shoes, Machine for driving nails in | S. Shepherd and E. D. Whitcomb | 212,274 | Feb. 11, 1879 | 517 | 144 | 15 | 195 |
| Boots and shoes, Machine for driving staples in lasting. | S. Mower | 212,861 | Mar. 4, 1879 | 93 | 27 | 15 | 310 |
| Boots and shoes, Manufacture of | J. Hobart | 215,059 | May 6, 1879 | 84 | 25 | 15 | 713 |
| Boots and shoes, Manufacture of | E. Mann | 212,717 | Feb. 25, 1879 | 1047 | ..... | 15 | 276 |
| Boots and shoes, Manufacture of | W. R. Miller | 213,231 | Mar. 11, 1879 | 544 | 151 | 15 | 375 |
| Boots and shoes, Manufacture of | W. R. Miller | 214,684 | Apr. 22, 1879 | 1131 | 317, 318 | 15 | 641 |
| Boots and shoes, Manufacture of | W. R. Miller | 215,147 | May 6, 1879 | 196 | 55 | 15 | 726 |
| Boots and shoes, Metallic standard and last for | S. Ross, jr. | 222,157 | Dec. 2, 1879 | 45 | 11 | 16 | 1015 |
| Boots and shoes, Screw-wire for | E. F. Richardson | 213,938 | Apr. 1, 1879 | 218 | 64 | 15 | 501 |
| Boots, Manufacture of | W. R. Miller | 211,920 | Feb. 4, 1879 | 113 | 32 | 15 | 140 |
| Boots, Manufacture of rubber | F. Flynn | 217,087 | July 1, 1879 | 183 | 53 | 16 | 26 |
| Boots, Manufacture of rubber | G. Watkinson | 214,332 | Apr. 15, 1879 | 726 | 204 | 15 | 582 |
| Boots, Treeing | J. E. Crisp | 222,774 | Dec. 23, 1879 | 776 | ..... | 16 | 1146 |
| Bootee | J. F. Emerson | 220,710 | Oct. 21, 1879 | 585 | 155 | 16 | 729 |
| Border-trimming machine | E. B. Beach | 219,842 | Sept. 23, 1879 | 909 | 251 | 16 | 556 |
| Boring and excavating apparatus | J. Haas and J. Manning | 212,218 | Feb. 11, 1879 | 459 | 126 | 15 | 187 |
| Boring and reaming tool | R. T. Crane | 216,023 | June 3, 1879 | 21 | 5 | 15 | 887 |
| Boring-bit | J. O. Martin | 216,202 | June 3, 1879 | 203 | 60 | 15 | 910 |
| Boring machine, Log | E. L. Bartlett and M. O. Evans | 221,209 | Nov. 4, 1879 | 74 | 20 | 16 | 822 |
| Boring machine, Rock | W. W. Graham | 221,298 | Nov. 4, 1879 | 173 | 47 | 16 | 836 |
| Boring-tool | A. F. Temple | 222,101 | Nov. 25, 1879 | 1132 | 319 | 16 | 994 |
| Bosom-board | J. Boger | 214,614 | Apr. 22, 1879 | 1059 | 297 | 15 | 632 |
| Bosom-board | S. M. Brown | 211,553 | Jan. 21, 1879 | 556 | 157 | 15 | 74 |
| Bosom-board | F. Deming | 211,461 | Jan. 21, 1879 | 457 | 129 | 15 | 62 |
| Bosom-board | J. F. Schlosstein | 218,140 | Aug. 5, 1879 | 41 | 11 | 16 | 226 |
| Bosom-board | F. M. Wright | 222,342 | Dec. 2, 1879 | 251 | 69 | 16 | 1044 |
| Bosom-pad | M. A. Bryson | 212,184 | Feb. 11, 1879 | 425 | 116 | 15 | 182 |
| Bottle | J. H. Earle | 222,682 | Dec. 16, 1879 | 673 | 193 | 16 | 1121 |
| Bottle | G. B. Sanborn | 211,526 | Jan. 21, 1879 | 528 | 148 | 15 | 70 |
| Bottle and stopper | H. B. Anderson | 221,491 | Nov. 11, 1879 | 414 | 113 | 16 | 877 |
| Bottle-cage | G. S. Williams and A. B. Greenwood. | 215,852 | May 27, 1879 | 1019 | 297 | 15 | 855 |
| Bottle-capping machine | B. Budde | 218,926 | Aug. 26, 1879 | 975 | 274 | 16 | 382 |
| Bottle-case | H. H. and B. Hartmann | 215,353 | May 13, 1879 | 441 | 131 | 15 | 762 |
| Bottle-cork fastener | T. H. Shahan | 215,838 | May 27, 1879 | 1001 | 291 | 15 | 853 |
| Bottle-fastening attachment | S. Martinelli | 212,246 | Feb. 11, 1879 | 486 | 135 | 15 | 191 |
| Bottle-filler | W. S. Paddock | 212,494 | Feb. 18, 1879 | 788 | 218 | 15 | 233 |
| Bottle filling and corking machine | M. E. B. Miller | 214,426 | Apr. 15, 1879 | 832 | 233, 234 | 15 | 595 |
| Bottle for holding compressed gases, and case | W. A. and W. F. Johnson | 213,576 | Mar. 25, 1879 | 926 | 263 | 15 | 440 |
| Bottle, Incased | E. A. Heath | 211,092 | Jan. 7, 1879 | 15 | 6 | 15 | 2 |
| Bottle, Ink | J. W. Carter | 217,926 | July 29, 1879 | 1148 | 328 | 16 | 188 |
| Bottle, Nursing | S. A. Darrach | 220,351 | Oct. 7, 1879 | 156 | 42 | 16 | 656 |
| Bottle, Nursing | S. W. France | 216,734 | June 24, 1879 | 837 | 238 | 15 | 1019 |
| Bottle, Nursing | M. A. Michales and J. M. Bald | 222,070 | Nov. 25, 1879 | 1092 | 306 | 16 | 989 |
| Bottle or can fastener | W. Doyle | 218,719 | Aug. 19, 1879 | 712 | 203 | 16 | 336 |
| Bottle-rack | A. Werner | 211,200 | Jan. 7, 1879 | 134 | 41 | 15 | 19 |
| Bottle, Soda-water | B. Hogele | 219,723 | Sept. 16, 1879 | 765 | 211 | 16 | 527 |
| Bottle-stopper | J. Annear | 217,764 | July 22, 1879 | 954 | 274 | 16 | 156 |
| Bottle-stopper | W. Beardsley | 218,698 | Aug. 19, 1879 | 689 | 196 | 16 | 333 |
| Bottle-stopper | A. Godfrey | 219,459 | Sept. 9, 1879 | 468 | 130 | 16 | 479 |
| Bottle-stopper | W. H. Hicks | 214,639 | Apr. 8, 1879 | 356 | 101 | 15 | 526 |

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|---|---|---|---|---|---|---|---|
| Bottle-stopper | C. G. Hutchinson | 213, 992 | Apr. 8, 1879 | 296 | 86 | 15 | 519 |
| Bottle-stopper | C. G. Hutchinson | 219, 729 | Sept. 16, 1879 | 770 | 212 | 16 | 528 |
| Bottle-stopper | L. Kutscher | 221, 324 | Nov. 4, 1879 | 209 | 57 | 16 | 841 |
| Bottle-stopper | S. S. Newton | 221, 091 | Oct. 28, 1879 | 1040 | 276 | 16 | 798 |
| Bottle-stopper | A. F. Parkhurst | 219, 302 | Sept. 2, 1879 | 283 | 80 | 16 | 447 |
| Bottle-stopper | A. E. Rich | 214, 585 | Apr. 22, 1879 | 1027 | 289 | 15 | 628 |
| Bottle-stopper | U. C. Ronmillat | 222, 158 | Dec. 2, 1879 | 46 | 12 | 16 | 1015 |
| Bottle-stopper | W. H. G. Savage | 215, 682 | May 20, 1879 | 819 | 239 | 15 | 822 |
| Bottle-stopper | J. C. Schaffer | 217, 159 | July 1, 1879 | 259 | 76 | 16 | 36 |
| Bottle-stopper | C. B. Sponsler | 221, 874 | Nov. 18, 1879 | 856 | 239 | 16 | 947 |
| Bottle-stopper | D. E. Stevens | 221, 001 | Oct. 28, 1879 | 941 | 251 | 16 | 785 |
| Bottle-stopper | H. Susemihl | 217, 425 | July 8, 1879 | 553 | 159 | 16 | 82 |
| Bottle-stopper | W. Vom Hofe | 221, 558 | Nov. 11, 1879 | 495 | 135 | 16 | 889 |
| Bottle-stopper | J. E. Woodward | 213, 488 | Mar. 18, 1879 | 815 | 230 | 15 | 419 |
| Bottle-stopper and fastener | H. W. Putnam | 212, 623 | Feb. 25, 1879 | 958 | 265 | 15 | 264 |
| Bottle-stopper and fastening | L. La Valley | 214, 927 | Apr. 29, 1879 | 1412 | 392 | 15 | 685 |
| Bottle-stopper and stopper-fastener | C. H. Nye | 214, 691 | Apr. 22, 1879 | 1138 | 320 | 15 | 642 |
| Bottle-stopper and stopper-fastener | W. Silvester | 211, 529 | Jan. 21, 1879 | 530 | 149 | 15 | 70 |
| Bottle-stopper and stopper-fastener | C. S. Thompson | 215, 079 | May 6, 1879 | 106 | 32 | 15 | 716 |
| Bottle-stopper fastener | T. B. Atterbury | 211, 490 | Jan. 21, 1879 | 485 | 137 | 15 | 65 |
| Bottle-stopper fastener | W. P. Eayrs | 216, 261 | June 10, 1879 | 283 | 83 | 15 | 928 |
| Bottle-stopper fastener | W. Geist | 211, 987 | Feb. 4, 1879 | 188 | 53 | 15 | 150 |
| Bottle-stopper fastener | T. A. McFarland | 214, 511 | Apr. 22, 1879 | 949 | 267 | 15 | 618 |
| Bottle-stopper fastener | W. Sunderman | 218, 837 | Aug. 26, 1879 | 873 | 245 | 16 | 368 |
| Bottle-stopper fastening | A. W. Porter | 215, 668 | May 20, 1879 | 804 | 235 | 15 | 819 |
| Bottle-stopper fastening | J. Schinzel | 214, 958 | Apr. 29, 1879 | 1442 | 401, 402 | 15 | 689 |
| Bottle-stopper, Internal | H. Barrett and J. Bailey | 214, 987 | May 6, 1879 | 7 | 3 | 15 | 703 |
| Bottle-stopper lock | A. H. Warner | 215, 256 | May 13, 1879 | 330 | 97 | 15 | 747 |
| Bottle-stoppering device | C. F. Spencer | 222, 801 | Dec. 23, 1879 | 804 | 231 | 16 | 1150 |
| Bottle-stoppering machine | A. M. Bacon | 223, 022 | Dec. 30, 1879 | 1065 | 304 | 16 | 1198 |
| Bottle-stoppers, Device for | T. Malcolmson | 222, 593 | Dec. 16, 1879 | 565 | 160 | 16 | 1105 |
| Bottle-washer | S. W. Dillin | 212, 841 | Mar. 4, 1879 | 69 | 21 | 15 | 307 |
| Bottle-washer | O. A. Miles and E. R. Lovett | 213, 583 | Mar. 25, 1879 | 932 | 265 | 15 | 441 |
| Bottle-washing machine | R. Schulz and E. O. Nagel | 216, 899 | June 24, 1879 | 1022 | 290 | 15 | 1042 |
| Bottle-wrapper | B. D. Marks | 218, 297 | Aug. 5, 1879 | 211 | 57 | 16 | 249 |
| Bottle-wrapper | I. Swope | 217, 559 | July 15, 1879 | 714 | 203, 204 | 16 | 115 |
| Bottles, Apparatus for effecting the escape of air from. | A. E. Rich | 211, 789 | Jan. 28, 1879 | 849 | 237 | 15 | 116 |
| Bottles, Corking | T. D. Stetson | 216, 981 | July 1, 1879 | 60 | 18 | 16 | 10 |
| Bottles, Elastic graduated cap for | J. I. Griffin | 222, 780 | Dec. 23, 1879 | 783 | 225 | 16 | 1147 |
| Bottles, jars, and pots, Stoppering and covering | C. Maré | 222, 999 | Dec. 30, 1879 | 1039 | 298 | 16 | 1194 |
| Bottles, &c., Machinery for filling and corking | A. MacDonell | 211, 413 | Jan. 14, 1879 | 395 | 113 | 15 | 51 |
| Bottles, Marking | R. M. Atwater | 213, 606 | Mar. 25, 1879 | 957 | 271 | 15 | 444 |
| Bottles, Removable nozzle for | E. B. Requa | 212, 055 | Feb. 4, 1879 | 271 | 74 | 15 | 159 |
| Bottling-machine | J. J. Allisen | 216, 367 | June 10, 1879 | 413 | 118 | 15 | 944 |
| Bow | E. S. Morton | 217, 741 | July 22, 1879 | 935 | 268 | 16 | 153 |
| Bow | N. R. Streeter | 213, 851 | Apr. 1, 1879 | 130 | 39 | 15 | 489 |
| Bow | N. R. Streeter | 218, 079 | July 29, 1879 | 1313 | 377 | 16 | 210 |
| Bow and arrow | W. H. Wright and G. L. Thorne | 213, 083 | Mar. 11, 1879 | 376 | 106 | 15 | 353 |
| Bow, Archery | F. Malleson | 213, 434 | Mar. 18, 1879 | 764 | 215 | 15 | 412 |
| Bow, Archery | J. W. Sutton | 218, 199 | Aug. 5, 1879 | 109 | 29 | 16 | 235 |
| Box: | | | | | | | |
| *See* Axle-box. | | | | | | | |
| Ballot-box. | | | | | | | |
| Blacking-box. | | | | | | | |
| Bread-box. | | | | | | | |
| Can-box. | | | | | | | |
| Change-box. | | | | | | | |
| Cheese-box. | | | | | | | |
| Cigar-box. | | | | | | | |
| Cigar show-box. | | | | | | | |
| Core-box. | | | | | | | |
| Cribbage-box. | | | | | | | |
| Egg-packing box. | | | | | | | |
| Fare-box. | | | | | | | |
| Fire-alarm box. | | | | | | | |
| Fire-alarm-telegraph box. | | | | | | | |
| Fire-proof box. | | | | | | | |
| Hat-box. | | | | | | | |
| Honey-box. | | | | | | | |
| Journal-box. | | | | | | | |
| Key-box. | | | | | | | |
| Leather box. | | | | | | | |
| Letter-box. | | | | | | | |
| Mail-box. | | | | | | | |
| Match-box. | | | | | | | |
| Metallic and non-metallic box. | | | | | | | |
| Miter-box. | | | | | | | |
| Moth-box. | | | | | | | |
| Music-box. | | | | | | | |
| Packing-box. | | | | | | | |
| Paper box. | | | | | | | |
| Pill-box. | | | | | | | |
| Post-office box. | | | | | | | |
| Pump-valve box. | | | | | | | |
| Sample-box. | | | | | | | |
| Service-box. | | | | | | | |
| Service-pipe box. | | | | | | | |
| Sheet-metal box. | | | | | | | |
| Show-box. | | | | | | | |
| Signal-box. | | | | | | | |
| Sliding box. | | | | | | | |
| Soap and shaving box. | | | | | | | |
| Spectacle show-box. | | | | | | | |
| Stuffing-box. | | | | | | | |
| Ticket-box. | | | | | | | |
| Tin box. | | | | | | | |
| Tobacco-box. | | | | | | | |
| Toy box. | | | | | | | |
| Toy money-box. | | | | | | | |
| Transportation-box. | | | | | | | |
| Veneer box. | | | | | | | |
| Wagon-box. | | | | | | | |
| Watch-movement box. | | | | | | | |
| Wooden box. | | | | | | | |
| Work-box. | | | | | | | |
| Box | W. C. Turton | 217, 174 | July 1, 1879 | 271 | 80 | 16 | 38 |
| Box | A. Wuensch | 216, 927 | June 24, 1879 | 1059 | 300 | 15 | 1047 |
| Box and package filler | C. E. Bolton, F. H. Strieby, and M. Rankin. | 218, 658 | Aug. 19, 1879 | 647 | 183 | 16 | 327 |
| Box-catch | A. Gaertner | 213, 102 | Mar. 11, 1879 | 406 | 112 | 15 | 356 |
| Box-cover clasp | H. M. Quackenbush | 217, 146 | July 1, 1879 | 244 | 71 | 16 | 34 |
| Box-covers, Spring attachment for | C. S. Merrill | 214, 169 | Apr. 8, 1879 | 511 | 145 | 15 | 545 |
| Box-dressing machine | P. B. H. Smith | 214, 725 | Apr. 22, 1879 | 1177 | 331 | 15 | 647 |
| Box-fastener | W. D. Frost | 219, 708 | Sept. 16, 1879 | 750 | 207 | 16 | 525 |
| Box-fastener | E. McKinney | 219, 751 | Sept. 16, 1879 | 790 | 218 | 16 | 531 |
| Box-fastener | C. L. Page | 219, 649 | Sept. 16, 1879 | 685 | 190 | 16 | 516 |
| Box-fastener | A. J. Simpson | 222, 745 | Dec. 16, 1879 | 733 | 210, 211 | 16 | 1130 |

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|---|---|---|---|---|---|---|---|
| Box-fastener | J. L. Stevens | 215,179 | May 6, 1879 | 222 | 65 | 15 | 730 |
| Box-fastener | W. I. Winne | 212,079 | Feb. 4, 1879 | 292 | 79 | 15 | 162 |
| Box-heads, Machine for finishing | N. L. Seelye | 222,083 | Nov. 25, 1879 | 1106 | 311 | 16 | 990 |
| Box-nailing machine | I. H. Hatch | 212,096 | Feb. 11, 1879 | 318 | 88 | 15 | 168 |
| Box-nailing machine | H. Messer | 217,472 | July 15, 1879 | 618 | 177 | 16 | 103 |
| Box-nailing machines, Nail-feeding attachment for | H. Messer | 221,844 | Nov. 18, 1879 | 823 | 229 | 16 | 942 |
| Box-partition | G. L. Jaeger | 219,732 | Sept. 16, 1879 | 773 | 213 | 16 | 528 |
| Box-pile | E. Wheeler | 213,855 | Apr. 1, 1879 | 134 | 40 | 15 | 490 |
| Brace: *See* Bit-brace. Carriage-top brace. Door-brace. Picture-frame-back brace. Sulky-brace. Vehicle-spring brace. | | | | | | | |
| Brace | E. C. Page | 219,011 | Aug. 26, 1879 | 1064 | 300 | 16 | 394 |
| Bracelet | H. J. Beugnies | 214,874 | Apr. 29, 1879 | 1360 | 378 | 15 | 678 |
| Bracelet | T. G. Brown | 221,511 | Nov. 11, 1879 | 438 | 119 | 16 | 881 |
| Bracelet | R. T. Chapman | 217,061 | July 1, 1879 | 149 | 44 | 16 | 22 |
| Bracelet | W. Hamilton, jr | 223,043 | Dec. 30, 1879 | 1087 | 309 | 16 | 1201 |
| Bracelet | C. Hein | 212,692 | Feb. 25, 1879 | 1020 | 283 | 15 | 273 |
| Bracelet | M. Kayser | 215,461 | May 20, 1879 | 574 | 168 | 15 | 789 |
| Bracelet | A. W. Magerhaus | 221,926 | Nov. 25, 1879 | 939 | 263 | 16 | 967 |
| Bracelet | A. Vester | 222,755 | Dec. 16, 1879 | 743 | 213 | 16 | 1131 |
| Bracelet hinge-joint | J. Barclay | 214,351 | Apr. 15, 1879 | 752 | 210 | 15 | 585 |
| Bracelet, Self-adjusting | W. A. L. Miller | 215,956 | May 27, 1879 | 1129 | 327 | 15 | 869 |
| Bracelets, Metallic stock for | G. H. Boyco | 222,176 | Dec. 2, 1879 | 67 | 16 | 16 | 1018 |
| Bracelets, &c., Stock for | C. Downs | 217,453 | July 15, 1879 | 601 | 172 | 16 | 100 |
| Bracket: *See* Adjustable bracket. Curtain-roller bracket. Dental bracket. Lamp-bracket. Loom-temple bracket. Shelf-bracket. Shingling-bracket. | | | | | | | |
| Bracket | O. A. Bingham | 213,034 | Mar. 11, 1879 | 319 | 89 | 15 | 346 |
| Bracket | M. J. Burkarth | 218,365 | Aug. 12, 1879 | 391 | 82 | 16 | 271 |
| Bracket | A. D. Judd | 215,523 | May 20, 1879 | 643 | 188 | 15 | 798 |
| Bracket | J. J. Read | 220,730 | Oct. 21, 1879 | 608 | 162 | 16 | 733 |
| Bracket | C. W. Stearns | 221,875 | Nov. 18, 1879 | 857 | 240 | 16 | 947 |
| Bracket | J. Trickel | 211,278 | Jan. 7, 1879 | 218 | 64 | 15 | 28 |
| Bracket | F. O. Worthley | 214,741 | Apr. 22, 1879 | 1191 | 335 | 15 | 649 |
| Braid-pin | A. Cook | 220,126 | Sept. 30, 1879 | 1242 | 341 | 16 | 610 |
| Braid-pin | C. C. Cook | 221,721 | Nov. 18, 1879 | 677 | 189 | 16 | 923 |
| Braid, &c., Putting up | W. H. Stafford | 221,748 | Nov. 18, 1879 | 703 | 197 | 16 | 927 |
| Brake: *See* Air or vacuum railway-brake. Car-brake. Carriage-brake. Elevator-brake. Locomotive-engine brake. Railway-brake. Self-acting brake. Sled-brake. Steam-brake. Vacuum-brake. Vehicle-brake. Wagon-brake. Wagon and car brake. | | | | | | | |
| Brake apparatus, Fluid-pressure | G. Westinghouse, jr | 217,836 | July 22, 1879 | 1034 | 296 | 16 | 166 |
| Brake apparatus, Fluid-pressure | G. Westinghouse, jr | 218,149 | Aug. 5, 1879 | 50 | 14 | 16 | 227 |
| Brake attachment, Automatic | G. Westinghouse, jr | 218,150 | Aug. 5, 1879 | 52 | 14 | 16 | 227 |
| Brake mechanism | E. A. White | 214,539 | Apr. 22, 1879 | 978 | 275 | 15 | 621 |
| Brake relief valve, Automatic | G. Westinghouse, jr | 217,838 | July 22, 1879 | 1037 | 297 | 16 | 167 |
| Brake-regulator, Automatic | G. Westinghouse, jr | 214,337 | Apr. 15, 1879 | 734 | 205 | 15 | 583 |
| Brake-shoe | J. M. Christopher | 214,623 | Apr. 22, 1879 | 1069 | 300 | 15 | 633 |
| Brake-shoe | J. H. Mitchell | 220,165 | Sept. 30, 1879 | 1285 | 353 | 16 | 616 |
| Brake-shoe clamp | J. Taylor | 215,691 | May 20, 1879 | 828 | 242 | 15 | 823 |
| Brakes, Piston-diaphragm for power | G. Westinghouse, jr | 217,837 | July 22, 1879 | 1036 | 297 | 16 | 166 |
| Bran-cleaner | T. Wallace | 220,951 | Oct. 28, 1879 | 879 | 235 | 16 | 777 |
| Bran-cleaning machine | J. Mills | 223,057 | Dec. 30, 1879 | 1104 | 314 | 16 | 1202 |
| Bran-duster | C. A. Lawton and E. W. Arndt | 211,576 | Jan. 21, 1879 | 585 | 165 | 15 | 78 |
| Bran packer | J. E. Belt | 215,787 | May 27, 1879 | 938 | 275 | 15 | 846 |
| Bran-scouring machine | W. C. Turner | 223,081 | Dec. 30, 1879 | 1135 | 321 / 322 | 16 | 1206 |
| Bran, Treating | R. L. Downton | 211,977 | Feb. 4, 1879 | 178 | 50 | 15 | 149 |
| Brass, Cleaning and lacquering | J. Peckham | 218,830 | Aug. 26, 1879 | 859 | ..... | 16 | 366 |
| Brazing, Process of | W. Mason | 215,013 | May 6, 1879 | 36 | ..... | 15 | 707 |
| Bread-board | H. Van Doren | 212,354 | Feb. 18, 1879 | 596 | 167 | 15 | 208 |
| Bread-box | W. G. Jones | 213,206 | Mar. 11, 1879 | 518 | 144 | 15 | 371 |
| Bread for baking, Setting | R. Adam | 216,300 | June 10, 1879 | 331 | 98 | 15 | 934 |
| Bread-raiser and fruit-drier, Combined | J. F. Heizer | 213,276 | May 13, 1879 | 358 | 104 | 15 | 751 |
| Breaking or grinding various substances, Apparatus for. | B. T. Babbitt | 220,109 | Sept. 30, 1879 | 1222 | 337 | 16 | 607 |
| Breakwater or pier | J. Johnson | 214,299 | Apr. 15, 1879 | 678 | 190 | 15 | 576 |
| Breast-strap hook | C. B. Bristol | 218,923 | Aug. 26, 1879 | 972 | 273 | 16 | 382 |
| Breastwork or shield, Movable | M. J. Wellman | 212,877 | Mar. 4, 1879 | 113 | 33 | 15 | 312 |
| Bretzel-machine | C. H. Appel | 219,196 | Sept. 2, 1879 | 151 | 45 | 16 | 432 |
| Bretzel-machine | W. Lampert and H. Huber | 215,006 | May 6, 1879 | 25 | 9 | 15 | 706 |
| Brewer's boiler | F. W. Schroeder | 221,702 | Nov. 18, 1879 | 651 | 182 | 16 | 920 |
| Brick | E. L. Schieffelin | 219,312 | Sept. 2, 1879 | 294 | 82 | 16 | 449 |
| Brick, &c., Apparatus for burning | J. and C. J. Foster | 215,904 | May 27, 1879 | 1073 | 312 | 15 | 862 |
| Brick-burning kiln | E. G. Kemper | 215,936 | May 27, 1879 | 1109 | 321 | 15 | 866 |
| Brick-drier | G. A. Carlson | 217,339 | July 8, 1879 | 463 | 135 | 16 | 71 |
| Brick-drying car | W. L. Gregg | 220,972 | Oct. 28, 1879 | 901 | 241 | 16 | 780 |
| Brick, Fire | G. W. Smith | 211,800 | Jan. 28, 1879 | 861 | 240 | 15 | 177 |
| Brick-kiln | D. Asbury | 220,213 | Oct. 7, 1879 | 2 | 1 | 16 | 635 |
| Brick-kiln | G. A. Carlson | 217,988 | July 29, 1879 | 1209 | 347 | 16 | 196 |
| Brick-kiln | A. W. Duty | 211,463 | Jan. 21, 1879 | 458 | 130 | 15 | 62 |
| Brick-kiln | T. S. Hawkins | 218,529 | Aug. 12, 1879 | 492 | 137 | 16 | 298 |
| Brick-kiln | H. McCue | 219,492 | Sept. 9, 1879 | 500 | 139 | 16 | 484 |
| Brick, &c., Kiln and shed for burning and drying | W. Mansfield | 216,743 | June 24, 1879 | 846 | 241 | 15 | 1020 |
| Brick, &c., Kiln for burning | N. Lodge | 213,216 | Mar. 11, 1879 | 527 | 147 | 15 | 373 |
| Brick-kilns, Fire-proof arch for | J. R. Bowers | 213,805 | Apr. 1, 1879 | 79 | 26 | 15 | 483 |

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|---|---|---|---|---|---|---|---|
| Brick-machine | J. C. Anderson | 213, 085 | Mar. 11, 1879 | 378 | 106 107 | 15 | 354 |
| Brick-machine | T. E. Chandler | 219, 909 | Sept. 23, 1879 | 977 | 272 | 16 | 566 |
| Brick-machine | T. B. Craycroft | 215, 886 | May 27, 1879 | 1053 | 307 | 15 | 860 |
| Brick-machine | C. E. Gregory | 219, 638 | Sept. 16, 1879 | 672 | 186 187 | 16 | 515 |
| Brick-machine | C. A. Hege | 222, 902 | Dec. 23, 1879 | 922 | 265 266 | 16 | 1167 |
| Brick-machine | G. Martin | 211, 304 | Jan. 14, 1879 | 276 | 82 | 15 | 36 |
| Brick-machine | J. M. Mitchell | 211, 765 | Jan. 28, 1879 | 815 | 229 | 15 | 112 |
| Brick-machine | C. Stillwell | 217, 423 | July 8, 1879 | 550 | 158 | 16 | 81 |
| Brick-machine | Z. X. Smith | 211, 481 | Jan. 21, 1879 | 475 | 134 | 15 | 64 |
| Brick-machine | C. C. Zeh | 212, 166 | Feb. 11, 1879 | 396 | 108 | 15 | 179 |
| Brick-mold | J. E. Allen and P. F. Duffy | 213, 371 | Mar. 18, 1879 | 706 | 198 | 15 | 405 |
| Brick-mold and brick-press box | T., sr., and J. Clifford | 218, 711 | Aug. 19, 1879 | 704 | 200 | 16 | 335 |
| Brick-molding die | D. O. Loy | 221, 243 | Nov. 4, 1879 | 115 | 30 | 16 | 828 |
| Brick off-bearing case | W. H. Ludlow | 222, 062 | Nov. 25, 1879 | 1083 | 304 | 16 | 987 |
| Brick-pressing machine | W. L. Hippert | 212, 799 | Mar. 4, 1879 | 22 | 8 | 15 | 300 |
| Brick, Shed for drying | C. H. Roselius | 212, 511 | Feb. 18, 1879 | 821 | 227 | 15 | 238 |
| Bricks and furnace-linings, Manufacture of refractory basic. | S. G. Thomas | 218, 334 | Aug. 5, 1879 | 249 | ..... | 16 | 254 |
| Bricks and other articles from calcareous clay, Process and apparatus for manufacturing. | J. C. Anderson | 214, 481 | Apr. 22, 1879 | 902 | 255 | 15 | 613 |
| Bricks and the art of making the same | J. K. Caldwell | 217, 057 | July 1, 1879 | 147 | 43 | 16 | 21 |
| Bricks, &c., Composition for coloring | G. P. Cole | 214, 106 | Apr. 8, 1879 | 449 | ..... | 15 | 536 |
| Bricks, crucibles, &c., Manufacture of refractory | E. Riley | 218, 315 | Aug. 5, 1879 | 230 | ..... | 16 | 251 |
| Bricks for constructing sidings, partition-walls, &c. | I. Marsh | 221, 968 | Nov. 25, 1879 | 985 | 276 | 16 | 974 |
| Bricks, &c., Machinery for manufacturing | H. Guthrie | 215, 606 | May 20, 1879 | 737 | 215 216 | 15 | 811 |
| Bricks, Manufacture of gravel | G. N. Tures | 223, 018 | Dec. 30, 1879 | 1061 | 303 | 16 | 1197 |
| Bridge | R. Hoover | 215, 522 | May 20, 1879 | 642 | 187 | 15 | 798 |
| Bridge | B. Houts | 222, 499 | Dec. 9, 1879 | 440 | 126 | 16 | 1078 |
| Bridge | P. Jarvis | 212, 941 | Mar. 4, 1879 | 201 | 56 | 15 | 322 |
| Bridge | J. E. Jayne | 215, 364 | May 13, 1879 | 449 | 134 | 15 | 763 |
| Bridge | A. J. Ross | 212, 748 | Feb. 25, 1879 | 1079 | 300 | 15 | 281 |
| Bridge | R. B. Vardell | 221, 632 | Nov. 11, 1879 | 570 | 158 | 16 | 900 |
| Bridge and turn-table, Turn | D. Blanchard | 222, 375 | Dec. 9, 1879 | 292 | 81 | 16 | 1059 |
| Bridge-gate | A. Stempel | 212, 329 | Feb. 18, 1879 | 590 | 165 | 15 | 207 |
| Bridge gate, Automatic draw | W. F. McGregor | 222, 146 | Dec. 2, 1879 | 35 | 9 | 16 | 1014 |
| Bridge gate, Draw | F. C. Beck | 219, 119 | Sept. 2, 1879 | 70 | 22 | 16 | 422 |
| Bridge gate, Draw | A. Stempel | 217, 440 | July 8, 1879 | 569 | 164 | 16 | 84 |
| Bridge gate, Draw | N. Stoll | 220, 260 | Oct. 7, 1879 | 56 | 15 | 16 | 642 |
| Bridge-irons, Machine for manufacturing | J. W. Seaver | 223, 011 | Dec. 30, 1879 | 1052 | 301 | 16 | 1196 |
| Bridge side truss | J. W Riley | 217, 409 | July 8, 1879 | 536 | 154 | 16 | 80 |
| Bridge, Swing | H. F. Snyder | 214, 530 | Apr. 22, 1879 | 971 | 273 | 15 | 620 |
| Bridge, Truss | A. Borneman | 219, 846 | Sept. 23, 1879 | 912 | 252 | 16 | 556 |
| Bridge, Truss | S. R. Holt | 215, 223 | May 13, 1879 | 291 | 85 | 15 | 742 |
| Bridge, Truss | W. Irelan | 220, 382 | Oct. 7, 1879 | 194 | 52 | 16 | 661 |
| Bridges, Construction of | E. Williams | 213, 154 | Mar. 11, 1879 | 465 | 129 | 15 | 364 |
| Bridle | E. R. Cahoone and N. Teas | 212, 130 | Feb. 11, 1879 | 361 | 98 | 15 | 174 |
| Bridle | D. C. Carleton | 214, 883 | Apr. 29, 1879 | 1368 | 381 | 15 | 679 |
| Bridle | M. R. Thurber | 221, 197 | Nov. 4, 1879 | 64 | 17 | 16 | 821 |
| Bridle attachment | B. Anschicks and J. Rosenkranz | 214, 866 | Apr. 29, 1879 | 1352 | 376 | 15 | 677 |
| Bridle-bit | G. P. Butler | 216, 653 | June 17, 1879 | 731 | 209 | 15 | 996 |
| Bridle-bit for horses | G. D. Dudley | 213, 099 | Mar. 11, 1879 | 402 | 111 | 15 | 356 |
| Bridle-bit, Reversible | A. W. Holland and E. N. McKimm. | 212, 935 | Mar. 4, 1879 | 193 | 54 | 15 | 321 |
| Bridle brow-band | E. R. Cahoone | 223, 030 | Dec. 30, 1879 | 1072 | 306 | 16 | 1199 |
| Bridle-front | R. Manning | 220, 162 | Sept. 30, 1879 | 1277 | 350 | 16 | 615 |
| Bridle, Harness | H. E. Fowler | 219, 394 | Sept. 9, 1879 | 398 | 111 | 16 | 471 |
| Bridle-rosette | E. Cevert | 215, 327 | May 13, 1879 | 420 | 125 | 15 | 759 |
| Bridle safety-bit | M. P. Shields | 216, 230 | June 3, 1879 | 229 | 68 | 15 | 914 |
| Bridles, Mounting for | R. E. Whitman | 214, 858 | Apr. 29, 1879 | 1346 | 374 | 15 | 676 |
| Bridles, Winker for | E. R. Cahoone and N. Teas | 211, 886 | Feb. 4, 1879 | 73 | 21 | 15 | 135 |
| Bristles for dyeing, Preparing | T. Dost | 220, 468 | Oct. 14, 1879 | 294 | ..... | 16 | 684 |
| Broiler | W. H. Harrison | 221, 407 | Nov. 11, 1879 | 315 | 86 | 16 | 865 |
| Broiler | C. F. Henis | 218, 440 | Aug. 12, 1879 | 385 | 106 | 16 | 283 |
| Broiler | A. C. Selleck | 213, 532 | Mar. 25, 1879 | 872 | 248 | 15 | 434 |
| Broiler, Steak | J. M. Dick | 214, 814 | Apr. 29, 1879 | 1295 | 362 | 15 | 670 |
| Bronzing-machine | D. Heston | 219, 094 | Sept. 2, 1879 | 42 | 13, 14 | 16 | 418 |
| Bronzing-machine | A. Steiner | 218, 077 | July 29, 1879 | 1307 | 374 | 16 | 209 |
| Bronzing metals | N. W. Williames | 211, 610 | Jan. 21, 1879 | 624 | ..... | 15 | 83 |
| Bronzing wood, porcelain, glass, metal, &c | R. Boettger | 211, 961 | Feb. 4, 1879 | 160 | ..... | 15 | 147 |
| Broom and brush head | G. Iveson | 216, 570 | June 17, 1879 | 644 | 183 | 15 | 984 |
| Broom-corn tabler | G. W. Foulger | 212, 454 | Feb. 18, 1879 | 746 | 205 | 15 | 228 |
| Broom-handles, Machine for striping | S. Lang | 215, 137 | May 6, 1879 | 185 | 53 | 15 | 724 |
| Broom-head | E. W. Shippen | 222, 957 | Dec. 23, 1879 | 984 | 283 | 16 | 1176 |
| Broom holder, Whisk | D. G. Mulford | 221, 739 | Nov. 18, 1879 | 695 | 195 | 16 | 926 |
| Broom-protector, Adjustable | A. R. Norton | 216, 054 | June 3, 1879 | 53 | 14 | 15 | 891 |
| Broom-stock holder | D. A. Scott | 211, 935 | Feb. 4, 1879 | 127 | 37 | 15 | 142 |
| Broom-straw, Table for holding | A. Davis | 219, 921 | Sept. 23, 1879 | 995 | 277 | 16 | 568 |
| Broom-winding machine | C. E. Lipe | 222, 141 | Dec. 2, 1879 | 26 | 7, 8 | 16 | 1012 |
| Broom, Wisp | J. H. Flynn | 218, 251 | Aug. 5, 1879 | 165 | 44 | 16 | 242 |
| Brooms, Manufacture of | D. C. M. Barney | 212, 785 | Mar. 4, 1879 | 7 | 2 | 15 | 297 |
| Brow-band | R. Manning | 218, 755 | Aug. 19, 1879 | 750 | 213 | 16 | 341 |
| Brush | C. L. Pond | 221, 936 | Nov. 25, 1879 | 947 | 266 | 16 | 969 |
| Brush | J. J. C. Smith | 220, 947 | Oct. 28, 1879 | 870 | 233 | 16 | 776 |
| Brush | A. L. Sonn | 218, 587 | Aug. 12, 1879 | 553 | 155 | 16 | 306 |
| Brush | F. Sprower | 211, 431 | Jan. 14, 1879 | 419 | 119 | 15 | 54 |
| Brush | G. Wadsworth and J. F. Smith | 222, 166 | Dec. 2, 1879 | 56 | 14 | 16 | 1017 |
| Brush | D. White | 215, 032 | May 6, 1879 | 54 | 16 | 15 | 709 |
| Brush and fan, Fly | J. Young | 219, 792 | Sept. 16, 1879 | 839 | 231 | 16 | 538 |
| Brush, Blacking | E. N. Andrews | 216, 301 | June 10, 1879 | 333 | 98 | 15 | 934 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Brush, Blacking | F. Chamberlin | 212, 592 | Feb. 25, 1879 | 924 | 256 | 15 | 260 |
| Brush, Blacking | M. V. White | 217, 564 | July 15, 1879 | 721 | 205 | 16 | 116 |
| Brush-cleaner | A. Hopfen | 221, 309 | Nov. 4, 1879 | 186 | 51 | 16 | 838 |
| Brush for washing carriages, &c | A. T. Gerike | 222, 031 | Nov. 25, 1879 | 1048 | 293 | 16 | 982 |
| Brush, Fountain | M. J. Sunderlin | 219, 324 | Sept. 2, 1879 | 308 | 87 | 16 | 451 |
| Brush, Galvanic | B. H. Robb | 221, 612 | Nov. 11, 1879 | 548 | 151 | 16 | 897 |
| Brush, Hair | F. A. Freeman | 212, 844 | Mar. 4, 1879 | 72 | 21 | 15 | 307 |
| Brush-handles, Clamp for securing | A. J. Hinds | 218, 743 | Aug. 19, 1879 | 735 | 209 | 16 | 340 |
| Brush-head | A. Shaffner | 216, 296 | June 10, 1879 | 328 | 96 | 15 | 933 |
| Brush, Metallic | L. D. Grant | 219, 395 | Sept. 9, 1879 | 399 | 111 | 16 | 471 |
| Brush, Mucilage | J. B. Davids | 212, 904 | Mar. 4, 1879 | 153 | 43 | 15 | 316 |
| Brush, Scouring and scrubbing | J. S. Dunham | 218, 431 | Aug. 12, 1879 | 376 | 103 | 16 | 282 |
| Brush, Shoe | C. Herold | 219, 581 | Sept. 16, 1879 | 599 | 167 | 16 | 505 |
| Brush, Shoe | G. D. Mitchell | 214, 419 | Apr. 15, 1879 | 826 | 232 | 15 | 594 |
| Brush, Shoe | J. A. Stahle | 212, 279 | Feb. 11, 1879 | 523 | 146 | 15 | 195 |
| Brush, Shoe | F. Zuenkeler | 216, 123 | June 3, 1879 | 123 | 36 | 15 | 900 |
| Brush wheel, Scouring | J. A. Spence | 223, 016 | Dec. 30, 1879 | 1059 | 303 | 16 | 1197 |
| Brush-wood-boring machine | V. P. Willcox and O. Ranney | 219, 550 | Sept. 9, 1879 | 556 | 156 | 16 | 491 |
| Brush, Wooden | B. F. Carpenter and G. W. Lee | 221, 032 | Oct. 28, 1879 | 975 | 259 | 16 | 789 |
| Brushes, Making | J. Ames, jr | 217, 972 | July 29, 1879 | 1194 | 342 | 16 | 194 |
| Brushes, Manufacture of metallic | D. B. Lovejoy | 220, 297 | Oct. 7, 1879 | 98 | 26 | 16 | 648 |
| Brushes, Vulcanized-rubber face for metallic | E. A. Hill | 216, 408 | June 10, 1879 | 458 | 131 | 15 | 950 |
| Bubble-blowing apparatus | D. Greenwalt | 216, 176 | June 3, 1879 | 177 | 52 | 15 | 907 |
| Bucket, Butter and egg | G. J. Cook | 215, 576 | May 20, 1879 | 703 | 206 | 15 | 806 |
| Bucket, Well | A. Zimmerer | 214, 342 | Apr. 15, 1879 | 740 | 207 | 15 | 584 |
| Buckle | G. G. Bugbee | 222, 007 | Nov. 25, 1879 | 1023 | 286 | 16 | 978 |
| Buckle | W. J. Carnes, jr | 217, 058 | July 1, 1879 | 148 | 43 | 16 | 21 |
| Buckle | W. J. Carnes, jr | 218, 486 | Aug. 12, 1879 | 443 | 123 | 16 | 290 |
| Buckle | W. J. Carnes, sr | 222, 865 | Dec. 23, 1879 | 882 | 253 | 16 | 1161 |
| Buckle | V. A. Coleman | 214, 492 | Apr. 22, 1879 | 914 | 258 | 15 | 614 |
| Buckle | A. Eugström | 220, 063 | Sept. 30, 1879 | 1173 | 322 | 16 | 600 |
| Buckle | G. M. Harnisch | 217, 097 | July 1, 1879 | 195 | 56 | 16 | 27 |
| Buckle | D. J. Jeffery | 221, 071 | Oct. 28, 1879 | 1018 | 270 | 16 | 795 |
| Buckle | F. W. Johnson | 214, 397 | Apr. 15, 1879 | 804 | 225 | 15 | 591 |
| Buckle | G. W. McGill | 220, 935 | Oct. 28, 1879 | 854 | 229 | 16 | 774 |
| Buckle | J. F. Molloy | 211, 249 | Jan. 7, 1879 | 185 | 54 | 15 | 24 |
| Buckle | J. F. Molloy | 211, 580 | Jan. 21, 1879 | 589 | 166 | 15 | 78 |
| Buckle | J. F. Molloy | 212, 254 | Feb. 11, 1879 | 494 | 137 | 15 | 192 |
| Buckle | N. F. Revell | 214, 315 | Apr. 15, 1879 | 711 | 199 | 15 | 580 |
| Buckle | T. S. Richards | 221, 863 | Nov. 18, 1879 | 846 | 237 | 16 | 946 |
| Buckle | E. A. Smith | 214, 723 | Apr. 22, 1879 | 1173 | 330 | 15 | 646 |
| Buckle | G. D. Smith | 216, 114 | June 3, 1879 | 113 | 32 | 15 | 899 |
| Buckle | G. A. Welden and W. K. Royce | 216, 005 | May 27, 1879 | 1170 | 340 | 15 | 875 |
| Buckle | T. L. Wiswell | 214, 978 | Apr. 29, 1879 | 1463 | 407 | 15 | 692 |
| Buckle and hook, Combined | W. M. Lerch | 218, 820 | Aug. 26, 1879 | 849 | 239 | 16 | 365 |
| Buckle and snap, Combined | G. Iveson | 222, 705 | Dec. 16, 1879 | 695 | 200 | 16 | 1124 |
| Buckle and trace-carrier, Combined | T. L. Wiswell | 222, 114 | Nov. 25, 1879 | 1144 | 323 | 16 | 996 |
| Buckle-clasp | F. D. Ballou | 212, 832 | Mar. 4, 1879 | 60 | 18 | 15 | 305 |
| Buckle, Hame | W. C. Huston | 216, 520 | June 17, 1879 | 593 | 168 | 15 | 976 |
| Buckle, Harness | J. P. Hisley | 213, 200 | Mar. 11, 1879 | 513 | 142 | 15 | 371 |
| Buckle, Harness | G. D. Mosher | 222, 196 | Dec. 2, 1879 | 91 | 22 | 16 | 1021 |
| Buckle-shield | D. Mosman | 222, 720 | Dec. 16, 1879 | 709 | 204 | 16 | 1127 |
| Buckle, Stocking-suspender | J. H. Goldstein | 222, 584 | Dec. 16, 1879 | 552 | 157 | 16 | 1104 |
| Buckle, Suspender | W. F. Osborne | 217, 953 | July 29, 1879 | 1176 | 337 | 16 | 192 |
| Buckle, Trace | C. B. Bristol | 214, 096 | Apr. 8, 1879 | 439 | 124 | 15 | 535 |
| Buckle, Trace | G. H. Drury | 212, 203 | Feb. 11, 1879 | 446 | 122 | 15 | 185 |
| Buckle, Trace | G. M. Harnisch | 217, 098 | July 1, 1879 | 196 | 56 | 16 | 27 |
| Buckle, Trace | G. M. Hubbard | 219, 864 | Sept. 23, 1879 | 929 | 257 | 16 | 559 |
| Buckle, Trace | A. McMullen | 215, 829 | May 27, 1879 | 989 | 289 | 15 | 851 |
| Buckle, Trace | H. Persels | 213, 063 | Mar. 11, 1879 | 350 | 98 | 15 | 350 |
| Buckle, Trace | M. Ross | 217, 488 | July 15, 1879 | 637 | 182 | 16 | 105 |
| Buckle, Trace | D. Schoenthaler | 218, 068 | July 29, 1879 | 1300 | 372 | 16 | 208 |
| Buckle, Trace | T. J. Smith | 221, 623 | Nov. 11, 1879 | 558 | 154 | 16 | 899 |
| Buckles, &c., to straps, Device for securing | B. F. Barrow | 217, 044 | July 1, 1879 | 129 | 38 | 16 | 19 |
| Buckwheat-hulling apparatus | G. S. Cranson | 217, 513 | July 15, 1879 | 663 | 189 | 16 | 108 |
| Buffer-spring | W. M. Betts | 213, 032 | Mar. 11, 1879 | 317 | 89 | 15 | 346 |
| Bug-destroyer | R. H. Spalding | 218, 789 | Aug. 19, 1879 | 787 | 224 | 16 | 347 |
| Bugs from vines, Apparatus for removing and collecting. | G. W. Wood and C. H. Smith | 214, 478 | Apr. 15, 1879 | 881 | 249 | 15 | 602 |
| Buggy-seat | L. J. Annes | 211, 878 | Feb. 4, 1879 | 65 | 19 | 15 | 134 |
| Buggy sulky attachment | A. H. Morse | 216, 436 | June 10, 1879 | 492 | 141 | 15 | 954 |
| Building | W. E. Brock | 217, 984 | July 29, 1879 | 1204 | 345 346 | 16 | 196 |
| Building-block | S. Luke and D. Davis | 212, 243 | Feb. 11, 1879 | 482 | 133 | 15 | 190 |
| Building-block | J. Thompson | 222, 211 | Dec. 2, 1879 | 109 | 27 | 16 | 1023 |
| Building, Fire-proof | J. J. Schillinger | 213, 945 | Apr. 1, 1879 | 224 | 66 | 15 | 502 |
| Building, Fire-proof | J. J. Schillinger | 221, 107 | Oct. 28, 1879 | 1057 | 280 | 16 | 800 |
| Buildings, Bent for frame | E. N. Van Riper and H. S. Seely | 219, 786 | Sept. 16, 1879 | 832 | 230 | 16 | 536 |
| Buildings, Construction of | H. R. Canine | 212, 894 | Mar. 4, 1879 | 143 | 40 | 15 | 314 |
| Buildings, Construction of | F. Kaltwasser | 221, 319 | Nov. 4, 1879 | 204 | 55 | 16 | 840 |
| Bullet-machine | J. Moore | 222, 933 | Dec. 23, 1879 | 957 | 275 | 16 | 1172 |
| Bullets, Manufacturing | W. W. Winchester | 219, 840 | Sept. 23, 1879 | 907 | 250 | 16 | 556 |
| Bung | H. Holder | 217, 287 | July 8, 1879 | 407 | 120 | 16 | 64 |
| Bung | J. L. Johnston | 221, 827 | Nov. 18, 1879 | 806 | 224 | 16 | 940 |
| Bung | J. R. Jones and F. V. Sandford | 217, 225 | July 8, 1879 | 345 | 102 | 16 | 56 |
| Bung | W. D. Scott | 219, 985 | Sept. 23, 1879 | 1062 | 294 | 16 | 577 |
| Bung | C. G. Singer | 223, 070 | Dec. 30, 1879 | 1121 | 318 | 16 | 1205 |
| Bung | W. H. Stewart | 222, 094 | Nov. 25, 1879 | 1126 | 317 | 16 | 993 |
| Bung | F. Zuchfarber | 222, 164 | Dec. 2, 1879 | 54 | 13 | 16 | 1016 |
| Bung and bush | T. T. Brown | 222, 238 | Dec. 2, 1879 | 144 | 36 | 16 | 1028 |
| Bung and bushing | J. A. Rutschmau | 220, 871 | Oct. 21, 1879 | 765 | 204 | 16 | 753 |
| Bung and stopper for casks | W. H. Stewart | 220, 773 | Oct. 21, 1879 | 662 | 176 | 16 | 739 |
| Bung, Barrel | G. H. Gillette | 212, 559 | Feb. 25, 1879 | 877 | 242 | 15 | 253 |
| Bung-bush | A. O. Müller | 222, 936 | Dec. 23, 1879 | 961 | 276 | 16 | 1173 |
| Bung-bush inserter and expander | G. H. Gillette | 218, 871 | Aug. 26, 1879 | 914 | 255 | 16 | 373 |

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|---|---|---|---|---|---|---|---|
| Bung-bush wrench | D. Ackerman | 218,106 | Aug. 5, 1879 | 1 | 1 | 16 | 221 |
| Bung-bushing | W. Johnson | 219,099 | Sept. 2, 1879 | 47 | 15 | 16 | 418 |
| Bung-extractor | E. Henderer | 215,357 | May 13, 1879 | 444 | 132 | 15 | 762 |
| Bung, Self opening and closing | W. Enticott | 217,274 | July 8, 1879 | 395 | 116 | 16 | 62 |
| Bung, Vent | T. M. Armstrong | 216,993 | July 1, 1879 | 70 | 21 | 16 | 11 |
| Bung, Vent | F. Pentlarge | 215,288 | May 13, 1879 | 376 | 108 | 15 | 753 |
| Buoy for indicating sunken vessels | T. G. Wardwell and H. A. Currier. | 222,215 | Dec. 2, 1879 | 113 | 28 | 16 | 1024 |
| Burglar-alarm | H. Clement | 214,625 | Apr. 22, 1879 | 1070 | 300 | 15 | 633 |
| Burglar-alarm | A. Crosby | 211,556 | Jan. 21, 1879 | 560 | 158 | 15 | 74 |
| Burglar-alarm | J. A. Daniels | 218,240 | Aug. 5, 1879 | 154 | 41 | 16 | 241 |
| Burglar-alarm | J. Decker | 222,873 | Dec. 23, 1879 | 890 | 256 | 16 | 1162 |
| Burglar-alarm | H. Hart | 214,129 | Apr. 8, 1879 | 475 | 135 | 15 | 540 |
| Burglar-alarm | G. Hutty | 219,401 | Sept. 9, 1879 | 406 | 113 | 16 | 471 |
| Burglar-alarm | T. D. Lockwood | 217,543 | July 15, 1879 | 694 | 198 | 16 | 113 |
| Burglar-alarm | T. Powell | 222,949 | Dec. 23, 1879 | 975 | 280 | 16 | 1175 |
| Burglar-alarm | J. S. Ranney | 212,053 | Feb. 4, 1879 | 269 | 73 | 15 | 159 |
| Burglar-alarm | J. A. Reese | 213,936 | Apr. 1, 1879 | 216 | 64 | 15 | 500 |
| Burglar-alarm | A. J. Ridgeway | 222,533 | Dec. 9, 1879 | 477 | 135 | 16 | 1083 |
| Burglar-alarm | A. P. Sims | 217,556 | July 15, 1879 | 711 | 203 | 16 | 115 |
| Burglar-alarm | J. D. William | 213,728 | Mar. 25, 1879 | 1088 | 308 | 15 | 462 |
| Burglar-alarm, Pneumatic safe | J. T. Smith | 211,272 | Jan. 7, 1879 | 212 | 62 | 15 | 27 |
| Burial-case | G. W. Boyd | 220,119 | Sept. 30, 1879 | 1233 | 339 | 16 | 609 |
| Burial-case | J. T. Leach and D. B. Hiser | 213,762 | Apr. 1, 1879 | 34 | 11 | 15 | 477 |
| Burial-case, Metallic | J. Hackett | 215,273 | May 13, 1879 | 355 | 102 | 15 | 750 |
| Burial-casket | L. W. Drake | 216,513 | June 17, 1879 | 583 | 166 | 15 | 975 |
| Burial-casket | W. S. Hassall | 219,721 | Sept. 16, 1879 | 762 | 211 | 16 | 527 |
| Burial-casket | J. R. Nelson | 212,565 | Feb. 25, 1879 | 893 | 247 | 15 | 256 |
| Burial-robes, Front for | B. Rice | 212,265 | Feb. 11, 1879 | 505 | 141 | 15 | 193 |
| Burial-safe, Metallic | S. P. McClean | 220,402 | Oct. 7, 1879 | 214 | 57 | 16 | 664 |
| Burner: *See* Gas-burner. Gas-regulating burner. Gasoline-burner. Hydrocarbon-burner. Lamp-burner. Self-lighting burner. Vapor-burner. Vapor-generating burner. | | | | | | | |
| Burr-holder and spirit-lamp, Combined | T. S. Waters | 222,107 | Nov. 25, 1879 | 1138 | 320 | 16 | 995 |
| Bush for barrels | J. Hartzheim | 222,587 | Dec. 16, 1879 | 554 | 158 | 16 | 1104 |
| Bushes in holes, Tool for securing | C. G. Singer | 220,996 | Oct. 28, 1879 | 934 | 249 | 16 | 784 |
| Bushing, Wooden | K. C. Gillette | 222,269 | Dec. 2, 1879 | 174 | 45 | 16 | 1032 |
| Butter and egg package | S. McHenry | 215,953 | May 27, 1879 | 1126 | 326 | 15 | 869 |
| Butter and fruit package | C. A. Sands | 215,245 | May 13, 1879 | 316 | 93 | 15 | 745 |
| Butter and lard, Box for packing | J. W. Rogers | 212,625 | Feb. 25, 1879 | 960 | 265 | 15 | 264 |
| Butter-box, Knock-down | E. M. Burchard | 211,318 | Jan. 14, 1879 | 295 | 88 | 15 | 39 |
| Butter-case, Refrigerating | E. Slocum | 215,984 | May 27, 1879 | 1151 | 335 | 15 | 872 |
| Butter, Device for filling veneer boxes with | G. W. Bradley | 212,651 | Feb. 25, 1879 | 984 | 273 | 15 | 268 |
| Butter, Device for tempering | E. Bacher and W. McKinnis | 219,137 | Sept. 2, 1879 | 90 | 28 | 16 | 424 |
| Butter-mold | W. S. Alexander | 215,856 | May 27, 1879 | 1025 | 299 | 15 | 856 |
| Butter-mold | M. T. Nesbitt | 212,970 | Mar. 4, 1879 | 236 | 65 | 15 | 327 |
| Butter-package | R. B. Griffin | 221,810 | Nov. 18, 1879 | 789 | 220 | 16 | 937 |
| Butter-package | W. W. Rodgers | 215,775 | May 27, 1879 | 923 | 271 | 15 | 844 |
| Butter-package | A. G. Stilson | 213,357 | Mar. 18, 1879 | 695 | 194 | 15 | 403 |
| Butter-package | W. White | 217,839 | July 22, 1879 | 1039 | 297 | 16 | 167 |
| Butter-package | A. White | 218,609 | Aug. 12, 1879 | 577 | 162 | 16 | 310 |
| Butter-packages, Removable casing for | G. J. Record | 215,674 | May 20, 1879 | 809 | 237 | 15 | 820 |
| Butter, Packing | W. White | 217,919 | July 29, 1879 | 1141 | 326 | 16 | 187 |
| Butter, Preparing and packing | J. Higgins | 213,568 | Mar. 25, 1879 | 917 | 261 | 15 | 439 |
| Butter-print | J. R. Kiuerson | 215,633 | May 20, 1879 | 768 | 225 | 15 | 815 |
| Butter-stamp | W. Hart | 216,674 | June 17, 1879 | 752 | 215 | 15 | 998 |
| Butter-tub | R. R. Jones | 219,268 | Sept. 2, 1879 | 243 | 69 | 16 | 443 |
| Butter-worker | G. A. Blanchard | 217,982 | July 29, 1879 | 1202 | 345 | 16 | 195 |
| Butter-worker | E. M. Pike | 218,311 | Aug. 5, 1879 | 227 | 61 | 16 | 251 |
| Butter worker and printer, Combined | W. Weaver | 219,329 | Sept. 2, 1879 | 312 | 88 | 16 | 451 |
| Butter-worker cooler | H. C. Warner | 216,635 | June 17, 1879 | 713 | 204 | 15 | 993 |
| Butter-working machine | J. S. Lash | 221,584 | Nov. 11, 1879 | 521 | 143 | 16 | 893 |
| Button | L. W. Barnes | 221,495 | Nov. 11, 1879 | 439 | 114 | 16 | 878 |
| Button | C. E. Bates | 211,882 | Feb. 4, 1879 | 68 | 20 | 15 | 134 |
| Button | C. Brandt | 216,255 | June 10, 1879 | 276 | 82 | 15 | 927 |
| Button | R. Breul | 215,042 | May 6, 1879 | 65 | 20 | 15 | 711 |
| Button | J. F. Christian | 211,702 | Jan. 28, 1879 | 744 | 208 | 15 | 102 |
| Button | D. S. Cooke | 217,269 | July 8, 1879 | 388 | 115 | 16 | 61 |
| Button | W. W. Covell | 219,447 | Sept. 9, 1879 | 455 | 127 | 16 | 478 |
| Button | R. Liebmann | 219,743 | Sept. 16, 1879 | 783 | 216 | 16 | 530 |
| Button | F. W. Richards | 216,701 | June 17, 1879 | 783 | 224 | 15 | 1003 |
| Button | S. W. Shorey | 216,811 | June 24, 1879 | 927 | 264 | 15 | 1030 |
| Button | E. S. Wheeler | 220,101 | Sept. 30, 1879 | 1216 | 335 | 16 | 607 |
| Button | F. E. Williams | 212,418 | Feb. 18, 1879 | 690 | 192 | 15 | 221 |
| Button and fastening | J. H. Robertson | 222,309 | Dec. 2, 1879 | 214 | 56 | 16 | 1038 |
| Button and stud | B. J. Angell | 216,930 | July 1, 1879 | 2 | 1 | 16 | 3 |
| Button and stud | F. P. Barney | 217,318 | July 8, 1879 | 437 | 129 | 16 | 68 |
| Button and stud | W. H. Blaney | 218,157 | Aug. 5, 1879 | 60 | 16 | 16 | 228 |
| Button and stud | C. G. Bloomer | 215,868 | May 27, 1879 | 1036 | 302 | 15 | 858 |
| Button and stud | C. Downs | 218,864 | Aug. 26, 1879 | 908 | 254 | 16 | 372 |
| Button and stud | W. R. Dutemple | 219,359 | Sept. 9, 1879 | 346 | 98 | 16 | 464 |
| Button and stud | A. C. Greene | 220,531 | Oct. 14, 1879 | 370 | 97 | 16 | 693 |
| Button and stud | P. Nerney | 218,638 | Aug. 19, 1879 | 628 | 177 | 16 | 324 |
| Button and stud | E. A. Robinson | 221,363 | Nov. 4, 1879 | 252 | 68 | 16 | 847 |
| Button and stud | W. E. Robinson | 218,688 | Aug. 19, 1879 | 680 | 193 | 16 | 332 |
| Button and stud fastening | C. L. Watson | 217,966 | July 29, 1879 | 1189 | 341 | 16 | 194 |
| Button, Boot and shoe | W. S. Boyd, 3d | 222,124 | Dec. 2, 1879 | 8 | 3 | 16 | 1010 |
| Button, Boot and shoe | G. H. W. Curtis | 221,397 | Nov. 11, 1879 | 304 | 83 | 16 | 863 |
| Button-card | G. P. Farmer | 222,482 | Dec. 9, 1879 | 424 | 120 | 16 | 1076 |
| Button-card | C. A. Righter | 221,358 | Nov. 4, 1879 | 246 | 67 | 16 | 846 |
| Button-card | J. Thornton | 215,992 | May 27, 1879 | 1158 | 337 | 15 | 873 |
| Button-carving machine | H. A. Kimball | 217,949 | July 29, 1879 | 1173 | 336 | 16 | 191 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Button, Collar | S. J. Allen | 222,172 | Dec. 2, 1879 | 63 | 15 | 16 | 1017 |
| Button, Curtain | T. J. Graham | 222,692 | Dec. 16, 1879 | 682 | 196 | 16 | 1122 |
| Button, Dress | R. E. Brookes | 220,697 | Oct. 21, 1879 | 571 | 152 | 16 | 727 |
| Button for gloves, &c | D. A. Johnson | 219,358 | Sept. 9, 1879 | 354 | 101 | 16 | 465 |
| Button-hole | M. Hermann | 218,738 | Aug. 19, 1879 | 731 | 208 | 16 | 339 |
| Button-hole cutter | M. L. and G. M. Sanborn | 222,080 | Nov. 25, 1879 | 1102 | 310 | 16 | 990 |
| Button-hole guard | G. W. Prentice | 215,541 | May 20, 1879 | 663 | 193 | 15 | 801 |
| Button-hook | G. L. Platt | 218,570 | Aug. 12, 1879 | 535 | 151 | 16 | 304 |
| Button-machinery | C. N. Thomas | 218,338 | Aug. 5, 1879 | 255 | 69 | 16 | 254 |
| Button, Metallic | C. Radcliffe | 216,973 | July 1, 1879 | 53 | 16 | 16 | 9 |
| Button or stud | R. B. Banister | 222,228 | Dec. 2, 1879 | 128 | 32 | 16 | 1026 |
| Button or stud, Separable | F. P. Barney | 222,441 | Dec. 9, 1879 | 367 | 104 | 16 | 1069 |
| Button, Separable | W. Bourke | 222,232 | Dec. 2, 1879 | 137 | 34 | 16 | 1027 |
| Button, Separable | N. P. Maker | 222,716 | Dec. 16, 1879 | 705 | 202 | 16 | 1126 |
| Button, Separable | A. R. Lendner | 222,356 | Dec. 9, 1879 | 276 | 77 | 16 | 1057 |
| Button, Separable | G. Pitts | 216,971 | July 1, 1879 | 51 | 16 | 16 | 9 |
| Button, Separable | C. F. Quinley | 221,189 | Nov. 4, 1879 | 55 | 15 | 16 | 819 |
| Button, Separable | W. G. Smith | 219,369 | Sept. 9, 1879 | 370 | 104 | 16 | 467 |
| Button-shank | A. Milliken | 218,186 | Aug. 5, 1879 | 93 | 25 | 16 | 233 |
| Button, Sleeve | W. Bourke | 219,204 | Sept. 2, 1879 | 158 | 47 | 16 | 433 |
| Button, Sleeve | W. L. Bundy | 214,486 | Apr. 22, 1879 | 907 | 256 | 15 | 613 |
| Button, Sleeve | L. Rubens | 214,708 | Apr. 22, 1879 | 1158 | 326 | 15 | 645 |
| Button, Sleeve and collar | R. M. Tripp | 219,325 | Sept. 2, 1879 | 309 | 87 | 16 | 451 |
| Button, Suspender | M. J. Racer | 218,772 | Aug. 19, 1879 | 769 | 218 | 16 | 344 |
| Button-working machine | F. Loeper | 222,923 | Dec. 23, 1879 | 946 | 272 | 16 | 1171 |
| Buttons, Die for molding | H. R. French | 211,090 | Jan. 7, 1879 | 13 | 4 | 15 | 2 |
| Buttons from blood and other material, Manufacture of ornamental. | W. F. Niles | 217,705 | July 22, 1879 | 899 | ..... | 16 | 149 |
| Buttons, Machine for ornamenting | G. S. Beers | 220,115 | Sept. 30, 1879 | 1229 | 339 | 16 | 608 |
| Buttons, &c., Machine for polishing | T. L. Calkins and F. O. Badger | 221,030 | Oct. 28, 1879 | 971 | 258 | 16 | 788 |
| Buttons, &c., Manufacturing | W. F. Niles | 221,852 | Nov. 18, 1879 | 832 | ..... | 16 | 943 |
| Buttons to cards, Machine for securing | S. L. Otis | 222,837 | Dec. 23, 1879 | 847 | 243, 244 | 16 | 1156 |
| Buttons to shoes, Tool for attaching | A. Wisner and J. A. House | 211,950 | Feb. 4, 1879 | 146 | 43 | 15 | 145 |
| C. | | | | | | | |
| Cabinet for holding and exhibiting engravings | A. K. Potter | 222,640 | Dec. 16, 1879 | 626 | 178 | 16 | 1114 |
| Cabinet, Provision | W. Nelson | 221,090 | Oct. 28, 1879 | 1039 | 275 | 16 | 798 |
| Cabinet, Toilet | F. C. Zanetti | 221,383 | Nov. 4, 1879 | 271 | 73 | 16 | 850 |
| Caboose for freight-cars | C. L. Heywood | 216,403 | June 10, 1879 | 454 | 129 | 15 | 949 |
| Caddy, Spice | W. B. Hartley | 220,609 | Oct. 14, 1879 | 464 | 121 | 16 | 705 |
| Cake-basket, fruit-stand, &c | W. C. Beattie | 214,870 | Apr. 29, 1879 | 1355 | 377 | 15 | 677 |
| Cake-cooler | H. N. Tucker | 219,835 | Sept. 23, 1879 | 904 | 249 | 16 | 555 |
| Cake-machine | D. M. Holmes | 220,378 | Oct. 7, 1879 | 189 | 50 | 16 | 660 |
| Cake-machine | D. M. Holmes | 220,379 | Oct. 7, 1879 | 190 | 51 | 16 | 661 |
| Cake-machine | D. M. Holmes | 220,380 | Oct. 7, 1879 | 191 | 51 | 16 | 661 |
| Cake-machine | J. W. and A. Ruger | 216,461 | June 10, 1879 | 518 | 148 | 15 | 958 |
| Cake machine, Soft | J. T. Trott | 222,212 | Dec. 2, 1879 | 110 | 27 | 16 | 1024 |
| Cakes with sugar, &c., Apparatus for coating | J. W. and A. Ruger | 213,453 | Mar. 18, 1879 | 784 | 221 | 15 | 415 |
| Calculating percentage, &c., Device for | J. L. Knight | 214,510 | Apr. 22, 1879 | 944 | 267 | 15 | 617 |
| Calculator | W. M. Briggs | 222,126 | Dec. 2, 1879 | 10 | 3 | 16 | 1010 |
| Calculator | G. Fuller | 219,246 | Sept. 2, 1879 | 222 | 64 | 16 | 440 |
| Calculator, Mechanical | H. H. Ham, jr | 214,128 | Apr. 8, 1879 | 474 | 135 | 15 | 539 |
| Calculator, Mechanical | S. Petty | 221,186 | Nov. 4, 1879 | 52 | 14 | 16 | 819 |
| Calculator, Tax | R. L. Mudd | 213,234 | Mar. 11, 1879 | 546 | 151, 152 | 15 | 375 |
| Calculator, Tax | P. F. Pettibone | 212,498 | Feb. 18, 1879 | 791 | 219 | 15 | 234 |
| Calendar | G. Bergen | 211,128 | Jan. 7, 1879 | 56 | 18 | 15 | 8 |
| Calendar | C. W. Bryan | 216,937 | July 1, 1879 | 11 | 3 | 16 | 4 |
| Calendar | W. H. Cars | 215,094 | May 6, 1879 | 123 | 37 | 15 | 718 |
| Calendar | W. F. Ertber | 211,391 | Jan. 14, 1879 | 374 | 107 | 15 | 48 |
| Calendar | J. E. Heath | 219,156 | Sept. 2, 1879 | 109 | 33 | 16 | 426 |
| Calendar | J. W. Robinson | 216,975 | July 1, 1879 | 54 | 17 | 16 | 9 |
| Calendar | E. J. Trum | 217,433 | July 8, 1879 | 563 | 161 | 16 | 83 |
| Calendar | J. M. Wolbrecht | 219,054 | Aug. 26, 1879 | 1108 | 311 | 16 | 490 |
| Calendar and time-piece, Combined | M. H. Paddock | 211,583 | Jan. 21, 1879 | 593 | 168 | 15 | 79 |
| Calendar, Counting-house | N. F. Twing and H. E. Ducker | 219,836 | Sept. 23, 1879 | 904 | 249 | 16 | 555 |
| Calendar, rule, and match-case, Combined | F. Ratcliff | 217,406 | July 8, 1879 | 534 | 153 | 16 | 80 |
| Calendar-support | R. C. Pruyn and C. M. Hyatt | 215,669 | May 20, 1879 | 804 | 235 | 15 | 820 |
| Calendar-support | R. C. Pruyn and C. M. Hyatt | 215,974 | May 27, 1879 | 1143 | 332 | 15 | 871 |
| Calendering-machine | G. E. Marshall | 218,756 | Aug. 19, 1879 | 751 | 214 | 16 | 341 |
| Calendering paper, &c., Machine for | H. Schlatter and H. C. Gros | 222,081 | Nov. 25, 1879 | 1103 | 310, 311 | 16 | 990 |
| Calisthenic motor | A. S. Gear | 221,959 | Nov. 25, 1879 | 977 | 273 | 16 | 972 |
| Calk attachment | J. D. Rosenberger | 219,876 | Sept. 23, 1879 | 943 | 260 | 16 | 560 |
| Cam | J. H. Cranston | 217,068 | July 1, 1879 | 158 | 46 | 16 | 23 |
| Camera-screen attachment | L. Daft | 221,670 | Nov. 18, 1879 | 616 | 173 | 16 | 915 |
| Can: *See* Cream-raising can. Creaming-can. Drawing or roving can. Explosive-fluid can. Jacketed can. Measuring-can. Meat-can. Metal can. Metallic can. Oil-can. Paint-can. Sheet-metal can. Sirup-can. Sprinkling-can. Tin can. | | | | | | | |
| Can | J. Askwith | 215,311 | May 13, 1879 | 404 | 120 | 15 | 756 |
| Can | H. H. Hull | 222,995 | Dec. 30, 1879 | 1034 | 296 | 16 | 1193 |
| Can | W. H. King | 216,963 | July 1, 1879 | 41 | 13, 14 | 16 | 8 |
| Can | T. W. McNally | 221,245 | Nov. 4, 1879 | 117 | 31 | 16 | 828 |
| Can | J. F. Tyrrell | 216,985 | July 1, 1879 | 63 | 19 | 16 | 10 |
| Can and cover therefor | G. H. Chinnock | 221,667 | Nov. 18, 1879 | 612 | 172 | 16 | 914 |
| Can box, Swinging | H. Acker | 217,568 | July 15, 1879 | 724 | 206 | 16 | 116 |
| Can-case | G. W. Banker | 216,497 | June 17, 1879 | 563 | 161 | 15 | 973 |

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|---|---|---|---|---|---|---|---|
| Can-case | J. M. Bean | 213,275 | Mar. 18, 1879 | 605 | 171 | 15 | 391 |
| Can, &c., case | J. M. Bean | 216,932 | July 1, 1879 | 5 | 1 | 16 | 3 |
| Can-casing | F. C. Wilson | 222,763 | Dec. 16, 1879 | 750 | 215, 216 | 16 | 1132 |
| Can-cover | J. H. Hettinger | 220,835 | Oct. 21, 1879 | 731 | 194 | 16 | 747 |
| Can filling and soldering apparatus | W. A. Wicks | 216,924 | June 24, 1879 | 1053 | 298, 299 | 15 | 1046 |
| Can for hermetically-sealed goods | C. C. Lane | 221,325 | Nov. 4, 1879 | 210 | 57 | 16 | 841 |
| Can for hermetically-sealed goods | C. C. Lane | 221,468 | Nov. 11, 1879 | 387 | 106 | 16 | 874 |
| Can guard or jacket | G. H. Perkins and G. Browne | 218,398 | Aug. 12, 1879 | 334 | 92 | 16 | 276 |
| Can-heading machine | W. J. Gordon | 214,292 | Apr. 15, 1879 | 671 | 188 | 15 | 575 |
| Can-heads, Machine for making | C. P. Babcock | 214,230 | Apr. 15, 1879 | 597 | 169, 170 | 15 | 565 |
| Can-labeling machine | D. Heston | 219,472 | Sept. 9, 1879 | 481 | 133 | 16 | 481 |
| Can-opener | J. Hilton | 220,241 | Oct. 7, 1879 | 37 | 9 | 16 | 640 |
| Can-opener | J. G. Wiggins | 219,049 | Aug. 26, 1879 | 1103 | 310 | 16 | 399 |
| Can-opener | T. F. Wilson | 213,723 | Mar. 25, 1879 | 1081 | 307 | 15 | 461 |
| Can or vessel for containing oil and other liquids | M. Stransky | 218,792 | Aug. 19, 1879 | 790 | 225 | 16 | 347 |
| Can-protector | C. W. Mills | 218,187 | Aug. 5, 1879 | 94 | 25 | 16 | 233 |
| Can-seaming machine | R. D. Hume | 220,289 | Oct. 7, 1879 | 89 | 24 | 16 | 647 |
| Can-top | F. Willcox | 221,489 | Nov. 11, 1879 | 413 | 112 | 16 | 877 |
| Can-tops, &c., Die for cutting | J. W. Farrell | 222,481 | Dec. 9, 1879 | 423 | 120 | 16 | 1076 |
| Cans, Frame or support for swinging | F. C. Wilson | 222,764 | Dec. 16, 1879 | 751 | 216 | 16 | 1132 |
| Cans, Hermetically sealing | E. R. Powell | 220,307 | Oct. 7, 1879 | 110 | 29 | 16 | 650 |
| Cans, Safety-nozzle for | J. Lucas | 212,147 | Feb. 11, 1879 | 379 | 103 | 15 | 177 |
| Candle | F. Maguire | 214,258 | Apr. 15, 1879 | 635 | 178 | 15 | 570 |
| Candle, Electric | J. B. Fuller | 215,733 | May 27, 1879 | 881 | 257 | 15 | 838 |
| Candle-holder | F. Arzt | 214,868 | Apr. 29, 1879 | 1354 | 377 | 15 | 677 |
| Candlestick | J. Frick | 213,184 | Mar. 11, 1879 | 499 | 138 | 15 | 369 |
| Candlestick | H. Grom | 217,366 | July 8, 1879 | 494 | 143 | 16 | 75 |
| Candlestick | R. H. E. Siebert | 218,073 | July 29, 1879 | 1303 | 373 | 16 | 208 |
| Candlestick | A. J. Smith | 213,701 | Mar. 25, 1879 | 1058 | 301 | 15 | 458 |
| Candlestick | A. J. Smith | 220,879 | Oct. 21, 1879 | 777 | 207 | 16 | 754 |
| Candy-machine | R. M. Marshall | 212,811 | Mar. 4, 1879 | 34 | 12 | 15 | 302 |
| Candy, Medicated | G. P. Brown | 214,359 | Apr. 15, 1879 | 762 | ..... | 15 | 586 |
| Cane-juice, Apparatus for bleaching | E. E. Lauve | 214,571 | Apr. 22, 1879 | 1011 | 285 | 15 | 626 |
| Cane-juice, Apparatus for defecating | L. B. Hart | 219,466 | Sept. 9, 1879 | 474 | 132 | 16 | 480 |
| Cane-shaving machine | G. S. Colburn | 216,723 | June 24, 1879 | 823 | 235 | 15 | 1018 |
| Canister: *See* Spice-canister. | | | | | | | |
| Canning food | H. Warden | 223,083 | Dec. 30, 1879 | 1137 | ..... | 16 | 1207 |
| Cant-hook | A. Sanford | 219,117 | Sept. 2, 1879 | 68 | 22 | 16 | 421 |
| Cap | A. Meyering | 214,681 | Apr. 22, 1879 | 1128 | 316 | 15 | 641 |
| Cap, Child's embroidered | W. G. Caldwell | 214,550 | Apr. 22, 1879 | 991 | 279 | 15 | 623 |
| Capsule-filling apparatus | F. E. Davenport | 221,534 | Nov. 11, 1879 | 468 | 128 | 16 | 885 |
| Capsules from molds, Device for removing | F. A. Hubel | 223,140 | Dec. 30, 1879 | 1204 | 340 | 16 | 1216 |
| Capsules, Machine for cutting off gelatine | F. A. Hubel | 223,139 | Dec. 30, 1879 | 1203 | 339 | 16 | 1216 |
| Car and cable coupling | W. S. Nearing | 219,972 | Sept. 23, 1879 | 1051 | 291 | 16 | 576 |
| Car and track, Elevated railway | S. Marden | 214,937 | Apr. 29, 1879 | 1421 | 395 | 15 | 686 |
| Car-brake | J. Bachmann | 216,495 | June 17, 1879 | 562 | 161 | 15 | 973 |
| Car-brake | L. Becker | 213,378 | Mar. 18, 1879 | 711 | 200 | 15 | 405 |
| Car-brake | R. D. Chatterton | 213,171 | Mar. 11, 1879 | 486 | 135 | 15 | 367 |
| Car-brake | J. Hickey and T. McNeill | 211,328 | Jan. 14, 1879 | 304 | 90 | 15 | 40 |
| Car-brake | F. A. Mathews | 215,014 | May 6, 1879 | 37 | 11 | 15 | 707 |
| Car-brake | J. Meissner | 214,418 | Apr. 15, 1879 | 825 | 231 | 15 | 594 |
| Car-brake | M. Rössler | 219,877 | Sept. 23, 1879 | 944 | 260, 261 | 16 | 561 |
| Car-brake | C. F. Sinn and W. Studer | 222,317 | Dec. 2, 1879 | 222 | 59 | 16 | 1039 |
| Car-brake | G. Smith | 221,195 | Nov. 4, 1879 | 62 | 16, 17 | 16 | 820 |
| Car-brake | B. F. Stewart | 213,305 | Mar. 18, 1879 | 639 | 180 | 15 | 395 |
| Car-brake | S. P. Tallman | 222,163 | Dec. 2, 1879 | 52 | 13 | 16 | 1016 |
| Car-brake | J. L. Tayler | 215,409 | May 13, 1879 | 495 | 147 | 15 | 769 |
| Car-brake | N. Webb | 215,187 | May 6, 1879 | 228 | 67 | 15 | 731 |
| Car-brake | A. Weymouth | 213,153 | Mar. 11, 1879 | 464 | 128 | 15 | 364 |
| Car brake and coupler, Combined | S. Fairman | 217,356 | July 8, 1879 | 483 | 141 | 16 | 74 |
| Car brake and starter | R. Crocker and W. H. Lytle | 214,026 | Apr. 8, 1879 | 337 | 97 | 15 | 525 |
| Car brake and starter | J. P. Dickson | 214,116 | Apr. 8, 1879 | 459 | 130 | 15 | 538 |
| Car brake and starter | T. L. Webster | 222,218 | Dec. 2, 1879 | 116 | 29 | 16 | 1024 |
| Car brake and starter | A. White | 217,252 | July 8, 1879 | 371 | 110 | 16 | 59 |
| Car-brake attachment | J. C. Wands | 219,042 | Aug. 26, 1879 | 1097 | 308 | 16 | 398 |
| Car-brake, Automatic | D. A. Hopkins | 217,618 | July 15, 1879 | 778 | 222 | 16 | 123 |
| Car-brake, Automatic | J. B. O'Donnell and W. J. Dever | 221,345 | Nov. 4, 1879 | 234 | 63 | 16 | 845 |
| Car-brake, Automatic | B. F. Stewart | 217,649 | July 15, 1879 | 813 | 232 | 16 | 128 |
| Car-brake, Automatic | S. P. Tallman | 218,838 | Aug. 26, 1879 | 873 | 246 | 16 | 368 |
| Car-brake, Automatic | C. M. Wilkins | 220,010 | Sept. 23, 1879 | 1092 | 302 | 16 | 581 |
| Car brake-lever, Street | O. F. Cowles | 217,992 | July 29, 1879 | 1215 | 348 | 16 | 197 |
| Car brake, Railway | G. Marshall | 213,915 | Apr. 1, 1879 | 197 | 57, 58 | 15 | 498 |
| Car brake, Railway | P. L. V. Véron and E. Edeline | 213,714 | Mar. 25, 1879 | 1071 | 304 | 15 | 460 |
| Car-brake shoe | W. Conner and A. O. Denio | 216,152 | June 3, 1879 | 150 | 44 | 15 | 904 |
| Car-brake shoe | J. F. Curtice | 217,996 | July 29, 1879 | 1224 | 350 | 16 | 198 |
| Car-buffer | E. H. Janney | 214,043 | Apr. 8, 1879 | 361 | 103 | 15 | 527 |
| Car-buffer | E. H. Janney | 215,363 | May 13, 1879 | 447 | 134 | 15 | 763 |
| Car-chair | R. H. Morgan | 214,051 | Apr. 8, 1879 | 374 | 106 | 15 | 528 |
| Car, Coal | L. Hetfield | 217,286 | July 8, 1879 | 406 | 120 | 16 | 64 |
| Car-coupling | C. Ahrenbeck | 217,763 | July 22, 1879 | 953 | 274 | 16 | 156 |
| Car-coupling | J. G. Baader | 215,552 | May 20, 1879 | 676 | 197 | 15 | 803 |
| Car-coupling | N. Baker and A. Sowle | 211,453 | Jan. 21, 1879 | 449 | 127 | 15 | 61 |
| Car-coupling | L. P. Bayliff and W. Harrod | 219,435 | Sept. 9, 1879 | 444 | 124 | 16 | 476 |
| Car-coupling | G. W. Bolton | 221,440 | Nov. 11, 1879 | 352 | 97 | 16 | 870 |
| Car-coupling | P. M. Bracelin | 217,726 | July 22, 1879 | 920 | 263 | 16 | 151 |
| Car-coupling | G. Bradley and A. H. Sherratt | 220,797 | Oct. 21, 1879 | 692 | 183 | 16 | 742 |
| Car-coupling | C. F. Brem | 211,551 | Jan. 21, 1879 | 554 | 157 | 15 | 74 |
| Car-coupling | N. F. Brent | 219,206 | Sept. 2, 1879 | 160 | 48 | 16 | 433 |
| Car-coupling | G. Butler | 213,974 | Apr. 8, 1879 | 277 | 80 | 15 | 517 |
| Car-coupling | A. W. Cain | 219,216 | Sept. 2, 1879 | 181 | 54 | 16 | 435 |

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|---|---|---|---|---|---|---|---|
| Car-coupling | C. W. Carnahan | 211,133 | Jan. 7, 1879 | 60 | 19 | 15 | 8 |
| Car-coupling | C. Chisholm | 218,930 | Aug. 26, 1879 | 979 | 275 | 16 | 383 |
| Car-coupling | J. J. Christie | 214,364 | Apr. 15, 1879 | 766 | 214 | 15 | 586 |
| Car-coupling | J. T. Cook and J. S. Leas | 220,899 | Oct. 21, 1879 | 796 | 213 | 16 | 757 |
| Car-coupling | G. Coombs and C. S. Blakeslee | 218,934 | Aug. 26, 1879 | 984 | 276 | 16 | 383 |
| Car-coupling | J. F. Crockett | 218,358 | Aug. 5, 1879 | 278 | 76 | 16 | 257 |
| Car-coupling | G. W. Cushing | 215,332 | May 13, 1879 | 423 | 126 | 15 | 759 |
| Car-coupling | F. C. Doolittle | 220,814 | Oct. 21, 1879 | 709 | 188 | 16 | 745 |
| Car-coupling | S. C. Doyle | 221,797 | Nov. 18, 1879 | 776 | 216 | 16 | 935 |
| Car-coupling | J. M. Dyer | 217,846 | July 22, 1879 | 1046 | 299 | 16 | 168 |
| Car-coupling | T. H. Ellis | 221,674 | Nov. 18, 1879 | 621 | 174 | 16 | 916 |
| Car-coupling | P. C. Ewart | 214,763 | Apr. 29, 1879 | 1231 | 345 | 15 | 661 |
| Car-coupling | C. Flynn | 220,069 | Sept. 30, 1879 | 1177 | 324 | 16 | 601 |
| Car-coupling | L. M. Fox | 220,206 | Sept. 30, 1879 | 1333 | 368 | 16 | 623 |
| Car-coupling | S. Garratt | 220,713 | Oct. 21, 1879 | 590 | 157 | 16 | 730 |
| Car-coupling | G. R. Hamilton | 212,462 | Feb. 18, 1879 | 755 | 208 | 15 | 229 |
| Car-coupling | G. C. Harlin and F. N. Byram | 220,830 | Oct. 21, 1879 | 724 | 192 | 16 | 747 |
| Car-coupling | W. L. Harvey | 214,657 | Apr. 22, 1879 | 1103 | 309 | 15 | 637 |
| Car-coupling | S. A. Haydock | 212,464 | Feb. 18, 1879 | 757 | 209 | 15 | 229 |
| Car-coupling | M. Herrens | 220,146 | Sept. 30, 1879 | 1261 | 347 | 16 | 613 |
| Car-coupling | E. R. Hollenbeck | 218,531 | Aug. 12, 1879 | 494 | 138 | 16 | 298 |
| Car-coupling | J. H. Horton | 220,716 | Oct. 21, 1879 | 592 | 158 | 16 | 730 |
| Car-coupling | J. A. Hovey, O. I. Luce, and J. C. Sharp. | 222,785 | Dec. 23, 1879 | 788 | 227 | 16 | 1148 |
| Car-coupling | E. H. Janney | 212,703 | Feb. 25, 1879 | 1031 | 286 / 287 | 15 | 274 |
| Car-coupling | P. Y. Kepler | 220,719 | Oct. 21, 1879 | 598 | 159 | 16 | 731 |
| Car-coupling | H. F. W. Koehler | 211,410 | Jan. 14, 1879 | 392 | 112 | 15 | 51 |
| Car-coupling | S. H. Lasswell | 216,420 | June 10, 1879 | 473 | 136 | 15 | 952 |
| Car-coupling | P. Livengood | 218,288 | Aug. 5, 1879 | 202 | 55 | 16 | 248 |
| Car-coupling | M. Logan | 217,124 | July 1, 1879 | 222 | 64 | 16 | 31 |
| Car-coupling | W. H. Maple | 211,415 | Jan. 14, 1879 | 399 | 114 | 15 | 51 |
| Car-coupling | W. H. Maple | 215,644 | May 20, 1879 | 781 | 229 | 15 | 816 |
| Car-coupling | J. D. Martin | 214,938 | Apr. 29, 1879 | 1422 | 395 | 15 | 686 |
| Car-coupling | J. A. Mason | 212,563 | Feb. 25, 1879 | 890 | 246 | 15 | 255 |
| Car-coupling | L. L. Maxhimer and H. Trubey | 213,122 | Mar. 11, 1879 | 425 | 117 | 15 | 359 |
| Car-coupling | J. B. and H. H. McCartney | 222,926 | Dec. 23, 1879 | 950 | 273 | 16 | 1171 |
| Car-coupling | M. G. McCarty | 220,486 | Oct. 14, 1879 | 317 | 84 | 16 | 686 |
| Car-coupling | J. C. McCollum | 213,655 | Mar. 11, 1879 | 341 | 96 | 15 | 349 |
| Car-coupling | I. R. McCormick | 215,645 | May 20, 1879 | 783 | 229 | 15 | 817 |
| Car-coupling | G. M. A. Michael and P. K. Beam. | 218,681 | Aug. 19, 1879 | 673 | 191 | 16 | 331 |
| Car-coupling | G. A. Neal | 211,341 | Jan. 14, 1879 | 320 | 94 | 15 | 42 |
| Car-coupling | J. T. O'Harra | 211,177 | Jan. 7, 1879 | 105 | 33 | 15 | 15 |
| Car-coupling | W. J. Orr | 213,928 | Apr. 1, 1879 | 210 | 61 | 15 | 500 |
| Car-coupling | B. C. Paine | 216,968 | July 1, 1879 | 47 | 15 | 16 | 9 |
| Car-coupling | T. A. Palm | 219,301 | Sept. 2, 1879 | 281 | 79 | 16 | 447 |
| Car-coupling | R. B. Potter | 212,743 | Feb. 25, 1879 | 1074 | 298 | 15 | 280 |
| Car-coupling | H. L. Preston | 216,889 | June 24, 1879 | 1009 | 287 | 15 | 1041 |
| Car-coupling | G. W. Putnam | 217,145 | July 1, 1879 | 244 | 71 | 16 | 34 |
| Car-coupling | J. F. Rakes | 219,017 | Aug. 26, 1879 | 1070 | 301 | 16 | 394 |
| Car-coupling | O. Retan | 216,891 | June 24, 1879 | 1012 | 288 | 15 | 1041 |
| Car-coupling | H. T. Rook | 220,663 | Oct. 14, 1879 | 520 | 138 | 16 | 713 |
| Car-coupling | G. Ruland | 220,035 | Sept. 30, 1879 | 1127 | 311 | 16 | 594 |
| Car-coupling | J. B. Safford | 211,428 | Jan. 14, 1879 | 417 | 118 | 15 | 53 |
| Car-coupling | J. B. Safford | 217,158 | July 1, 1879 | 258 | 76 | 16 | 36 |
| Car-coupling | C. B. Santee | 221,192 | Nov. 4, 1879 | 58 | 16 | 16 | 820 |
| Car-coupling | W. W. Scott | 217,821 | July 22, 1879 | 1018 | 292 | 16 | 164 |
| Car-coupling | F. C. Seymour | 218,069 | July 29, 1879 | 1300 | 372 | 16 | 208 |
| Car-coupling | G. F. Shafer and A. C. Ewart | 213,946 | Apr. 1, 1879 | 225 | 66 | 15 | 502 |
| Car-coupling | L. Spain | 220,678 | Oct. 14, 1879 | 537 | 142 | 16 | 715 |
| Car-coupling | L. A. Spear | 213,464 | Mar. 18, 1879 | 792 | 223 | 15 | 416 |
| Car-coupling | J. G. Stigers, I. F. Bloom, and T. J. Boyer. | 216,356 | June 10, 1879 | 401 | 114 | 15 | 942 |
| Car-coupling | J. C. and J. A. Tise | 218,339 | Aug. 5, 1879 | 257 | 69 | 16 | 254 |
| Car-coupling | C. Troupe | 223,079 | Dec. 30, 1879 | 1133 | 321 | 16 | 1206 |
| Car-coupling | H. Turner | 219,041 | Aug. 26, 1879 | 1096 | 308 | 16 | 398 |
| Car-coupling | J. M. Van Why | 222,551 | Dec. 9, 1879 | 501 | 141 | 16 | 1086 |
| Car-coupling | S. S. Watrous and W. Gerber | 217,757 | July 22, 1879 | 947 | 272 | 16 | 155 |
| Car-coupling | J. Whiteford | 221,883 | Nov. 18, 1879 | 864 | 241 | 16 | 948 |
| Car-coupling | C. D. Whiting | 218,204 | Aug. 5, 1879 | 115 | 31 | 16 | 236 |
| Car-coupling | E. M. Williams | 218,466 | Aug. 12, 1879 | 425 | 117 | 16 | 288 |
| Car-coupling | E. Wilson | 214,223 | Apr. 8, 1879 | 572 | 161 | 15 | 552 |
| Car-coupling | G. H. Wilson | 215,497 | May 20, 1879 | 616 | 180 | 15 | 794 |
| Car-coupling | J. Witsil | 214,739 | Apr. 22, 1879 | 1189 | 335 | 15 | 649 |
| Car-coupling | J. Worrall | 212,529 | Feb. 18, 1879 | 838 | 233 | 15 | 240 |
| Car-coupling | J. F. Wright | 217,501 | July 15, 1879 | 650 | 185 | 16 | 106 |
| Car-coupling | N. F. Wynkoop | 213,023 | Mar. 4, 1879 | 295 | 83 | 15 | 334 |
| Car-coupling buffer-head | J. T. Wilson | 219,334 | Sept. 2, 1879 | 318 | 90 | 16 | 452 |
| Car-coupling tool | C. H. McCarthy and T. J. Osborn. | 214,573 | Apr. 22, 1879 | 1014 | 285 | 15 | 626 |
| Car-door | J. R. Petrie and T. Hall | 211,776 | Jan. 28, 1879 | 832 | 233 | 15 | 114 |
| Car door, Freight | G. O'Brien | 215,019 | May 6, 1879 | 41 | 12 | 15 | 707 |
| Car door, Freight | F. W. Chaffee | 217,859 | July 29, 1879 | 1073 | 308 | 16 | 178 |
| Car door, Freight | C. R. Schellert | 215,071 | May 6, 1879 | 97 | 29 | 15 | 715 |
| Car door, Grain | M. F. Bagley | 221,270 | Nov. 4, 1879 | 144 | 39 | 16 | 833 |
| Car door, Grain | J. P. Conrath and P. Knipper | 212,901 | Mar. 4, 1879 | 159 | 42 | 15 | 315 |
| Car door, Grain | J. Miller and F. C. L. G. Susemihl. | 221,591 | Nov. 11, 1879 | 528 | 145 | 16 | 894 |
| Car door, Grain | D. F. Spees | 212,632 | Feb. 25, 1879 | 966 | 267 | 15 | 265 |
| Car door, Grain | W. I. Stratiff | 222,097 | Nov. 25, 1879 | 1139 | 318 | 16 | 993 |
| Car door, Grain | F. C. L. G. Susemihl | 213,004 | Mar. 4, 1879 | 274 | 76 | 15 | 332 |
| Car door, Inside grain | D. F. Spees | 215,252 | May 13, 1879 | 324 | 96 | 15 | 746 |
| Car-door locking device, Freight | F. Cooper | 211,972 | Feb. 4, 1879 | 171 | 49 | 15 | 148 |
| Car-doors, Weather-strip for | J. L. Towne | 216,473 | June 10, 1879 | 530 | 152 | 15 | 960 |
| Car draft apparatus | S. Griffith and J. S. Patterson | 217,869 | July 29, 1879 | 1084 | 312 | 16 | 180 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. | | Official Gazette. | |
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| | | | | Spec. | Dr'g. | Vol. | Page. |
| Car draw-bar, Railway | J. H. Coxey | 213, 810 | Apr. 1, 1879 | 89 | 27 | 15 | 484 |
| Car draw-bar, Railway | G. F. Godley | 223, 130 | Dec. 30, 1879 | 1189 | 337 | 16 | 1214 |
| Car draw-bar, Street | S. A. Otis and E. Parker | 218, 189 | Aug. 5, 1879 | 95 | 26 | 16 | 233 |
| Car, Dumping | S. Johnson | 215, 129 | May 6, 1879 | 178 | 50 | 15 | 723 |
| Car, Dumping | S. D. King | 221, 577 | Nov. 11, 1879 | 516 | 141 | 16 | 893 |
| Car-engine frame, Street | J. B. Waring | 218, 092 | July 29, 1879 | 1324 | 380 | 16 | 211 |
| Car for street-railways, Baggage | J. Ascher | 222, 853 | Dec. 23, 1879 | 869 | 250 | 16 | 1159 |
| Car, Freight | T. R. Huttou | 221, 315 | Nov. 4, 1879 | 197 | 54 | 16 | 839 |
| Car, Hand | N. Davenport | 215, 334 | May 13, 1879 | 425 | 126 | 15 | 760 |
| Car-heater | G. A. Badger | 219, 898 | Sept. 23, 1879 | 965 | 267 | 16 | 564 |
| Car-heater | W. D. De Rush | 215, 335 | May 13, 1879 | 426 | 127 | 15 | 760 |
| Car-heater | H. M. McIntire | 214, 575 | Apr. 22, 1879 | 1016 | 286 | 15 | 626 |
| Car heater, Railway | H. A. House and F. B. Bradbury | 221, 733 | Nov. 18, 1879 | 689 | 193 | 16 | 925 |
| Car heater, Street | E. M. Bement | 211, 214 | Jan. 7, 1879 | 147 | 44 | 15 | 20 |
| Car heater, Street | G. C. Bovey | 211, 963 | Feb. 4, 1879 | 160 | 46 | 15 | 147 |
| Car heaters, Coupling for pipes of railway | J. W. Graydon | 212, 376 | Feb. 18, 1879 | 644 | 180 | 15 | 214 |
| Car-heating apparatus | J. A. Straight | 214, 532 | Apr. 22, 1879 | 972 | 273 | 15 | 621 |
| Car heating apparatus, Railway | J. B. Colliu | 222, 246 | Dec. 2, 1879 | 151 | 39 | 16 | 1029 |
| Car heating apparatus, Railway | J. W. Graydon | 212, 375 | Feb. 18, 1879 | 643 | 180 | 15 | 214 |
| Car heating-pipes, Coupling for railway | J. W. Graydon | 212, 374 | Feb. 18, 1879 | 642 | 180 | 15 | 214 |
| Car, Iron railway | T. E. Allison | 218, 361 | Aug. 12, 1879 | 297 | 81 | 16 | 271 |
| Car-jack | J. J. Hamilton | 222, 492 | Dec. 9, 1879 | 433 | 124 | 16 | 1078 |
| Car lighting and ventilating apparatus | W. H. Smith | 221, 475 | Nov. 11, 1879 | 394 | 108 | 16 | 875 |
| Car lock, Freight | B. Crawford | 211, 838 | Feb. 4, 1879 | 11 | 4 | 15 | 128 |
| Car-moving device | W. B. Newlon | 216, 441 | June 10, 1879 | 499 | 142 | 15 | 955 |
| Car, Oil | M. C. Brown | 216, 506 | June 17, 1879 | 573 | 164 | 15 | 974 |
| Car, Postal | C. R. Harrison | 214, 036 | Apr. 8, 1879 | 353 | 101 | 15 | 526 |
| Car, Postal | C. R. Harrison | 219, 155 | Sept. 2, 1879 | 108 | 32 | 16 | 426 |
| Car-propeller | N. A. Gaston | 221, 227 | Nov. 4, 1879 | 96 | 25 | 16 | 825 |
| Car-propeller | D. Spill | 214, 466 | Apr. 15, 1879 | 869 | 245 | 15 | 601 |
| Car propeller and brake | D. Hurley | 219, 728 | Sept. 16, 1879 | 769 | 212 | 16 | 528 |
| Car propelling apparatus, Street | W. E. Prall | 217, 956 | July 29, 1879 | 1179 | 338 | 16 | 192 |
| Car-pusher | J. W. Fessenden | 211, 324 | Jan. 14, 1879 | 301 | 89 | 15 | 40 |
| Car-pusher | E. P. Phelps | 214, 187 | Apr. 8, 1879 | 531 | 151 | 15 | 547 |
| Car, Railway | R. Busteed | 219, 847 | Sept. 23, 1879 | 913 | 252 | 16 | 557 |
| Car, Railway | M. Nathanson | 222, 835 | Dec. 23, 1879 | 845 | 242 | 16 | 1156 |
| Car, Railway | G. E. Sly | 221, 871 | Nov. 18, 1879 | 854 | 239 | 16 | 947 |
| Car, Railway | L. Prince | 211, 181 | Jan. 7, 1879 | 108 | 34 | 15 | 15 |
| Car, Railway | J. M. Weymouth | 211, 201 | Jan. 7, 1879 | 134 | 42 | 15 | 19 |
| Car, Railway hand | G. S. Sheffield | 213, 254 | Mar. 11, 1879 | 568 | 158 | 15 | 378 |
| Car-replacer | M. Herrens | 221, 460 | Nov. 11, 1879 | 372 | 102 | 16 | 872 |
| Car-replacer | D. Russell | 214, 526 | Apr. 22, 1879 | 967 | 272 | 15 | 620 |
| Car-replacer | A. Rutherford | 216, 350 | June 10, 1879 | 396 | 113 | 15 | 941 |
| Car-replacer | M. S. Shotwell | 212, 990 | Mar. 4, 1879 | 257 | 71 | 15 | 330 |
| Car-roof | J. C. Wands | 219, 788 | Sept. 16, 1879 | 855 | 230 | 16 | 537 |
| Car roof, Railway | H. Aldridge | 221, 142 | Nov. 4, 1879 | 1 | 1 | 16 | 813 |
| Car safe, Sleeping | C. E. Lucas | 219, 960 | Sept. 23, 1879 | 1035 | 288 | 16 | 574 |
| Car-seat | E. Chesterman | 221, 907 | Nov. 25, 1879 | 911 | 255 / 256 | 16 | 964 |
| Car-seat | C. C. Mason | 215, 141 | May 6, 1879 | 189 | 54 | 15 | 725 |
| Car-seat attachment | F. W. Coolbaugh | 223, 031 | Dec. 30, 1879 | 1072 | 306 | 16 | 1199 |
| Car-seat back | B. L. Wood | 219, 556 | Sept. 9, 1879 | 563 | 157 | 16 | 492 |
| Car-seat head-rest | J. O. Adsit | 212, 167 | Feb. 11, 1879 | 398 | 108 | 15 | 179 |
| Car-seat head-rest | W. B. Taylor | 217, 169 | July 1, 1879 | 268 | 79 | 16 | 37 |
| Car-seats, Reversible spittoon attachment for | H. A. Smith and C. S. Hallstead | 214, 058 | Apr. 8, 1879 | 381 | 107 | 15 | 529 |
| Car, Sleeping | C. C. Converse | 213, 279 | Mar. 18, 1879 | 610 | 172 | 15 | 391 |
| Car-spring | A. B. Davis | 221, 036 | Oct. 28, 1879 | 984 | 261 | 16 | 790 |
| Car-spring | C. French | 216, 172 | June 3, 1879 | 173 | 51 | 15 | 907 |
| Car-spring | J. A. Lowe | 212, 021 | Feb. 4, 1879 | 222 | 62 | 15 | 154 |
| Car-spring | R. Vose | 214, 328 | Apr. 15, 1879 | 723 | 203 | 15 | 582 |
| Car-spring | R. Vose | 214, 329 | Apr. 15, 1879 | 724 | 203 | 15 | 582 |
| Car-starter | A. Christin | 213, 872 | Apr. 1, 1879 | 154 | 46 | 15 | 492 |
| Car-starter | T. R. Gibson and M. F. Seeley | 219, 247 | Sept. 2, 1879 | 223 | 64 | 16 | 440 |
| Car-starter | S. Graham | 213, 895 | Apr. 1, 1879 | 178 | 52 | 15 | 495 |
| Car-starter | C. L. Heywood | 216, 407 | June 10, 1879 | 457 | 139 | 15 | 950 |
| Car-starter | J. Hill | 222, 906 | Dec. 23, 1879 | 926 | 267 | 16 | 1168 |
| Car-starter | A. Lemaire-Douchy | 222, 288 | Dec. 2, 1879 | 193 | 51 | 16 | 1035 |
| Car-starter | J. W. Moore and J. A. Svedberg | 216, 525 | June 17, 1879 | 597 | 169 | 15 | 977 |
| Car-starter | R. Proctor | 212, 820 | Mar. 4, 1879 | 44 | 14, 15 | 15 | 303 |
| Car-starter | T. S. Taylor | 221, 629 | Nov. 11, 1879 | 566 | 157 | 16 | 900 |
| Car-starter | H. Turner | 218, 647 | Aug. 19, 1879 | 637 | 179 | 16 | 325 |
| Car-starter | W. A. Warriner | 213, 959 | Apr. 1, 1879 | 243 | 71 | 15 | 504 |
| Car-starter | H. Welch | 214, 070 | Apr. 8, 1879 | 416 | 117 | 15 | 532 |
| Car-starter | J. P. Weyer | 214, 857 | Apr. 29, 1879 | 1345 | 374 | 15 | 676 |
| Car starter and brake | J. Hill | 214, 913 | Apr. 29, 1879 | 1400 | 389 | 15 | 683 |
| Car, Steam street | J. Aspey | 218, 467 | Aug. 12, 1879 | 426 | 118 | 16 | 288 |
| Car-step | C. L. Heywood | 216, 405 | June 10, 1879 | 455 | 130 | 15 | 949 |
| Car-step | M. E. Skerritt | 221, 111 | Oct. 28, 1879 | 1060 | 281 | 16 | 801 |
| Car, Stock | F. B. Hall | 215, 119 | May 6, 1879 | 163 | 46 | 15 | 722 |
| Car, Stock | J. Miller | 214, 432 | Apr. 15, 1879 | 836 | 235 | 15 | 596 |
| Car, Street | J. A. Ayres | 214, 347 | Apr. 15, 1879 | 748 | 209 | 15 | 584 |
| Car, Street | W. P. Hansell | 213, 899 | Apr. 1, 1879 | 183 | 53 | 15 | 496 |
| Car, Street | R. Hardie and J. James | 215, 198 | May 6, 1879 | 246 | 72 | 15 | 733 |
| Car, Street | I. Towell | 219, 039 | Aug. 26, 1879 | 1094 | 307 | 16 | 397 |
| Car-ventilation | J. Knipscheer | 212, 475 | Feb. 18, 1879 | 770 | 213 | 15 | 231 |
| Car-ventilator | B. F. Card | 213, 322 | Mar. 18, 1879 | 656 | 185 | 15 | 398 |
| Car-ventilator | C. E. Lucas | 220, 628 | Oct. 14, 1879 | 485 | 127 | 16 | 708 |
| Car-wheel | W. S. G. Baker | 215, 202 | May 13, 1879 | 270 | 79 | 15 | 739 |
| Car-wheel | A. F. Cooper | 220, 221 | Oct. 7, 1879 | 12 | 3 | 16 | 636 |
| Car-wheel | G. F. Godley | 218, 254 | Aug. 5, 1879 | 167 | 45 | 16 | 243 |
| Car-wheel | J. Gowland | 218, 256 | Aug. 5, 1879 | 169 | 45 | 16 | 243 |
| Car-wheel | J. Montgomery | 217, 136 | July 1, 1879 | 233 | 67 | 16 | 32 |
| Car-wheel | C. C. Neimeister and W. Amerson | 219, 824 | Sept. 23, 1879 | 891 | 246 | 16 | 554 |
| Car-wheel | J. Rigby | 218, 453 | Aug. 12, 1879 | 398 | 109 | 16 | 284 |
| Car-wheel | G. W. Swett | 211, 803 | Jan. 28, 1879 | 863 | 241 | 15 | 118 |

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|---|---|---|---|---|---|---|---|
| Car-wheel | J. Taylor | 218,409 | Aug. 12, 1879 | 343 | 95 | 16 | 277 |
| Car-wheel | S. L. Wiegand | 213,270 | Mar. 11, 1879 | 584 | 163 | 15 | 380 |
| Car-wheel chill | W. Wilmington | 222,765 | Dec. 16, 1879 | 752 | 216, 217 | 16 | 1132 |
| Car-wheel, Chilled | N. Washburn | 212,825 | Mar. 4, 1879 | 50 | 16 | 15 | 304 |
| Car-wheel cope | J. Connelly | 217,860 | July 29, 1879 | 1074 | 308 | 16 | 178 |
| Car-wheel fender | A. T. Miller | 220,406 | Oct. 7, 1879 | 218 | 59 | 16 | 665 |
| Car-wheel fender, Railway | C. E. Brown | 217,676 | July 22, 1879 | 865 | 246 | 16 | 144 |
| Car-wheel mold | W. S. G. Baker and W. Hyson | 212,087 | Feb. 11, 1879 | 311 | 85 | 15 | 167 |
| Car-wheel mold | W. S. G. Baker | 214,747 | Apr. 29, 1879 | 1213 | 341 | 15 | 659 |
| Car-wheel mold | W. Wilmington | 217,840 | July 22, 1879 | 1039 | 297 | 16 | 167 |
| Car-wheels, Machine for grinding | J. H. Gowan | 217,365 | July 8, 1879 | 492 | 143 | 16 | 73 |
| Car-wheels, Manufacture of | J. W. and W. Noble | 211,105 | Jan. 7, 1879 | 27 | 9 | 15 | 4 |
| Car warmer, Street | I. S. Justh | 220,718 | Oct. 21, 1879 | 597 | 159 | 16 | 731 |
| Car-window | W. J. Hall | 220,756 | Oct. 21, 1879 | 639 | 170 | 16 | 736 |
| Car-window | W. C. Hicks | 221,678 | Nov. 18, 1879 | 626 | 176 | 16 | 916 |
| Car-window | W. W. Mackall, jr. | 222,518 | Dec. 9, 1879 | 458 | 131 | 16 | 1081 |
| Car-window dust-fender | A. C. Bragonier | 219,903 | Sept. 23, 1879 | 971 | 269 | 16 | 565 |
| Car-window dust-guard | J. H. Reynolds | 218,064 | July 29, 1879 | 1295 | 371 | 16 | 207 |
| Car-windows, Dust-guard for | J. H. Reynolds | 211,523 | Jan. 21, 1879 | 525 | 148 | 15 | 70 |
| Cars, Card-holding device for street | C. G. Ring | 214,316 | Apr. 15, 1879 | 712 | 199 | 15 | 580 |
| Cars, Continuous brake for railway | R. D. Sanders | 219,177 | Sept. 2, 1879 | 130 | 40 | 16 | 429 |
| Cars, Cooling and ventilating | W. P. Williamson | 221,988 | Nov. 25, 1879 | 1006 | 282 | 16 | 976 |
| Cars, Device for shunting | H. S. Willis | 214,738 | Apr. 22, 1879 | 1189 | 334 | 15 | 648 |
| Cars, Device for supplying fresh air to | J. B. Collin | 222,247 | Dec. 2, 1879 | 154 | 39 | 16 | 1029 |
| Cars, Heating | J. and J. W. Russell | 212,403 | Feb. 18, 1879 | 674 | 188 | 15 | 219 |
| Cars, Heating and ventilating | W. E. Prall | 218,685 | Aug. 19, 1879 | 677 | 192 | 16 | 332 |
| Cars, Manufacture of king-bolt plates for railway | J. T. Wilson | 219,333 | Sept. 2, 1879 | 318 | 90 | 16 | 452 |
| Cars, Mechanism for driving fan-blowers in railway | J. H. Wickes | 213,481 | Mar. 18, 1879 | 807 | 228 | 15 | 418 |
| Cars, Pipe-coupling for railway | J. E. Chapin | 221,154 | Nov. 4, 1879 | 18 | 5 | 16 | 815 |
| Cars, Propulsion of railway | P. Cooper | 218,935 | Aug. 26, 1879 | 984 | 276 | 16 | 383 |
| Cars, Reclining-seat for | C. Koehl | 214,301 | Apr. 15, 1879 | 684 | 192 | 15 | 577 |
| Cars, Safety-guard for street | W. N. Morrison | 213,295 | Mar. 18, 1879 | 629 | 177 | 15 | 394 |
| Cars, Steam-motor for propelling street | W. S. Salisbury | 219,770 | Sept. 16, 1879 | 810 | 224 | 16 | 533 |
| Cars, Supplying water to wash-stands on | D. H. Jones | 212,385 | Feb. 18, 1879 | 655 | 184 | 15 | 216 |
| Cars, Transferring and moving | M. D. Hays | 222,274 | Dec. 2, 1879 | 178 | 47 | 16 | 1033 |
| Cars upon the track, Device for replacing | C. L. Heywood | 216,404 | June 10, 1879 | 455 | 130 | 15 | 949 |
| Cars, Ventilating railway | C. E. Lucas | 213,994 | Apr. 8, 1879 | 298 | 86 | 15 | 520 |
| Carbine-holder | H. Hartman | 222,899 | Dec. 23, 1879 | 919 | 264 | 16 | 1167 |
| Carbon sheets, Cover for holding | J. S. McDonald | 221,839 | Nov. 18, 1879 | 819 | 228 | 16 | 941 |
| Carboy | F. Nichols | 217,896 | July 29, 1879 | 1114 | 319 | 16 | 184 |
| Carboy | D. E. Seybel | 221,706 | Nov. 18, 1879 | 659 | 185 | 16 | 921 |
| Carboy | F. W. Seymour and E. Thomas | 220,499 | Oct. 14, 1879 | 331 | 88 | 16 | 688 |
| Carboy-trunnion | S. M. Helton | 219,473 | Sept. 9, 1879 | 482 | 134 | 16 | 481 |
| Carbureter | J. H. Bean | 220,695 | Oct. 21, 1879 | 569 | 152 | 16 | 727 |
| Carbureter | M. P. Fleming | 219,705 | Sept. 16, 1879 | 747 | 207 | 16 | 525 |
| Carbureter | T. H. Hicks | 218,967 | Aug. 26, 1879 | 1014 | 285 | 16 | 387 |
| Carbureter | W. M. Jackson | 219,158 | Sept. 2, 1879 | 113 | 33 | 16 | 426 |
| Carbureter | P. Keller | 211,744 | Jan. 28, 1879 | 796 | 223 | 15 | 108 |
| Carbureter | H. S. Maxim | 212,857 | Mar. 4, 1879 | 87 | 25, 26 | 15 | 309 |
| Carbureter | W. Morehouse | 219,590 | Sept. 16, 1879 | 609 | 170 | 16 | 506 |
| Carbureter | F. W. Ofeldt | 211,176 | Jan. 7, 1879 | 104 | 33 | 15 | 15 |
| Carbureter | F. J. Roth | 213,351 | Mar. 18, 1879 | 689 | 193 | 15 | 402 |
| Carbureter | F. G. Schuchard | 215,072 | May 6, 1879 | 97 | 29 | 15 | 715 |
| Carbureter | J. Wayland | 221,948 | Nov. 25, 1879 | 963 | 269 | 16 | 970 |
| Carbureter and regulator | J. Ruthven | 214,711 | Apr. 22, 1879 | 1161 | 327 | 15 | 645 |
| Carbureter, Gas | C. A. Howard | 222,822 | Dec. 23, 1879 | 830 | 238 | 16 | 1154 |
| Carbureter, Gas | P. Keller | 216,191 | June 3, 1879 | 191 | 56 | 15 | 909 |
| Carbureter, Gas | H. C. Train | 220,001 | Sept. 23, 1879 | 1079 | 299 | 16 | 580 |
| Carbureters, Air-forcing apparatus for | E. A. C. Pew | 214,442 | Apr. 15, 1879 | 847 | 238, 239 | 15 | 597 |
| Carbureters, Feed-regulator for | W. H. Reed | 212,502 | Feb. 18, 1879 | 797 | 220 | 15 | 235 |
| Carbureting apparatus | J. Weart | 220,685 | Oct. 14, 1879 | 544 | 144 | 16 | 716 |
| Carbureting apparatus, Air | E. R. Moffatt | 216,879 | June 24, 1879 | 1000 | 284 | 15 | 1039 |
| Carbureting apparatus, Air | N. Tackeberry | 211,194 | Jan. 7, 1879 | 128 | 40 | 15 | 18 |
| Carbureting apparatus, Air and gas | E. A. C. Pew | 213,931 | Apr. 1, 1879 | 212 | 62 | 15 | 500 |
| Carbureting apparatus for railway-cars, Air | D. H. Jones | 221,680 | Nov. 18, 1879 | 628 | 176 | 16 | 917 |
| Carbureting machine, Air | E. Savill | 219,118 | Sept. 2, 1879 | 68 | 22 | 16 | 421 |
| Card and ticket case | P. F. Tarbutt | 211,604 | Jan. 21, 1879 | 618 | 174 | 15 | 82 |
| Card-clothing | H. E. Cunningham | 213,876 | Apr. 1, 1879 | 161 | 47 | 15 | 493 |
| Card-holding device | M. F. Potter | 216,058 | June 3, 1879 | 57 | 15 | 15 | 892 |
| Card or ticket holder | S. Stieglitz | 213,306 | Mar. 18, 1879 | 641 | 180 | 15 | 395 |
| Card-punching machine, Jacquard | G. Crompton and H. Wyman | 216,782 | June 24, 1879 | 893 | 254 | 15 | 1026 |
| Card-setting machine | J. Russell and A. Bemis | 211,186 | Jan. 7, 1879 | 114 | 36, 37 | 15 | 16 |
| Card, Visiting | P. Hake | 219,464 | Sept. 9, 1879 | 473 | 131 | 16 | 480 |
| Card, Visiting | F. Oechsli | 221,933 | Nov. 25, 1879 | 944 | 264, 265 | 16 | 968 |
| Card, Wrapping | R. A. Hope | 211,403 | Jan. 14, 1879 | 385 | 110 | 15 | 50 |
| Cards, labels, and analogous articles from celluloid, &c., Manufacture of. | J. W. Hyatt | 218,122 | Aug. 5, 1879 | 17 | ..... | 16 | 223 |
| Carding-engine | R. F. Barker | 215,501 | May 20, 1879 | 620 | 181 | 15 | 795 |
| Carding-engine feeding mechanism | J. Abbott | 218,208 | Aug. 5, 1879 | 118 | 32 | 16 | 236 |
| Carding-engine to another, Apparatus for conveying sliver from one. | W. C. Bramwell | 218,921 | Aug. 26, 1879 | 969 | 272 | 16 | 381 |
| Carding-engines, Driving mechanism for rubbing-rollers of condenser. | G. Mallison | 212,102 | Feb. 11, 1879 | 328 | 90 | 15 | 169 |
| Carding-engines, &c., Mechanism for feeding | W. C. Bramwell | 216,373 | June 10, 1879 | 420 | 120 | 15 | 945 |
| Carding-engines, Stripper-spring for | F. A. Bowen | 217,575 | July 15, 1879 | 731 | 209 | 16 | 117 |
| Carding-engines to prevent their disintegration, Treating rovings on. | B. F. Haigh and L. E. Greenwood. | 212,928 | Mar. 4, 1879 | 187 | 52 | 15 | 320 |
| Carding-machine | G. Estes | 217,598 | July 15, 1879 | 760 | 216 | 16 | 121 |
| Carding-machine | T. Kershaw | 220,905 | Oct. 21, 1879 | 803 | 215 | 16 | 758 |
| Carding-machine cleaning apparatus | P. Hauser | 215,920 | May 27, 1879 | 1090 | 316 | 15 | 864 |
| Carding-machines, Burr-conveyor for | W. C. Bramwell | 212,435 | Feb. 18, 1879 | 718 | 198 | 15 | 224 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Carding-machines, Mechanism for stripping the top-flats of. | G. H. Chandler | 222, 812 | Dec. 23, 1879 | 818 | 234, 235 | 16 | 1152 |
| Carding-machines, Trumpet-guide for | E. B. Tibbetts | 217, 170 | July 1, 1879 | 269 | 79 | 16 | 37 |
| Carding-machines, Wool-condenser for | W. Cheetham and T. Hall | 211, 086 | Jan. 7, 1879 | 9 | 3 | 15 | 2 |
| Carpenter's combination-tool | T. E. Gifford and C. H. Alden | 216, 267 | June 10, 1879 | 292 | 86 | 15 | 929 |
| Carpenter's gage | A. Heiram | 219, 942 | Sept. 23, 1879 | 1017 | 282 | 16 | 571 |
| Carpet-beater | J. L. Leach | 212, 476 | Feb. 18, 1879 | 771 | 213 | 15 | 231 |
| Carpet-beating machine | M. Alley | 221, 762 | Nov. 18, 1879 | 720 | 201 | 16 | 929 |
| Carpet-cleaner | T. Ferry | 218, 949 | Aug. 26, 1879 | 997 | 280 | 16 | 385 |
| Carpet-cleaner | T. A. Naylor | 223, 158 | Dec. 30, 1879 | 1221 | 345 | 16 | 1218 |
| Carpet-exhibitor | A. Peterson | 222, 730 | Dec. 16, 1879 | 718 | 206 | 16 | 1128 |
| Carpet fabric | W. Wallace | 215, 999 | May 27, 1879 | 1164 | 338 | 15 | 874 |
| Carpet-lining | A. F. Chase | 222, 813 | Dec. 23, 1879 | 820 | 235 | 16 | 1152 |
| Carpet-lining | W. S. Hunt | 223, 047 | Dec. 30, 1879 | 1093 | 311 | 16 | 1201 |
| Carpet-lining | H. B. Meech | 215, 648 | May 20, 1879 | 785 | 230 | 15 | 817 |
| Carpet-lining | H. A. Stearns | 219, 182 | Sept. 2, 1879 | 136 | 41 | 16 | 430 |
| Carpet-lining and stair-pad | M. Townsend | 222, 370 | Dec. 9, 1879 | 288 | 80 | 16 | 1058 |
| Carpet-linings and similar fabrics, Machine for making. | J. C. Gray | 222, 037 | Nov. 25, 1879 | 1055 | 295 | 16 | 983 |
| Carpet-linings, Machine for the manufacture of | H. B. Meech | 212, 723 | Feb. 25, 1879 | 1055 | 292, 293 | 15 | 278 |
| Carpet-pad | H. M. Small | 222, 605 | Dec. 16, 1879 | 579 | 165 | 16 | 1107 |
| Carpet-rag looper | D. Clements | 219, 801 | Sept. 23, 1879 | 869 | 240 | 16 | 550 |
| Carpet-stretcher | G. P. Cole | 221, 782 | Nov. 18, 1879 | 740 | 206 | 16 | 932 |
| Carpet-stretcher | J. S. Hendrickson | 218, 439 | Aug. 12, 1879 | 385 | 106 | 16 | 283 |
| Carpet-stretcher | W. W. Kirkpatrick | 219, 404 | Sept. 9, 1879 | 409 | 114 | 16 | 472 |
| Carpet-stretcher | J. D. Whitney | 214, 219 | Apr. 8, 1879 | 568 | 160 | 15 | 551 |
| Carpet-stretcher | L. A. Winn | 215, 424 | May 13, 1879 | 514 | 152 | 15 | 772 |
| Carpet-stretcher | O. V. Wood | 220, 324 | Oct. 7, 1879 | 129 | 35 | 16 | 652 |
| Carpet-sweeper | M. R. Bissell | 217, 322 | July 8, 1879 | 440 | 130 | 16 | 68 |
| Carpet-sweeper | M. R. Bissell | 217, 854 | July 29, 1879 | 1066 | 306 | 16 | 177 |
| Carpet-sweeper | E. B. Clarke | 219, 848 | Sept. 23, 1879 | 914 | 252, 253 | 16 | 557 |
| Carpet-sweeper | F. Cook | 219, 914 | Sept. 23, 1879 | 984 | 273 | 16 | 567 |
| Carpet-sweeper | G. W. Gates and B. F. Potter | 211, 467 | Jan. 21, 1879 | 462 | 131 | 15 | 62 |
| Carpet-sweeper | G. W. Gates and B. F. Potter | 220, 018 | Sept. 30, 1879 | 1106 | 306 | 16 | 591 |
| Carpet-sweeper | A. H. Knapp | 213, 336 | Mar. 18, 1879 | 673 | 189 | 15 | 400 |
| Carpet-sweeper | E. B. Moore | 212, 727 | Feb. 25, 1879 | 1059 | 294 | 15 | 278 |
| Carpet-sweeper | H. S. Wing | 221, 760 | Nov. 18, 1879 | 719 | 200 | 16 | 929 |
| Carriage | A. Bink | 214, 547 | Apr. 22, 1879 | 987 | 278 | 15 | 623 |
| Carriage | E. S. Feltch | 217, 931 | July 29, 1879 | 1153 | 330 | 16 | 189 |
| Carriage | C. H. Palmer, jr | 212, 397 | Feb. 18, 1879 | 668 | 187 | 15 | 218 |
| Carriage | F. Swift | 212, 282 | Feb. 11, 1879 | 526 | 147 | 15 | 196 |
| Carriage-body adjuster | J. Clements | 217, 342 | July 8, 1879 | 468 | 136 | 16 | 72 |
| Carriage-body corner-plate | P. Anderson | 221, 492 | Nov. 11, 1879 | 415 | 113 | 16 | 877 |
| Carriage-bolts, Manufacture of | G. M. Smith | 219, 627 | Aug. 26, 1879 | 1079 | 304 | 16 | 395 |
| Carriage-boot | T. S. Smith | 221, 747 | Nov. 18, 1879 | 702 | 197 | 16 | 927 |
| Carriage-boots, Clasp or fastening for | A. G. Snell | 213, 256 | Mar. 11, 1879 | 571 | 159 | 15 | 378 |
| Carriage-bow | F. H. Niemann | 212, 491 | Feb. 18, 1879 | 784 | 217 | 15 | 233 |
| Carriage-bow | F. D. Parry | 215, 476 | May 20, 1879 | 592 | 174 | 15 | 791 |
| Carriage-bow rest | J. E. Reeves | 213, 248 | Mar. 11, 1879 | 563 | 156 | 15 | 377 |
| Carriage brake, Baby | W. F. Wallberg | 222, 552 | Dec. 9, 1879 | 502 | 141 | 16 | 1086 |
| Carriage brake, Baby | L. C. West | 218, 909 | Aug. 26, 1879 | 959 | 269 | 16 | 380 |
| Carriage brake, Child's | A. McRonald | 221, 336 | Nov. 4, 1879 | 224 | 61 | 16 | 843 |
| Carriage brake, Child's | D. Troxell | 215, 305 | May 13, 1879 | 399 | 118 | 15 | 756 |
| Carriage brake, Child's | W. L. Weston and W. C. Maynard. | 216, 546 | June 17, 1879 | 614 | 175 | 15 | 979 |
| Carriage-brake lock | G. E. Clarke | 222, 456 | Dec. 9, 1879 | 386 | 110 | 16 | 1071 |
| Carriage, Child's | E. Eckart | 218, 004 | July 29, 1879 | 1231 | 353 | 16 | 199 |
| Carriage, Child's | J. W. T. Huke | 215, 927 | May 27, 1879 | 1096 | 318 | 15 | 865 |
| Carriage, Child's | F. H. Jury | 215, 283 | May 13, 1879 | 366 | 106, 107 | 15 | 752 |
| Carriage, Child's | F. Lavancey | 218, 679 | Aug. 19, 1879 | 671 | 190 | 16 | 331 |
| Carriage, Child's | J. A. Maloney | 218, 296 | Aug. 5, 1879 | 210 | 57 | 16 | 249 |
| Carriage-clips, Die for making | R. R. Miller | 214, 172 | Apr. 8, 1879 | 513 | 146 | 15 | 545 |
| Carriage-coupling | A. B. Webster | 217, 498 | July 15, 1879 | 647 | 184 | 16 | 106 |
| Carriage-curtain fastener | E. G. Grahn | 212, 924 | Mar. 4, 1879 | 182 | 50 | 15 | 319 |
| Carriage-curtain fastener | G. F. Wilson | 211, 287 | Jan. 7, 1879 | 230 | 68 | 15 | 30 |
| Carriage-curtain fastening | F. Baumgartner | 216, 499 | June 17, 1879 | 566 | 162 | 15 | 973 |
| Carriage-dash frame | E. H. Harvey and H. C. Martell | 220, 374 | Oct. 7, 1879 | 184 | 49 | 16 | 660 |
| Carriage-doors, Sash-frame for | W. Ruby | 215, 778 | Apr. 1, 1879 | 50 | 16 | 15 | 479 |
| Carriage-fender | L. H. Wooden | 223, 206 | Dec. 30, 1879 | 1271 | 359 | 16 | 1225 |
| Carriage, Folding child's | F. Bellows, jr | 220, 214 | Oct. 7, 1879 | 3 | 1 | 16 | 635 |
| Carriage running-gear | L. Dathis | 211, 135 | Jan. 7, 1879 | 64 | 20 | 15 | 8 |
| Carriage-seat lock | C. Robinson | 223, 008 | Dec. 30, 1879 | 1049 | 301 | 16 | 1196 |
| Carriage-shackles, Machine for forming | S. M. Rowell | 221, 102 | Oct. 28, 1879 | 1052 | 278 | 16 | 799 |
| Carriage-spring | D. S. Bailey | 218, 419 | Aug. 12, 1879 | 360 | 99 | 16 | 280 |
| Carriage-spring clips, Formation of | J. E. Bates | 217, 852 | July 29, 1879 | 1064 | 305, 306 | 16 | 177 |
| Carriage-springs, Machine for forming the eyes of | J. Evans | 220, 711 | Oct. 21, 1879 | 586 | 155, 156 | 16 | 730 |
| Carriage-springs, Manufacture of | H. M. Wentworth | 216, 989 | July 1, 1879 | 67 | 20 | 16 | 11 |
| Carriage-step | R. N. B. Kirkham | 213, 429 | Mar. 18, 1879 | 760 | 214 | 15 | 412 |
| Carriage-step | F. A. Sawyer, 2d | 220, 666 | Oct. 14, 1879 | 523 | 138, 139 | 16 | 713 |
| Carriage-step | F. A. Sawyer, 2d | 220, 667 | Oct. 14, 1879 | 525 | 139 | 16 | 713 |
| Carriage-top | D. G. Beers | 222, 650 | Dec. 16, 1879 | 637 | 182 | 16 | 1116 |
| Carriage-top | M. M. Cady | 220, 960 | Oct. 28, 1879 | 889 | 237 | 16 | 778 |
| Carriage-top | J. A. Chapman | 214, 884 | Apr. 29, 1879 | 1369 | 381 | 15 | 679 |
| Carriage-top | C. N. Dennett | 217, 929 | July 29, 1879 | 1151 | 329 | 16 | 189 |
| Carriage-top | J. N. Hazelip | 222, 043 | Nov. 25, 1879 | 1061 | 296 | 16 | 984 |
| Carriage-top | J. E. Lines | 213, 513 | Mar. 25, 1879 | 852 | 242 | 15 | 432 |
| Carriage-top | F. A. Presko | 213, 933 | Apr. 1, 1879 | 214 | 63 | 15 | 500 |
| Carriage-top | L. H. Richardson | 215, 297 | May 13, 1879 | 393 | 116 | 15 | 755 |
| Carriage-top | F. Smiley | 213, 355 | Mar. 18, 1879 | 692 | 194 | 15 | 402 |

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|---|---|---|---|---|---|---|---|
| Carriage-top, Adjustable | W. Davis | 217,590 | July 15, 1879 | 752 | 214 | 16 | 120 |
| Carriage-top, Adjustable | O. B. North and G. M. Hubbard | 211,861 | Feb. 4, 1879 | 46 | 14 | 15 | 132 |
| Carriage-top brace | C. F. Odell | 216,343 | June 10, 1879 | 390 | 111 | 15 | 941 |
| Carriage top, Child's | L. Schmetzer | 216,462 | June 10, 1879 | 521 | 148, 149 | 15 | 958 |
| Carriage top, Child's | W. H. Van Dyck | 219,784 | Sept. 16, 1879 | 831 | 229 | 16 | 536 |
| Carriage-top iron | T. F. Van Luven | 215,029 | May 6, 1879 | 52 | 15 | 15 | 709 |
| Carriage-top joint and rail | A. D. Goddard and G. S. Burrows | 217,527 | July 15, 1879 | 677 | 193 | 16 | 111 |
| Carriage-top prop | H. K. Porter | 220,493 | Oct. 14, 1879 | 324 | 86 | 16 | 687 |
| Carriage-top prop | H. K. Porter | 222,531 | Dec. 9, 1879 | 476 | 135 | 16 | 1082 |
| Carriage-top prop | H. A. Robertson | 217,746 | July 22, 1879 | 938 | 269 | 16 | 154 |
| Carriage-top prop | J. P. Simpson | 212,519 | Feb. 18, 1879 | 827 | 229 | 15 | 239 |
| Carriage-top standard | J. H. Sanderson | 217,411 | July 8, 1879 | 538 | 154 | 16 | 80 |
| Carriage-tops, Cushion-spring for | R. E. McCormick | 212,720 | Feb. 25, 1879 | 1052 | 292 | 15 | 277 |
| Carriage-tops, Extension-joint for | J. E. Reeves | 214,193 | Apr. 8, 1879 | 536 | 152 | 15 | 548 |
| Carriage-wheel wrench | N. R. Pratt | 215,479 | May 20, 1879 | 596 | 175 | 15 | 792 |
| Carriage-window fastener | C. West | 212,074 | Feb. 4, 1879 | 288 | 78 | 15 | 161 |
| Carriage-wrench | H. C. Miller | 218,046 | July 29, 1879 | 1277 | 365 | 16 | 204 |
| Carriage-wrench | E. A. Robbins | 214,455 | Apr. 15, 1879 | 860 | 242 | 15 | 599 |
| Carriages, Canopy-top for | D. Gleason | 212,458 | Feb. 18, 1879 | 752 | 207 | 15 | 229 |
| Carriages, Canopy-top for children's | J. M. Crosby | 214,281 | Apr. 15, 1879 | 661 | 184, 185 | 15 | 574 |
| Carriages, Parasol for children's | J. M. Doubleday | 213,552 | Mar. 25, 1879 | 899 | 257 | 15 | 437 |
| Carriages, Reversible handle for children's | F. Meinecke | 220,721 | Oct. 21, 1879 | 599 | 160 | 16 | 731 |
| Carriages, Safety trace-catch for | C. Reinhold | 215,678 | May 20, 1879 | 812 | 238 | 15 | 821 |
| Carrier: *See* Barrel-carrier. Cartridge-carrier. Dental-floss carrier. Egg-carriage. Hay-carrier. Meat-carrier. Thrashing-machine straw-carrier. Trace-carrier. | | | | | | | |
| Cart, Barrel | G. Adair and F. E. Palmer | 217,503 | July 15, 1879 | 652 | 186 | 16 | 107 |
| Cart, Dumping | G. B. Weistling | 222,557 | Dec. 9, 1879 | 507 | 143 | 16 | 1087 |
| Cart, Hand | M. Daley | 211,889 | Feb. 4, 1879 | 75 | 22 | 15 | 135 |
| Cart, Self-loading | F. W. Schulz | 211,429 | Jan. 14, 1879 | 418 | 119 | 15 | 53 |
| Cartridge | W. W. Hubbell | 212,313 | Feb. 18, 1879 | 569 | 159 | 15 | 205 |
| Cartridge | H. W. Mason | 219,491 | Sept. 9, 1879 | 498 | 139 | 16 | 484 |
| Cartridge | C. I. McGowan | 220,030 | Sept. 30, 1879 | 1119 | 309 | 16 | 593 |
| Cartridge | L. A. Merriam | 211,665 | Jan. 28, 1879 | 707 | 198 | 15 | 97 |
| Cartridge | L. A. Merriam | 214,680 | Apr. 22, 1879 | 1128 | 316 | 15 | 641 |
| Cartridge | L. A. Merriam | 219,107 | Sept. 2, 1879 | 53 | 17 | 16 | 419 |
| Cartridge | A. Tillmes | 222,332 | Dec. 2, 1879 | 242 | 66 | 16 | 1042 |
| Cartridge | J. E. Tyler | 213,958 | Apr. 1, 1879 | 242 | 70 | 15 | 504 |
| Cartridge belt and holder | E. Schaub | 220,550 | Oct. 14, 1879 | 394 | 102 | 16 | 686 |
| Cartridge-box | R. D. Hitchcock, jr | 220,377 | Oct. 7, 1879 | 188 | 50 | 16 | 660 |
| Cartridge capping and crimping tool | S. V. Kennedy | 221,575 | Nov. 11, 1879 | 514 | 140 | 16 | 892 |
| Cartridge capping and loading implement | D. E. Campbell | 217,335 | July 8, 1879 | 457 | 133 | 16 | 70 |
| Cartridge capping and uncapping implement | G. L. Bailey | 220,743 | Oct. 21, 1879 | 622 | 166 | 16 | 734 |
| Cartridge capping and uncapping implement | F. A. Canfield | 216,554 | June 17, 1879 | 622 | 176 | 15 | 980 |
| Cartridge capping and uncapping implement | A. D. Laws | 220,979 | Oct. 28, 1879 | 911 | 243 | 16 | 781 |
| Cartridge-capping implement | G. A. Barnes | 222,090 | Nov. 25, 1879 | 1017 | 285 | 16 | 978 |
| Cartridge-capping implement | C. M. Spencer | 222,162 | Dec. 2, 1879 | 51 | 13 | 16 | 1016 |
| Cartridge-carrier | J. N. Reece | 212,054 | Feb. 4, 1879 | 270 | 74 | 15 | 159 |
| Cartridge-case-forming machine | H. H. Barnard | 217,045 | July 1, 1879 | 130 | 38, 39 | 16 | 19 |
| Cartridge-closing machine | W. G. Rawbone | 215,295 | May 13, 1879 | 390 | 116 | 15 | 754 |
| Cartridge-holder | W. H. Bell | 223,100 | Dec. 30, 1879 | 1158 | 326 | 16 | 1209 |
| Cartridge-holder | O. R. Luther | 216,620 | June 17, 1879 | 689 | 200 | 15 | 991 |
| Cartridge-loading apparatus | J. H. Murry | 221,971 | Nov. 25, 1879 | 989 | 277 | 16 | 974 |
| Cartridge-loading implement | C. A. R. Dimon | 213,877 | Apr. 1, 1879 | 161 | 47 | 15 | 493 |
| Cartridge-loading implement | C. Green | 213,985 | Apr. 8, 1879 | 287 | 83 | 15 | 518 |
| Cartridge-primer | J. Gardner | 214,382 | Apr. 15, 1879 | 787 | 221 | 15 | 589 |
| Cartridge-primers. Anvil for | J. H. Gill | 220,472 | Oct. 14, 1879 | 301 | 80 | 16 | 684 |
| Cartridge, Pyrotechnic | E. S. Hunt | 217,534 | July 15, 1879 | 685 | 195 | 16 | 112 |
| Cartridge, Pyrotechnic | E. D. Kendall | 217,115 | July 1, 1879 | 213 | 61 | 16 | 30 |
| Cartridge, Pyrotechnic signal | A. H. Bogardus | 216,552 | June 17, 1879 | 620 | 176 | 15 | 980 |
| Cartridge-shells, Implement for uncapping | S. E. Keighley | 212,558 | Feb. 25, 1879 | 886 | 245 | 15 | 255 |
| Cartridge-shells, Machine for capping | A. L. Howard | 221,563 | Nov. 11, 1879 | 501 | 137 | 16 | 890 |
| Cartridge-shells with varnish, Machine for filling | A. C. Hobbs | 211,157 | Jan. 7, 1879 | 88 | 27 | 15 | 12 |
| Cartridge-shot | H. H. Barnard | 212,170 | Feb. 11, 1879 | 492 | 109 | 15 | 179 |
| Cartridge-turning implement | W. G. Rawbone | 220,771 | Oct. 21, 1879 | 661 | 175 | 16 | 739 |
| Case: *See* Advertising-case. Ammunition-case. Book-case. Bottle-case. Brick off-bearing case. Burial-case. Butter-case. Can-case. Card and ticket case. Coffin-case. Coffin show-case. Dressing-case. Egg-case. Envelope-case. File-case. Instrument-case. Moth-proof fur-case. Needle-case. Oil-can shipping-case. Organ and piano case. Pen and pencil case. Pencil-case. Piano and organ case. Pin and needle case. Pipe-case. Sample-case. Sewing-machine case. Shipping-case. Show-case. Spool-case. Telephone-case. Ticket-case. Toilet-case. Watch-case. | | | | | | | |
| Carving-machine | J. Polleck | 211,107 | Jan. 7, 1879 | 30 | 10, 11, 12 | 15 | 4 |
| Cash register and indicator | J. and J. Ritty | 221,360 | Nov. 4, 1879 | 247 | 67 | 16 | 847 |
| Casket, Hotel | O Sackett | 217,905 | July 29, 1879 | 1124 | 322 | 16 | 185 |
| Casks, Manufacture of | H. De Bus | 221,398 | Nov. 11, 1879 | 305 | ..... | 16 | 863 |

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|---|---|---|---|---|---|---|---|
| Casks. Apparatus for pitching beer | A. Grosmann | 222,696 | Dec. 16, 1879 | 686 | 197 | 16 | 1123 |
| Caster | G. S. Andrews | 222,226 | Dec. 2, 1879 | 126 | 31 | 16 | 1025 |
| Caster | I. Leonard | 219,104 | Sept. 2, 1879 | 51 | 17 | 16 | 419 |
| Caster | J. H. Schlott | 217,160 | July 1, 1879 | 260 | 77 | 16 | 36 |
| Caster | J. H. Schlott | 217,161 | July 1, 1879 | 261 | 77 | 16 | 36 |
| Caster | S. Vanstone | 215,996 | May 27, 1879 | 1161 | 338 | 15 | 874 |
| Caster, Combined pepper and salt | W. B. Dean | 215,441 | May 20, 1879 | 550 | 161 | 15 | 785 |
| Caster for tubs | C. F. Rapp | 214,313 | Apr. 15, 1879 | 709 | 198 | 15 | 580 |
| Caster, Furniture | G. L. Donovan | 217,349 | July 8, 1879 | 475 | 138 | 16 | 72 |
| Caster, Furniture | O. Pederson | 218,565 | Aug. 12, 1879 | 530 | 149 | 16 | 303 |
| Caster, Furniture | O. Pederson | 223,165 | Dec. 30, 1879 | 1228 | 347 | 16 | 1219 |
| Caster, Furniture | J. H. Schlott | 222,538 | Dec. 9, 1879 | 484 | 137 | 16 | 1083 |
| Caster or cruet-stand, Table | H. J. Davies | 214,632 | Apr. 22, 1879 | 1078 | 302 | 15 | 635 |
| Caster, Piano | W. V. Wallace | 211,360 | Jan. 14, 1879 | 341 | 99 | 15 | 44 |
| Caster, Sewing-machine | J. O. Sloan | 213,844 | Apr. 1, 1879 | 122 | 37 | 15 | 488 |
| Caster, Sewing-machine | J. O. Sloan | 220,673 | Oct. 14, 1879 | 532 | 141 | 16 | 714 |
| Caster, Table | N. Plympton and C. H. Latham | 211,780 | Jan. 28, 1879 | 837 | 234, 235 | 15 | 114 |
| Caster treadle-stand for sewing-machines | F. M. Weaver | 211,283 | Jan. 7, 1879 | 225 | 66 | 15 | 29 |
| Casters, Top-plate for | W. H. Tucker | 217,172 | July 1, 1879 | 270 | 79 | 16 | 37 |
| Casters, Wheel for furniture | J. Munger | 214,518 | Apr. 22, 1879 | 960 | 269 | 15 | 619 |
| Casting, Apparatus for withdrawing patterns from molds for. | S. J. Adams | 213,964 | Apr. 8, 1879 | 266 | 77 | 15 | 515 |
| Casting box, Stereotype | M. J. Hughes | 222,910 | Dec. 23, 1879 | 932 | 268 | 16 | 1169 |
| Casting car-wheels | G. G. Lobdell | 222,922 | Dec. 23, 1879 | 945 | 271 | 16 | 1171 |
| Casting door-plates, Sectional pattern for | L. A. Harker | 219,940 | Sept. 23, 1879 | 1016 | 282 | 16 | 571 |
| Casting hard metal on soft cast metal | W. Coventry | 215,210 | May 13, 1879 | 280 | 82 | 15 | 740 |
| Casting heads to curd-knives, Metal mold for | H. K. Faulkner | 211,140 | Jan. 7, 1879 | 68 | 21 | 15 | 9 |
| Casting hubs, Mold for | V. Price | 215,772 | May 27, 1879 | 921 | 270 | 15 | 844 |
| Casting metal tubes, Machine for | S. P. M. Tasker | 223,077 | Dec. 30, 1879 | 1129 | 320 | 16 | 1206 |
| Casting metals and the alloy, Preventing crystallization and blow-holes in. | T. Fleitmann | 217,523 | July 15, 1879 | 673 | ..... | 16 | 110 |
| Casting metals, Apparatus for | H. W. Barnum | 211,953 | Feb. 4, 1879 | 152 | 44 | 15 | 146 |
| Casting mold-boards | W. J. Adams | 213,027 | Mar. 11, 1879 | 312 | 87 | 15 | 345 |
| Casting ornamental figures, Composition for | A. Kiesele | 215,757 | May 27, 1879 | 903 | ..... | 15 | 841 |
| Casting puppets, Core for | J. W. Post | 221,741 | Nov. 18, 1879 | 696 | 195 | 16 | 926 |
| Casting steel ingots | W. A. Sweet | 216,117 | June 3, 1879 | 114 | ..... | 15 | 899 |
| Casting steel, Mold for | G. Cowing | 212,902 | Mar. 4, 1879 | 151 | ..... | 15 | 316 |
| Casting stereotype-plates | B. B. Huntoon | 213,427 | Mar. 18, 1879 | 759 | 214 | 15 | 411 |
| Casting stereotypes, Apparatus for | M. J. Hughes | 212,228 | Feb. 11, 1879 | 467 | 129 | 15 | 188 |
| Castings, Device for cooling | H. Wiard, W. R. Bullock, and L. W. Hall. | 219,130 | Sept. 2, 1879 | 81 | 25 | 16 | 423 |
| Castings, Malleable-iron | J. E. Atwood | 221,996 | Nov. 25, 1879 | 1015 | ..... | 16 | 977 |
| Castings, Uniting supplementary pieces to | E. L. Burdick | 211,698 | Jan. 28, 1879 | 741 | 207 | 15 | 102 |
| Castings without blow-holes, Making steel | F. Valton, J. Euverte, and A. Pourcel. | 214,210 | Apr. 8, 1879 | 556 | ..... | 15 | 550 |
| Casts of the human form, &c., Apparatus for taking. | J. E. Johnson | 221,569 | Nov. 11, 1879 | 508 | 138, 139 | 16 | 891 |
| Catafalque | E. H. Parker | 213,130 | Mar. 11, 1879 | 435 | 121 | 15 | 360 |
| Catarrh apparatus | G. W. Corey | 218,164 | Aug. 5, 1879 | 67 | 18 | 16 | 230 |
| Catarrh-remedy | H. E. Bissell | 220,794 | Oct. 21, 1879 | 688 | ..... | 16 | 742 |
| Catarrh-remedy | S. T. Dobyns | 212,667 | Feb. 25, 1879 | 997 | ..... | 15 | 270 |
| Catheter | A. Shiland | 217,711 | July 22, 1879 | 904 | 258 | 16 | 149 |
| Cattle-chute | J. T. and R. A. McCoy | 221,931 | Nov. 25, 1879 | 942 | 264 | 16 | 968 |
| Cattle-fastener | D. E. Wilson | 219,052 | Aug. 26, 1879 | 1107 | 311 | 16 | 399 |
| Cattle, Horn-tip for | G. W. Carroll | 218,484 | Aug. 12, 1879 | 441 | 123 | 16 | 290 |
| Cellular press | F. G. Wiselogel | 216,075 | June 3, 1879 | 75 | 22 | 15 | 894 |
| Celluloid, Drying | J. B. Edson | 219,235 | Sept. 2, 1879 | 204 | 60 | 16 | 438 |
| Celluloid lining for ice-pitchers, &c | M. C. Lefferts | 219,279 | Sept. 2, 1879 | 254 | 72 | 16 | 444 |
| Celluloid, &c., Manufacturing, polishing, and seasoning sheets of. | J. W. Hyatt | 221,070 | Oct. 28, 1879 | 1016 | ..... | 16 | 795 |
| Celluloid or pyroxyline, Manufacture of moldings, &c., from. | R. A. Johnson | 217,111 | July 1, 1879 | 208 | 59 | 16 | 29 |
| Celluloid tubes to taper or other forms, Reducing | W. B. Carpenter | 219,218 | Sept. 2, 1879 | 182 | 54 | 16 | 435 |
| Cement for uniting leather, wood, &c | W. R. Hicks | 213,567 | Mar. 25, 1879 | 917 | ..... | 15 | 439 |
| Cement Fountain-vessel for rubber | J. K. Krieg and L. R. Mears | 214,925 | Apr. 29, 1879 | 1411 | 392 | 15 | 685 |
| Cement, Manufacture of artificial hydraulic or Portland. | C. Brown | 222,604 | Nov. 25, 1879 | 1020 | ..... | 16 | 978 |
| Cement, Manufacture of hydraulic | J. A. Francis | 212,094 | Feb. 11, 1879 | 317 | ..... | 15 | 168 |
| Cement, Manufacture of Portland | C. H. Slicer | 213,459 | Mar. 18, 1879 | 788 | ..... | 15 | 416 |
| Centrifugal and screw ventilator | F. Pelzer | 223,005 | Dec. 30, 1879 | 1047 | 300 | 16 | 1195 |
| Centrifugal machine | S. Baxendale | 215,428 | May 20, 1879 | 532 | 157 | 15 | 783 |
| Centrifugal machine | G. F. Finckgraefe | 218,670 | Aug. 19, 1879 | 661 | 187, 188 | 16 | 329 |
| Centrifugal machine | J. Gaunt and W. F. Poiesz | 220,824 | Oct. 21, 1879 | 717 | 190 | | 746 |
| Centrifugal machine | S. S. Hepworth | 217,689 | July 22, 1879 | 882 | 251 | 16 | 146 |
| Centrifugal machine | S. S. Hepworth | 218,441 | Aug. 12, 1879 | 386 | 106 | 16 | 283 |
| Centrifugal machine | E. Langen | 214,670 | Apr. 22, 1879 | 1117 | 313 | 15 | 639 |
| Centrifugal machine | H. W. Walker and E. L. Patterson. | 214,267 | Apr. 15, 1879 | 643 | 181 | 15 | 571 |
| Cereals, Prepared | L. S. Chichester | 215,573 | May 20, 1879 | 700 | ..... | 15 | 805 |
| Chain and rope tightener | W. L. Gracey | 217,091 | July 1, 1879 | 189 | 54 | 16 | 26 |
| Chain, Clamping | G. P. Wood | 218,848 | Aug. 26, 1879 | 890 | 249 | 16 | 370 |
| Chain, Detachable link for drive | L. W. Stockwell | 219,126 | Sept. 2, 1879 | 77 | 24 | 16 | 423 |
| Chain, Drive | L. W. Stockwell | 219,125 | Sept. 2, 1879 | 76 | 24 | 16 | 423 |
| Chain, Driving | H. W. Hall | 215,056 | May 6, 1879 | 80 | 25 | 15 | 713 |
| Chain, Driving | G. Vickers | 215,997 | May 27, 1879 | 1162 | 338 | 15 | 874 |
| Chain, Driving | G. Wheeler, jr | 214,735 | Apr. 22, 1879 | 1186 | 334 | 15 | 648 |
| Chain, Halter | G. Kampf | 211,408 | Jan. 14, 1879 | 390 | 111 | 15 | 50 |
| Chain-hook | A. Sanford | 222,203 | Dec. 2, 1879 | 98 | 24 | 16 | 1022 |
| Chain-hook | J. E. Studley | 220,506 | Oct. 14, 1879 | 337 | 90 | 16 | 689 |
| Chain, Leather | C. F. Rumpp | 216,533 | June 17, 1879 | 605 | 171 | 15 | 978 |
| Chain-link | H. F. Barrows | 214,869 | Apr. 29, 1879 | 1354 | 377 | 15 | 677 |
| Chain-link | W. H. Dickey | 221,795 | Nov. 18, 1879 | 772 | 216 | 16 | 935 |
| Chain-link | C. W. Levalley | 215,469 | May 20, 1879 | 583 | 172 | 15 | 790 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Chain-link | E. W. Skinner | 216, 355 | June 10, 1879 | 400 | 114 | 15 | 942 |
| Chain-link | J. E. Studley | 219, 832 | Sept. 23, 1879 | 901 | 248 | 16 | 555 |
| Chain-link, Ornamental | J. L. Heely | 218, 963 | Aug. 26, 1879 | 1010 | 284 | 16 | 387 |
| Chain-links, Die for welding | J. F. Busey | 219, 215 | Sept. 2, 1879 | 179 | 53 | 16 | 435 |
| Chain, Log or bull | R. J. Millen | 213, 769 | Apr. 1, 1879 | 39 | 13 | 15 | 478 |
| Chain or scarf, Fastening for a guard | L. F. Brooks | 215, 043 | May 6, 1879 | 66 | 20 | 15 | 711 |
| Chain, Ornamental | W. W. Alden | 214, 075 | Apr. 8, 1879 | 420 | 118 | 15 | 533 |
| Chain, Ornamental | J. P. Carpenter | 218, 485 | Aug. 12, 1879 | 442 | 123 | 16 | 290 |
| Chain, Ornamental | C. F. Heckmann | 219, 091 | Sept. 2, 1879 | 40 | 13 | 16 | 417 |
| Chain, Ornamental | C. F. Heckmann | 219, 092 | Sept. 2, 1879 | 40 | 13 | 16 | 418 |
| Chain, Ornamental | A. Horst | 221, 233 | Nov. 4, 1879 | 103 | 27 | 16 | 826 |
| Chain, Ornamental | J. J. Horton | 214, 141 | Apr. 8, 1879 | 486 | 138 | 15 | 541 |
| Chain safety attachment | R. Y. Anderson | 218, 211 | Aug. 5, 1879 | 121 | 33 | 16 | 236 |
| Chain slide, Neck | A. Oppenheimer | 216, 101 | June 3, 1879 | 98 | 29 | 15 | 897 |
| Chain, Three-horse endless | L. S. Lawyer | 218, 988 | Aug. 26, 1879 | 1039 | 293 | 16 | 391 |
| Chains, &c., Elastic link for | J. D. Luallen and T. Pairan | 220, 926 | Oct. 28, 1879 | 843 | 226 | 16 | 772 |
| Chains, Link for drive | C. W. Levalley | 214, 409 | Apr. 15, 1879 | 815 | 229 | 15 | 593 |
| Chains, Making ornamental | E. F. Seery | 221, 745 | Nov. 18, 1879 | 700 | 196 | 16 | 927 |
| Chair: | | | | | | | |
| *See* Barber's chair. Knockdown chair. | | | | | | | |
| Car-chair. Night-chair. | | | | | | | |
| Child's chair. Nursery-chair. | | | | | | | |
| Child's table-chair. Opera-chair. | | | | | | | |
| Combination-chair. Oscillating chair. | | | | | | | |
| Convertible chair. Rail-chair. | | | | | | | |
| Dental chair. Railway-chair. | | | | | | | |
| Dentist's chair. Reclining-chair. | | | | | | | |
| Exercising-chair. Rocking-chair. | | | | | | | |
| Folding chair. Swing-chair. | | | | | | | |
| High chair. Tilting chair. | | | | | | | |
| Invalid-chair. Window-cleaning chair. | | | | | | | |
| Chair | I. H. Dewey | 214, 760 | Apr. 29, 1879 | 1229 | 344 | 15 | 661 |
| Chair | J. F. McClain | 223, 156 | Dec. 30, 1879 | 1219 | 345 | 16 | 1218 |
| Chair | D. P. Newell | 211, 175 | Jan. 7, 1879 | 103 | 32, 33 | 15 | 14 |
| Chair | G. M. Patten | 218, 829 | Aug. 26, 1879 | 858 | 241 | 16 | 366 |
| Chair-frames, Manufacture of | G. Hunzinger | 211, 159 | Jan. 7, 1879 | 90 | 28 | 15 | 12 |
| Chair-leg-tenoning machine | F. F. Parker | 215, 767 | May 27, 1879 | 912 | 267, 268 | 15 | 842 |
| Chair-legs, Machine for forming square | H. Buchter | 211, 084 | Jan. 7, 1879 | 7 | 3 | 15 | 1 |
| Chair seat and back | L. Heywood and G. A. Watkins | 215, 923 | May 27, 1879 | 1092 | 317 | 15 | 864 |
| Chair-seat press | R. Fitts | 217, 359 | July 8, 1879 | 487 | 141 | 16 | 74 |
| Chair-stock, Machine for finishing | L. B. Batcheller | 216, 015 | June 3, 1879 | 5 | 1, 2 | 15 | 885 |
| Chairs, Foot or leg rest for | M. E. Keiran | 212, 474 | Feb. 18, 1879 | 769 | 213 | 15 | 231 |
| Chairs, Rocker-shield for | J. T. Haskins | 211, 156 | Jan. 7, 1879 | 87 | 27 | 15 | 12 |
| Chairs, settees, car-seats, &c., Seat and back of | J. K. Mayo | 219, 589 | Sept. 16, 1879 | 608 | 170 | 16 | 506 |
| Chamber-drill for drilling rock for blasting purposes | M. M. Shur | 214, 720 | Apr. 22, 1879 | 1170 | 329 | 15 | 646 |
| Chandelier, Extension | G. Bohner | 216, 018 | June 3, 1879 | 14 | 3 | 15 | 886 |
| Chandelier, Extension | L. Brauer | 219, 682 | Sept. 16, 1879 | 723 | 200 | 16 | 521 |
| Chandelier, Extension | J. T. Bruen | 214, 618 | Apr. 22, 1879 | 1063 | 298 | 15 | 633 |
| Chandelier, Extension | P. J. Clark and J. Kintz | 222, 771 | Dec. 23, 1879 | 768 | 221 | 16 | 1145 |
| Chandelier, Extension | T. D. Hotchkiss | 221, 561 | Nov. 11, 1879 | 498 | 136 | 16 | 890 |
| Chandelier, Extension | H. Wellington | 219, 884 | Sept. 23, 1879 | 950 | 263 | 16 | 562 |
| Chandelier-hook | A. D. Judd | 217, 009 | July 1, 1879 | 86 | 26 | 16 | 13 |
| Chandelier-tube clamp | W. S. Blake | 218, 156 | Aug. 5, 1879 | 59 | 16 | 16 | 228 |
| Chandeliers, Extension-slide support for | J. T. Bruen | 214, 549 | Apr. 22, 1879 | 990 | 279 | 15 | 663 |
| Chandeliers, Retainer for extension-tubes of | J. F. Brown | 215, 318 | May 13, 1879 | 410 | 121 | 15 | 758 |
| Change-box | A. Bradford | 216, 647 | June 17, 1879 | 724 | 207 | 15 | 995 |
| Change box and register | J. R. Kenworthy | 218, 276 | Aug. 5, 1879 | 188 | 51 | 16 | 246 |
| Change-counter | E. J. Bruce | 211, 131 | Jan. 7, 1879 | 58 | 19 | 15 | 8 |
| Channeling-tool | E. F. Stevens | 216, 980 | July 1, 1879 | 59 | 18 | 16 | 10 |
| Charcoal and pyroligneous acid, Plant and process for the manufacture of. | H. L. Brooke | 211, 376 | Jan. 14, 1879 | 358 | 104 | 15 | 46 |
| Chart, Dress-maker's | M. E. Adams | 215, 310 | May 13, 1879 | 403 | 119 | 15 | 756 |
| Check, Bank | D. D. Grogory | 217, 478 | July 15, 1879 | 627 | 179 | 16 | 104 |
| Check book, Bank | H. H. Norrington | 219, 299 | Sept. 2, 1879 | 280 | 79 | 16 | 447 |
| Check-book | W. M. Blain | 223, 028 | Dec. 30, 1879 | 1070 | 305 | 16 | 1199 |
| Check-book | G. J. Letchworth | 217, 805 | July 22, 1879 | 998 | 286 | 16 | 162 |
| Check-book | W. J. Owen | 215, 020 | May 6, 1879 | 42 | 13 | 15 | 708 |
| Check-book | W. Wellington | 221, 007 | Oct. 28, 1879 | 947 | 253 | 16 | 786 |
| Check, Lunch and baggage | H. M. Richards | 218, 577 | Aug. 12, 1879 | 542 | 153 | 16 | 305 |
| Check marker, Bank | C. B. James | 215, 624 | May 20, 1879 | 760 | 222 | 15 | 814 |
| Check-register | J. Casey | 212, 788 | Mar. 4, 1879 | 9 | 3 | 15 | 298 |
| Check-row cords or wires, Knot or stop for | L. L. Haworth | 212, 553 | Feb. 25, 1879 | 880 | 243 | 15 | 254 |
| Check-rower | M. J. Barron | 211, 211 | Jan. 7, 1879 | 145 | 44 | 15 | 20 |
| Check-rower | M. J. Barron | 219, 671 | Sept. 16, 1879 | 713 | 197 | 16 | 520 |
| Check-rower | R. H. and W. A. McNair | 220, 403 | Oct. 7, 1879 | 215 | 58 | 16 | 664 |
| Check-rower | E. S. McEwen | 219, 361 | Sept. 9, 1879 | 358 | 101 | 16 | 465 |
| Check-rower | J. P. Moos | 211, 252 | Jan. 7, 1879 | 188 | 55 | 15 | 25 |
| Check rower and dropper | J. Babcock | 214, 079 | Apr. 8, 1879 | 423 | 119 | 15 | 533 |
| Check-rowers, Stop-knot for | M. J. Barron | 219, 434 | Sept. 9, 1879 | 444 | 123 | 16 | 476 |
| Checker-men | J. E. Crosby | 218, 860 | Aug. 26, 1879 | 903 | 252 | 16 | 372 |
| Checkers and buttons, Machine for making | W. L. Parmelee | 218, 640 | Aug. 19, 1879 | 630 | 177 | 16 | 325 |
| Cheese-box | J. A. Knight | 212, 100 | Feb. 11, 1879 | 323 | 89 | 15 | 169 |
| Cheese-box | A. Winston | 215, 194 | May 6, 1879 | 240 | 70 | 15 | 733 |
| Cheese-boxes, Machine for reducing the height of | E. D. Perkins | 215, 538 | May 20, 1879 | 659 | 192 | 15 | 800 |
| Cheese-cutter | J. W. Blodgett and B. F. Felix | 218, 477 | Aug. 12, 1879 | 435 | 121 | 16 | 289 |
| Cheese-cutter | J. W. Blodgett and B. F. Felix | 218, 478 | Aug. 12, 1879 | 436 | 121 | 16 | 289 |
| Cheese-hoop | G. L. Freeman | 214, 381 | Apr. 15, 1879 | 786 | 221 | 15 | 589 |
| Cheese-press | E. Cooper | 214, 107 | Apr. 8, 1879 | 450 | 127 | 15 | 536 |
| Cheese-press, Gang | J. Naylor, jr | 222, 724 | Dec. 16, 1879 | 711 | 204 | 16 | 1127 |
| Cheese-presses, Press-ring for | F. L. Jones | 218, 979 | Aug. 26, 1879 | 1030 | 290 | 16 | 389 |
| Cheese-safe | I. S. Forncrook | 212, 207 | Feb. 11, 1879 | 449 | 123 | 15 | 185 |
| Cheese-turner | G. Stettler | 215, 407 | May 13, 1879 | 494 | 146 | 15 | 769 |
| Cheese-vats, Milk-agitator for | M. P. Jackson | 213, 755 | Apr. 1, 1879 | 27 | 9 | 15 | 476 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. | | Official Gazette. | |
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| Chest: | | | | | | | |
| *See* Flour and meal chest. Meal-chest. | | | | | | | |
| Chests, Construction of | G. V. Luce | 213, 913 | Apr. 1, 1879 | 196 | 57 | 15 | 497 |
| Chicken-brooder | E. S. Renwick | 215, 070 | May 6, 1879 | 95 | 29 | 15 | 715 |
| Children's chairs, Locking device for the tables of | N. Bartell | 222, 001 | Nov. 25, 1879 | 1018 | 285 | 16 | 978 |
| Child's chair | A. B. Stevens | 220, 258 | Oct. 7, 1879 | 54 | 14 | 16 | 642 |
| Child's chair and carriage | D. Gleason | 215, 601 | May 20, 1879 | 732 | 214 | 15 | 810 |
| Child's table-chair | R. L. Bent | 218, 108 | Aug. 5, 1879 | 2 | 1 | 16 | 221 |
| Chill-mold | J. Oliver | 217, 815 | July 22, 1879 | 1009 | 289, 290 | 16 | 163 |
| Chimney-block | A. H. Thorp | 211, 437 | Jan. 14, 1879 | 429 | 121 | 15 | 55 |
| Chimney-cap | M. McNamara | 212, 104 | Feb. 11, 1879 | 329 | 90 | 15 | 169 |
| Chimney-cap or ventilator | T. Fitzgerald, jr | 218, 169 | Aug. 5, 1879 | 73 | 19 | 16 | 230 |
| Chimney-cleaner | T. Toyson | 213, 472 | Mar. 18, 1879 | 799 | 225 | 15 | 417 |
| Chimney-cowl | C. O. G. Kennel | 211, 333 | Jan. 14, 1879 | 313 | 92 | 15 | 41 |
| Chimney-cowl | F. Plaenker | 220, 414 | Oct. 7, 1879 | 226 | 61 | 16 | 666 |
| Chimney, Fire-proof | H. Schreier | 219, 120 | Sept. 2, 1879 | 71 | 23 | 16 | 422 |
| Chimney-holder and air-distributer, Combined | G. W. Thomas | 211, 945 | Feb. 4, 1879 | 139 | 40 | 15 | 144 |
| Chimney, Locomotive-engine | H. R. Walker | 212, 414 | Feb. 18, 1879 | 686 | 191 | 15 | 220 |
| Chimney, Sectional | J. Browell | 217, 985 | July 29, 1879 | 1205 | 346 | 16 | 196 |
| Chimney-top | G. W. and L. Demond | 211, 136 | Jan. 7, 1879 | 64 | 20 | 15 | 9 |
| Chimney top and ventilator | G. E. Barker | 221, 019 | Oct. 28, 1879 | 961 | 256 | 16 | 787 |
| Chimneys, Locomotive and other | M. E. Walton | 221, 880 | Nov. 18, 1879 | 861 | 241 | 16 | 948 |
| Chisel, Extension | B. F. Ough | 217, 899 | July 29, 1879 | 1118 | 320 | 16 | 184 |
| Chisel-rolling machine | G. Parr | 216, 969 | July 1, 1879 | 48 | 15 | 16 | 9 |
| Chisel, Turning | F. Hanson | 221, 552 | Nov. 11, 1879 | 488 | 134 | 16 | 888 |
| Chloroform and allied products, Manufacture of | J. W. Mallet | 220, 397 | Oct. 7, 1879 | 207 | 56 | 16 | 663 |
| Chocolate, Granulated | J. G. Finke | 215, 341 | May 13, 1879 | 431 | ..... | 15 | 760 |
| Choke-bore instrument | C. S. Chase | 218, 230 | Aug. 5, 1879 | 140 | 39 | 16 | 239 |
| Chopper: | | | | | | | |
| *See* Cotton-chopper. Tobacco-chopper. Meat-chopper. | | | | | | | |
| Chopper and cultivator, Combined | J. W. McMillan | 211, 760 | Jan. 28, 1879 | 811 | 228 | 15 | 111 |
| Chronograph | E. G. Boynett | 218, 224 | Aug. 5, 1879 | 133 | 36 | 16 | 238 |
| Chronometer-movement | P. Haller | 218, 268 | Aug. 5, 1879 | 180 | 48 | 16 | 245 |
| Chuck | G B. Kirkham | 222, 036 | Nov. 25, 1879 | 1075 | 300 | 16 | 986 |
| Chuck attachment, Lathe | F. G. Bielefeld, H. A. Eibach. and H. Vogel. | 217, 048 | July 1, 1879 | 135 | 40 | 16 | 20 |
| Chuck attachment, Lathe | G. T. Chattaway | 217, 062 | July 1, 1879 | 150 | 44, 45 | 16 | 22 |
| Chuck, Drill | A. F. Cushman | 218, 861 | Aug. 26, 1879 | 904 | 253 | 16 | 372 |
| Chuck, Drill | H. S. Pruyn | 212, 980 | Mar. 4, 1879 | 247 | 67 | 15 | 328 |
| Chuck for boring car-brasses | R. H. Briggs and J. H. Dougherty. | 217, 329 | July 8, 1879 | 448 | 131 | 16 | 69 |
| Chuck, Lathe | J. N. Skinner | 216, 766 | June 24, 1879 | 876 | 249 | 15 | 1024 |
| Chuck, Lathe | J. N. Skinner | 221, 746 | Nov. 18, 1879 | 701 | 196 | 16 | 927 |
| Chuck, Lathe | W. L. Sweetland | 211, 943 | Feb. 4, 1879 | 137 | 40 | 15 | 143 |
| Chuck, Lathe | J. H. Vinton | 212, 413 | Feb. 18, 1879 | 685 | 191 | 15 | 220 |
| Chuck, Planer | H. C. Heckendorn | 220, 145 | Sept. 30, 1879 | 1261 | 347 | 16 | 613 |
| Chuck, Screw-machine | C. Glover | 214, 818 | Apr. 29, 1879 | 1298 | 363 | 15 | 670 |
| Chuck, Watchmaker's lathe | R. P. Bell | 218, 155 | Aug. 5, 1879 | 58 | 16 | 16 | 228 |
| Churn | B. F. Aldridge | 219, 427 | Sept. 9, 1879 | 436 | 121 | 16 | 475 |
| Churn | W. L. Allegree | 215, 857 | May 27, 1879 | 1026 | 299 | 15 | 856 |
| Churn | G. Brown | 214, 877 | Apr. 29, 1879 | 1362 | 379 | 15 | 678 |
| Churn | H. M. Brown | 217, 263 | July 8, 1879 | 381 | 112 | 16 | 61 |
| Churn | E. W. Bullard | 217, 678 | July 22, 1879 | 868 | 247 | 16 | 144 |
| Churn | F. G. Butler | 219, 387 | Sept. 9, 1879 | 390 | 109 | 16 | 469 |
| Churn | M. Caisso | 222, 570 | Dec. 16, 1879 | 538 | 153 | 16 | 1102 |
| Churn | E. Caldwell | 216, 780 | June 24, 1879 | 891 | 258 | 15 | 1026 |
| Churn | E. T. Camp | 215, 319 | May 13, 1879 | 410 | 122 | 15 | 758 |
| Churn | J. Cochran, jr | 217, 065 | July 1, 1879 | 155 | 45 | 16 | 22 |
| Churn | S. Collins | 220, 750 | Oct. 21, 1879 | 628 | 168 | 16 | 735 |
| Churn | H. T. Davis | 218, 667 | Aug. 19, 1879 | 659 | 186 | 16 | 329 |
| Churn | S. K. Ferguson | 218, 669 | Aug. 19, 1879 | 661 | 186 | 16 | 329 |
| Churn | B. J. Field | 220, 133 | Sept. 30, 1879 | 1249 | 343 | 16 | 611 |
| Churn | S. O. R. Harris | 213, 195 | Mar. 11, 1879 | 508 | 141 | 15 | 370 |
| Churn | T. C. Harris | 220, 611 | Oct. 14, 1879 | 465 | 121 | 16 | 705 |
| Churn | H. F. Hogan | 219, 945 | Sept. 23, 1879 | 1020 | 283 | 16 | 572 |
| Churn | H. C. Horsey | 216, 739 | June 24, 1879 | 842 | 240 | 15 | 1020 |
| Churn | L. D. Hovey | 222, 188 | Dec. 2, 1879 | 82 | 20 | 16 | 1020 |
| Churn | A. Johnson | 213, 287 | Mar. 18, 1879 | 622 | 175 | 15 | 393 |
| Churn | J. Knox | 217, 387 | July 8, 1879 | 512 | 148 | 16 | 77 |
| Churn | W. H. Lightcap | 215, 139 | May 6, 1879 | 187 | 53 | 15 | 725 |
| Churn | M. S. Lyon | 214, 413 | Apr. 15, 1879 | 820 | 230 | 15 | 593 |
| Churn | J. McAnespey | 211, 756 | Jan. 28, 1879 | 808 | 227 | 15 | 111 |
| Churn | A. P. Minnick | 218, 129 | Aug. 5, 1879 | 24 | 7, 8 | 16 | 224 |
| Churn | A. W. Minat and M. Rhoades | 219, 290 | Sept. 2, 1879 | 266 | 75 | 16 | 445 |
| Churn | A. K. Morse | 213, 441 | Mar. 18, 1879 | 771 | 217 | 15 | 413 |
| Churn | A. Müller | 213, 127 | Mar. 11, 1879 | 432 | 119, 120 | 15 | 360 |
| Churn | W. M. Myers | 218, 557 | Aug. 12, 1879 | 523 | 147 | 16 | 302 |
| Churn | E. B. Older and F. E. R. Megow | 213, 444 | Mar. 18, 1879 | 774 | 218 | 15 | 414 |
| Churn | J. M. Parker | 217, 637 | July 15, 1879 | 798 | 227 | 16 | 126 |
| Churn | M. C. Pennock | 216, 885 | June 24, 1879 | 1005 | 286 | 15 | 1040 |
| Churn | W. A. Reich | 212, 263 | Feb. 11, 1879 | 504 | 140 | 15 | 193 |
| Churn | J. W. Rogers | 214, 457 | Apr. 15, 1879 | 861 | 242 | 15 | 599 |
| Churn | S. R. Ruckel | 213, 452 | Mar. 18, 1879 | 783 | 221 | 15 | 415 |
| Churn | D. Schweikhard | 216, 578 | June 17, 1879 | 654 | 185 | 15 | 985 |
| Churn | L. Sibert | 216, 111 | June 3, 1879 | 107 | 31 | 15 | 898 |
| Churn | C. M. Sparks | 219, 658 | Sept. 16, 1879 | 694 | 192 | 16 | 518 |
| Churn | J. L. Sprague | 216, 466 | June 10, 1879 | 524 | 150 | 15 | 959 |
| Churn | W. H. Sterns | 218, 790 | Aug. 19, 1879 | 788 | 224 | 16 | 347 |
| Churn | J. E. Taylor | 217, 168 | July 1, 1879 | 267 | 79 | 16 | 37 |
| Churn | M. N. Ward | 220, 196 | Sept. 30, 1879 | 1323 | 365 | 16 | 622 |
| Churn | M. R. Whelchel | 215, 850 | May 27, 1879 | 1017 | 296 | 15 | 855 |
| Churn | J. W. Wilson | 214, 268 | Apr. 15, 1879 | 645 | 181 | 15 | 571 |

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|---|---|---|---|---|---|---|---|
| Churn | J. Wolf | 222, 431 | Dec. 9, 1879 | 358 | 101 | 16 | 1067 |
| Churn | J. Wright | 211, 451 | Jan. 14, 1879 | 441 | 125 | 15 | 57 |
| Churn and ice-cream freezer, Combined | M. Swihart | 214, 729 | Apr. 22, 1879 | 1181 | 332 | 15 | 647 |
| Churn and washing-machine | W. D. Little | 220, 247 | Oct. 7, 1879 | 43 | 11 | 16 | 640 |
| Churn-dasher | A. H. Bell | 216, 643 | June 17, 1879 | 720 | 206 | 15 | 994 |
| Churn-dasher | J. E. Gibbs | 219, 934 | Sept. 23, 1879 | 1008 | 280 | 16 | 570 |
| Churn-dasher | J. E. Gibbs | 221, 048 | Oct. 28, 1879 | 996 | 264 | 16 | 792 |
| Churn-dasher | J. E. and W. H. Gibbs | 216, 033 | June 3, 1879 | 31 | 9 | 15 | 889 |
| Churn-dasher | A. W. McClure | 211, 246 | Jan. 7, 1879 | 182 | 53 | 15 | 24 |
| Churn-dasher | J. S. McKee | 212, 616 | Feb. 25, 1879 | 950 | 263 | 15 | 263 |
| Churn-dasher | M. Ray | 216, 456 | June 10, 1879 | 514 | 146 | 15 | 958 |
| Churn-dasher | S. R. Ruckel | 219, 598 | Sept. 16, 1879 | 618 | 172, 173 | 16 | 507 |
| Churn-dasher | W. R. Walker | 215, 186 | May 6, 1879 | 228 | 67 | 15 | 731 |
| Churn-dasher | S. K. Warren | 216, 000 | May 27, 1879 | 1165 | 339 | 15 | 874 |
| Churn-dasher | A. A. Woodson, J. J. Patton, A. J. Early, and W. F. Woodson. | 222, 170 | Dec. 2, 1879 | 60 | 15 | 16 | 1017 |
| Churn, Centrifugal | H. Bell | 221, 717 | Nov. 18, 1879 | 671 | 188 | 16 | 922 |
| Churn-lid | G. L. Farmer | 211, 980 | Feb. 4, 1879 | 180 | 51 | 15 | 149 |
| Churn-motor | J. H. Nichols | 220, 411 | Oct. 7, 1879 | 223 | 60 | 16 | 665 |
| Churn-motor | R. C. Rice | 219, 308 | Sept. 2, 1879 | 290 | 81 | 16 | 448 |
| Churn-operating machinery | W. N. Rhodes | 222, 076 | Nov. 25, 1879 | 1098 | 308 | 16 | 989 |
| Churn-power | J. Faubel | 216, 665 | June 17, 1879 | 743 | 212 | 15 | 997 |
| Churn-power | J. Fern and S. Bligh | 212, 672 | Feb. 25, 1879 | 1001 | 278 | 15 | 270 |
| Churn-power | J. W. Miller | 222, 147 | Dec. 2, 1879 | 37 | 10 | 16 | 1014 |
| Churn-power | A. Mires | 218, 553 | Aug. 12, 1879 | 520 | 146 | 16 | 302 |
| Churn-power | W. H. Swogger | 215, 027 | May 6, 1879 | 51 | 15 | 15 | 709 |
| Churn-power | W. H. Swogger | 220, 041 | Sept. 30, 1879 | 1139 | 314 | 16 | 595 |
| Churn-power and table | C. W. Patton | 222, 726 | Dec. 16, 1879 | 714 | 205 | 16 | 1127 |
| Churn-power mechanism | M. J. Barrow | 219, 061 | Sept. 2, 1879 | 5 | 2 | 16 | 413 |
| Churn-power mechanism | J. N. Bellinger | 217, 980 | July 29, 1879 | 1201 | 345 | 16 | 195 |
| Churn-powers, Converting motion for | W. F. Witherington | 212, 527 | Feb. 18, 1879 | 835 | 232 | 15 | 240 |
| Churn, Reciprocating | W. Bradberry | 212, 652 | Feb. 25, 1879 | 985 | 273 | 15 | 268 |
| Churns, Cream and milk trap for | H. A. Noe | 217, 742 | July 22, 1879 | 935 | 268 | 16 | 154 |
| Churning appartaus | J. T. Hart | 215, 352 | May 13, 1879 | 440 | 131 | 15 | 762 |
| Churning-machine | J. T. Haile | 220, 474 | Oct. 14, 1879 | 303 | 80 | 16 | 685 |
| Cider-mill | J. L. Barnes | 221, 386 | Nov. 11, 1879 | 292 | 79 | 16 | 861 |
| Cider-mill | E. Barton | 217, 976 | July 29, 1879 | 1198 | 343 | 16 | 195 |
| Cider-mill | R. C. Barrow | 216, 314 | June 10, 1879 | 347 | 101 | 15 | 936 |
| Cider-mill | S. T. Marsh and F. H. Brandt | 215, 950 | May 27, 1879 | 1124 | 325 | 15 | 868 |
| Cider-press | T. D. McCormick | 220, 249 | Oct. 7, 1879 | 45 | 11, 12 | 16 | 641 |
| Cider-press | M. P. Schenck | 215, 483 | May 20, 1879 | 600 | 176 | 15 | 792 |
| Cigar | C. R. Becker | 220, 114 | Sept. 30, 1879 | 1228 | 338 | 16 | 608 |
| Cigar and cigarette holder | R. C. Du Bois | 216, 160 | June 3, 1879 | 157 | 46 | 15 | 905 |
| Cigar-box | J. Casey | 220, 575 | Oct. 14, 1879 | 428 | 111 | 16 | 700 |
| Cigar-box | W. Fredricks | 222, 778 | Dec. 23, 1879 | 780 | 224 | 16 | 1147 |
| Cigar-box | C. Heylmann | 216, 737 | June 24, 1879 | 840 | 239 | 15 | 1019 |
| Cigar-box | F. R. Knowlton | 219, 819 | Sept. 23, 1879 | 890 | 245 | 16 | 553 |
| Cigar-box | E. Tollner | 211, 644 | Jan. 28, 1879 | 682 | 191 | 15 | 94 |
| Cigar-box | M. Schwarz and J. Spohr | 211, 189 | Jan. 7, 1879 | 124 | 38 | 15 | 17 |
| Cigar-box lock | L. F. Mergott | 221, 177 | Nov. 4, 1879 | 44 | 12 | 16 | 818 |
| Cigar-bunch-making machine | R. A. Bright, jr. | 217, 261 | July 8, 1879 | 379 | 112 | 16 | 60 |
| Cigar-bunching machine | J. R. Williams | 214, 015 | Apr. 8, 1879 | 323 | 93, 94 | 15 | 523 |
| Cigar-cutter | C. Du Brull | 217, 351 | July 8, 1879 | 476 | 139 | 16 | 73 |
| Cigar-cutter and match-safe, Combined | W. C. Shimoneck | 217, 298 | July 8, 1879 | 418 | 123 | 16 | 65 |
| Cigar-holder | C. Robinson | 222, 841 | Dec. 23, 1879 | 852 | 245 | 16 | 1157 |
| Cigar-lighter, Automatic | C. Crook | 221, 911 | Nov. 25, 1879 | 915 | 256, 257 | 16 | 965 |
| Cigar-maker's table | C. Bucksbaum | 216, 149 | June 3, 1879 | 147 | 44 | 15 | 904 |
| Cigar-mold | N. Du Brul | 221, 671 | Nov. 18, 1879 | 617 | 173 | 16 | 915 |
| Cigar-mold press | N. Du Brul | 219, 700 | Sept. 16, 1879 | 741 | 205 | 16 | 524 |
| Cigar-package | M. W. Prager | 211, 586 | Jan. 21, 1879 | 599 | 169 | 15 | 79 |
| Cigar-package | M. W. Prager | 215, 973 | May 27, 1879 | 1142 | 332 | 15 | 871 |
| Cigar-perforator | T. B. Tattersley | 218, 692 | Aug. 19, 1879 | 684 | 194 | 16 | 333 |
| Cigar-pipe | I. P. Maxwell | 214, 164 | Apr. 8, 1879 | 506 | 144 | 15 | 544 |
| Cigar-puncturing device | P. B. Wight | 223, 020 | Dec. 30, 1879 | 1062 | 303 | 16 | 1197 |
| Cigar show-box | J. Casey | 218, 112 | Aug. 5, 1879 | 7 | 3 | 16 | 222 |
| Cigar-stand | J. Grzybowski | 213, 747 | Apr. 1, 1879 | 20 | 6 | 15 | 475 |
| Cigarette | C. C. Millaudon | 212, 392 | Feb. 18, 1879 | 662 | 185 | 15 | 217 |
| Cigarette-machine | S. Block and E. Koch | 211, 548 | Jan. 21, 1879 | 551 | 156 | 15 | 73 |
| Cigarette-machine | C. G. and W. H. Emery | 216, 164 | June 3, 1879 | 161 | 47, 48, 49 | 15 | 905 |
| Cigarette-machine | J. Evans | 219, 810 | Sept. 23, 1879 | 880 | 242 | 16 | 552 |
| Cigarette-machine | G. H. Hayden | 211, 509 | Jan. 21, 1879 | 510 | 143, 144 | 15 | 68 |
| Cigarette-machine, Portable | H. Gerike | 221, 046 | Oct. 28, 1879 | 992 | 263 | 16 | 791 |
| Cigarette-making device | G. H. Backmire | 216, 817 | June 24, 1879 | 931 | 266 | 15 | 1031 |
| Cigarette, Medical | F. J. Kochert | 213, 431 | Mar. 18, 1879 | 762 | ..... | 15 | 412 |
| Cigars, Method and apparatus for treating | G. Clark | 217, 990 | July 29, 1879 | 1212 | 348 | 16 | 197 |
| Cigars, pipes, &c., Apparatus for lighting | W. W. Batchelder | 215, 261 | May 13, 1879 | 340 | 99 | 15 | 748 |
| Cinders into building-material, Conversion of | J. Pechmann | 218, 768 | Aug. 19, 1879 | 765 | 217 | 16 | 343 |
| Circles, Apparatus for describing | T. P. Worthington | 211, 825 | Jan. 28, 1879 | 886 | 249 | 15 | 121 |
| Circles, Instrument for drawing arcs of | T. Scheffler | 212, 627 | Feb. 25, 1879 | 961 | 266 | 15 | 265 |
| Circles, Machine for grinding the sectors of | G. Richards | 222, 736 | Dec. 16, 1879 | 725 | 208 | 16 | 1129 |
| Circuit-closer lock | C. H. Pond | 213, 064 | Mar. 11, 1879 | 351 | 99 | 15 | 350 |
| Cistern, Drain | T. Houston | 213, 886 | Apr. 1, 1879 | 169 | 50 | 15 | 494 |
| Clamp: *See* Barrel-holding clamp. Brake-shoe clamp. Chandelier-tube clamp. Paper-clamp. Picture-frame clamp. Saw-clamp. Saw-table clamp. Screw-clamp. Soldering-clamp. Tobacco-clamp. Tube-clamp. Wheel-clamp. Wringing-clamp. | | | | | | | |

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|---|---|---|---|---|---|---|---|
| Clamp | L. Austin | 214,078 | Apr. 8, 1879 | 422 | 119 | 15 | 533 |
| Clamp | S. Konz | 219,276 | Sept. 2, 1879 | 252 | 71 | 16 | 443 |
| Clamp for lifting clothes and holding mops | H. T. Vaders | 220,193 | Sept. 30, 1879 | 1319 | 364 | 16 | 621 |
| Clasp: | | | | | | | |
| *See* Album-clasp. Letter-package clasp. Box-cover clasp. Ribbon-clasp. Buckle-clasp. Shoe-clasp. Corset-clasp. Spring-clasp. Garment-clasp. Ticket-clasp. | | | | | | | |
| Clasp | B. Greig | 216,177 | June 3, 1879 | 177 | 53 | 15 | 907 |
| Clasp | C. E. Johnson | 222,055 | Nov. 25, 1879 | 1075 | 300 | 16 | 985 |
| Clasp | H. A. Miner | 214,577 | Apr. 22, 1879 | 1018 | 287 | 15 | 626 |
| Clasp | C. V. Richards | 223,170 | Dec. 30, 1879 | 1232 | 348 | 16 | 1220 |
| Clasp | J. W. Smith | 211,530 | Jan. 21, 1879 | 530 | 149 | 15 | 70 |
| Clasp | C. Thomas | 218,904 | Aug. 26, 1879 | 954 | 267 | 16 | 379 |
| Clasp for elastic bands | E. S. Smith | 212,578 | Feb. 25, 1879 | 910 | 251 | 15 | 258 |
| Clasp for fastening packages | J. H. Weaver | 218,652 | Aug. 19, 1879 | 641 | 181 | 16 | 326 |
| Clay, cement, and other pipes for drains, flues, &c | N. U. Walker | 212,072 | Feb. 4, 1879 | 286 | 78 | 15 | 161 |
| Clay, Disintegrating device for pulverizing | W. L. Gregg | 214,384 | Apr. 15, 1879 | 789 | 222 | 15 | 590 |
| Clay dissolving and washing apparatus | J. S. Estlin | 219,239 | Sept. 2, 1879 | 212 | 62 | 16 | 439 |
| Clay grinder and mixer | J. M. Kennedy | 215,754 | May 27, 1879 | 898 | 263, 264 | 15 | 840 |
| Clay, &c., Machine and process for disintegrating | J. C. Anderson | 222,225 | Dec. 2, 1879 | 125 | 31 | 16 | 1025 |
| Clay-mill | W. G. Merrill | 218,760 | Aug. 19, 1879 | 757 | 215 | 16 | 342 |
| Clay or cement to make the joints of stoves and fire-places, Fire. | J. Hinklein | 220,715 | Oct. 21, 1879 | 592 | ..... | 16 | 730 |
| Clay pipe, tile, flue-lining, &c | N. U. Walker | 221,127 | Oct. 28, 1879 | 1072 | 283 | 16 | 802 |
| Clay-press | S. G. Phillips | 218,058 | July 29, 1879 | 1289 | 369 | 16 | 207 |
| Clay, Purifying fire | W. T., sr., C. M., and W. T. Christy, jr. | 215,434 | May 20, 1879 | 538 | 159 | 15 | 784 |
| Cleaner: | | | | | | | |
| *See* Bran-cleaner. Locomotive-boiler cleaner. Brush-cleaner. Saw-cleaner. Carpet-cleaner. Slate-cleaner. Coffee-cleaner. Steam-boiler cleaner. Comb-cleaner. Track-cleaner. Cotton-cleaner. Tube-cleaner. Feed-water cleaner. Waste-pipe cleaner. Finger-nail cleaner. Window-cleaner. Flue-cleaner. | | | | | | | |
| Cleansing and drying small metallic articles, Machine for. | M. Bray | 212,125 | Feb. 11, 1879 | 356 | 97 | 15 | 173 |
| Clevis | C. S. Ells | 217,352 | July 8, 1879 | 477 | 139 | 16 | 73 |
| Clevis | J. Simpson | 214,793 | Apr. 29, 1879 | 1270 | 355 | 15 | 666 |
| Clevis, Plow | J. F. Mitchel | 220,938 | Oct. 28, 1879 | 857 | 230 | 16 | 774 |
| Clevis, Plow | I. L. Myers | 221,851 | Nov. 18, 1879 | 831 | 232 | 16 | 943 |
| Climbing apparatus | E. Von Mengden | 213,715 | Mar. 25, 1879 | 1072 | 305 | 15 | 460 |
| Clip: | | | | | | | |
| *See* Hame-clip. Vehicle-spring clip. Letter-clip. Whiffletree-clip. | | | | | | | |
| Clipper and sheap-shearer, Horse | E. W. Noyes | 216,882 | June 24, 1879 | 1002 | 285 | 15 | 1040 |
| Clippers, Hair | C. Carleton | 216,998 | July 1, 1879 | 75 | 23 | 16 | 12 |
| Cloak | J. D. Rogers | 211,426 | Jan. 14, 1879 | 414 | 118 | 15 | 53 |
| Cloak-blanket | C. A. Hodgman | 215,619 | May 20, 1879 | 756 | 221 | 15 | 813 |
| Cloak-fastening | M. Silberstein | 220,094 | Sept. 30, 1879 | 1209 | 533 | 16 | 605 |
| Clock | J. Dittmeier | 218,368 | Aug. 12, 1879 | 303 | 83 | 16 | 272 |
| Clock | J. Dittmeier | 218,945 | Aug. 26, 1879 | 992 | 279 | 16 | 385 |
| Clock | J. M. Josias | 218,980 | Aug. 26, 1879 | 1031 | 290 | 16 | 390 |
| Clock | C. Ostrom | 213,999 | Apr. 8, 1879 | 303 | 88 | 15 | 520 |
| Clock | J. Treat | 219,040 | Aug. 26, 1879 | 1095 | 307 | 16 | 397 |
| Clock, Alarm | H. Loriot | 220,540 | Oct. 14, 1879 | 379 | 99 | 16 | 694 |
| Clock and watch | J. A. Miller | 220,724 | Oct. 21, 1879 | 602 | 160 | 16 | 731 |
| Clock, Calendar | W. L. Bundy | 222,377 | Dec. 9, 1879 | 295 | 82 | 16 | 1059 |
| Clock, Calendar | T. Weisser | 211,816 | Jan. 28, 1879 | 876 | 246, 247 | 15 | 119 |
| Clock-case | S. C. Spring | 215,708 | May 20, 1879 | 845 | 247 | 15 | 825 |
| Clock-dial | G. A. Harmount | 212,220 | Feb. 11, 1879 | 460 | 127 | 15 | 187 |
| Clock-dial | S. E. Root | 213,350 | Mar. 18, 1879 | 688 | 192 | 15 | 402 |
| Clock for utilizing watch-movements | J. Camichel | 214,362 | Apr. 15, 1879 | 764 | 213 | 15 | 586 |
| Clock, Electro-magnetic | C. Shepherd | 222,424 | Dec. 9, 1879 | 347 | 97, 98, 99 | 16 | 1066 |
| Clock-escapement | R. S. Abernethy | 221,490 | Nov. 11, 1879 | 414 | 112 | 16 | 877 |
| Clock-escapement | C. E. Lord | 221,331 | Nov. 4, 1879 | 218 | 59 | 16 | 842 |
| Clock lock-work | A. L. Atwood | 221,493 | Nov. 11, 1879 | 416 | 113 | 16 | 878 |
| Clock-movement | A. E. Hotchkiss | 221,310 | Nov. 4, 1879 | 187 | 51, 52 | 16 | 838 |
| Clock-movements, Lock-work for | G. B. Owen | 216,215 | June 3, 1879 | 216 | 64 | 15 | 912 |
| Clock or cosmochronotrope, Astronomical | J. F. Sarratt | 220,036 | Sept. 30, 1879 | 1128 | 311, 312 | 16 | 594 |
| Clock-pendulum | H. Camp | 221,213 | Nov. 4, 1879 | 78 | 21 | 16 | 823 |
| Clock-pendulum adjustment | G. B. Owen | 212,045 | Feb. 4, 1879 | 257 | 69 | 15 | 158 |
| Clock-pendulums, Crutch for | E. Davies | 213,811 | Apr. 1, 1879 | 90 | 28 | 15 | 484 |
| Clock, Pneumatic | C. A. Mayrhofer | 215,381 | May 13, 1879 | 465 | 140 | 15 | 765 |
| Clock, Ship's-bells-indicating | H. H. Ham, jr | 215,057 | May 6, 1879 | 81 | 25 | 15 | 713 |
| Clock, Striking | D. W. Bradley | 221,210 | Nov. 4, 1879 | 75 | 20 | 16 | 822 |
| Clock-striking-mechanism | W. Lindon | 212,240 | Feb. 11, 1879 | 479 | 133 | 15 | 190 |
| Clock striking-movement | H. P. Fiske | 220,227 | Oct. 7, 1879 | 18 | 5 | 16 | 637 |
| Clock winding attachment | S. Serighelli | 211,936 | Feb. 4, 1879 | 128 | 37, 38 | 15 | 142 |
| Clock-winding mechanism, Invisible | E. M. L. Maxant | 220,401 | Oct. 7, 1879 | 212 | 57 | 16 | 664 |
| Clocks, Back-action for striking-movements of | W. D. Davies | 219,226 | Sept. 2, 1879 | 194 | 57 | 16 | 437 |
| Clocks, Earth-battery for electric | D. Drawbaugh | 211,322 | Jan. 14, 1879 | 298 | 89 | 15 | 39 |
| Clocks, Lighting attachment for alarm | A. T. Koopman | 211,748 | Jan. 28, 1879 | 800 | 224 | 15 | 109 |
| Clocks, Making wires and arbors of lock-work for striking. | F. A. Lane | 215,759 | May 27, 1879 | 905 | 265 | 15 | 841 |
| Clocks, Twelve-bells striker for | J. Kenmuir | 222,913 | Dec. 23, 1879 | 937 | 269 | 16 | 1169 |

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|---|---|---|---|---|---|---|---|
| Closet: | | | | | | | |
| *See* Earth-closet. Water-closet. | | | | | | | |
| Portable bathing-closet. | | | | | | | |
| Closets, Lighting and ventilating | B. Wilson | 211,645 | Jan. 28, 1879 | 682 | 191 | 15 | 94 |
| Cloth-cutting machine | A. Warth | 216,245 | June 3, 1879 | 246 | 74 | 15 | 916 |
| Cloth-cutting machine, Chenille | R. N. Havers and R. G. Geach | 222,273 | Dec. 2, 1879 | 177 | 46 | 16 | 1033 |
| Cloth-finishing machines, &c., Apparatus for guiding and delivering woven fabrics to. | J. Kerr | 221,576 | Nov. 11, 1879 | 515 | 141 | 16 | 892 |
| Cloth-pressing machine | J. Butterworth | 211,966 | Feb. 4, 1879 | 165 | 47 | 15 | 147 |
| Cloth-polishing machine, Enameled | O. Currier | 211,296 | Jan. 14, 1879 | 256 | 75 | 15 | 33 |
| Cloth-register | A. Harrison | 219,258 | Sept. 2, 1879 | 234 | 67 | 16 | 441 |
| Cloth-shearing machine | D. C. Sumner | 216,984 | July 1, 1879 | 62 | 19 | 16 | 10 |
| Clothes-bar | J. P. Mallette | 216,621 | June 17, 1879 | 700 | 200 | 15 | 991 |
| Clothes-drier | G. Dame | 217,515 | July 15, 1879 | 665 | 189 | 16 | 109 |
| Clothes-drier | H. M. Jacobs | 211,851 | Feb. 4, 1879 | 36 | 12 | 15 | 131 |
| Clothes-drier | B. Knopp | 216,683 | June 17, 1879 | 764 | 218 | 15 | 1000 |
| Clothes-drier | B. C. K. Lucas | 218,821 | Aug. 26, 1879 | 850 | 239 | 16 | 365 |
| Clothes-drier | R. E. Rye | 211,593 | Jan. 21, 1879 | 607 | 171 | 15 | 80 |
| Clothes-drier | W. H. Uren | 214,474 | Apr. 15, 1879 | 878 | 247, 248 | 15 | 602 |
| Clothes-drier | J. N. Valley | 211,483 | Jan. 21, 1879 | 477 | 135 | 15 | 64 |
| Clothes-drier | W. Wellington | 219,885 | Sept. 23, 1879 | 952 | 263 | 16 | 562 |
| Clothes-drying machine | R. F. Hatfield | 217,102 | July 1, 1879 | 198 | 57 | 16 | 28 |
| Clothes-frame | A. Moore | 219,109 | Sept. 2, 1879 | 55 | 18 | 16 | 420 |
| Clothes-horse | T. W. Green | 215,118 | May 6, 1879 | 162 | 46 | 15 | 722 |
| Clothes-horse | H. S. Thompson | 213,078 | Mar. 11, 1879 | 368 | 104 | 15 | 352 |
| Clothes-line fastener | S. Hurd | 215,224 | May 13, 1879 | 292 | 86 | 15 | 742 |
| Clothes-line, &c., fastener | J. Bohlen | 216,646 | June 17, 1879 | 723 | 207 | 15 | 995 |
| Clothes-line holder | J. A. Worley | 212,641 | Feb. 25, 1879 | 975 | 270 | 15 | 267 |
| Clothes-line hook | F. G. Slemmer | 222,086 | Nov. 25, 1879 | 1111 | 312 | 16 | 991 |
| Clothes-line reel | P. E. Bird | 220,793 | Oct. 21, 1879 | 688 | 182 | 16 | 742 |
| Clothes-line reel and support | P. Wallenborn | 217,915 | July 29, 1879 | 1136 | 325 | 16 | 187 |
| Clothes-line stretcher | W. G. Eddy | 222,684 | Dec. 16, 1879 | 675 | 194 | 16 | 1121 |
| Clothes-line support | P. Fischer | 212,916 | Mar. 4, 1879 | 176 | 48 | 15 | 318 |
| Clothes-line support | W. W. Gledhill | 213,746 | Apr. 1, 1879 | 19 | 6 | 15 | 475 |
| Clothes-line-support, Extension | F. Fischlein | 212,917 | Mar. 4, 1879 | 175 | 48 | 15 | 318 |
| Clothes-mangler | J. S. Fox | 216,320 | June 10, 1879 | 353 | 103 | 15 | 936 |
| Clothes-pin | M. Warren | 219,543 | Sept. 9, 1879 | 550 | 154 | 16 | 491 |
| Clothes-pounder | N. and J. Connoran | 212,900 | Mar. 4, 1879 | 149 | 42 | 15 | 315 |
| Clothes-pounder | L. Coplin | 216,604 | June 17, 1879 | 684 | 195 | 15 | 989 |
| Clothes-pounder | J. Hass | 215,122 | May 6, 1879 | 166 | 47 | 15 | 722 |
| Clothes-pounder | W. T. Howe | 220,288 | Oct. 7, 1879 | 88 | 23 | 16 | 647 |
| Clothes-pounder | W. F. Jenkins | 222,054 | Nov. 25, 1879 | 1074 | 300 | 16 | 985 |
| Clothes-pounder | W. D. Middleton | 214,942 | Apr. 29, 1879 | 1426 | 396 | 15 | 687 |
| Clothes-pounder | W. A. Moore | 214,688 | Apr. 22, 1879 | 1134 | 319 | 15 | 641 |
| Clothes-pounder | T. H. B. Morehouse | 221,849 | Nov. 18, 1879 | 829 | 232 | 16 | 943 |
| Clothes-pounder | S. Rea | 223,167 | Dec. 30, 1879 | 1230 | 348 | 16 | 1220 |
| Clothes-pounder | C. M. Reed | 214,524 | Apr. 22, 1879 | 965 | 271 | 15 | 620 |
| Clothes-pounder | C. D. Roberts | 217,153 | July 1, 1879 | 251 | 74 | 16 | 35 |
| Clothes-pounder | C. W. Robinson | 221,362 | Nov. 4, 1879 | 251 | 68 | 16 | 847 |
| Clothes-pounder | M. F. Smith | 223,178 | Dec. 30, 1879 | 1238 | 351 | 16 | 1221 |
| Clothes-pounder | D. Squier | 215,176 | May 6, 1879 | 220 | 64 | 15 | 730 |
| Clothes-pounder | C. F. K. Wilson | 213,962 | Apr. 1, 1879 | 246 | 72 | 15 | 504 |
| Clothes-pounder | W. N. Wylie | 221,761 | Nov. 18, 1879 | 720 | 201 | 16 | 929 |
| Clothes-rack and ironing-board | H. C. Woodworth | 211,613 | Jan. 21, 1879 | 626 | 176 | 15 | 83 |
| Clothes-reel | J. M. Brown and G. Craw | 214,485 | Apr. 22, 1879 | 907 | 256 | 15 | 613 |
| Clothes-rubber | G. Burkhardt and R. S. Hopkins | 214,361 | Apr. 15, 1879 | 763 | 213 | 15 | 586 |
| Clothes-sprinkler | F. G. Johnson | 220,077 | Sept. 30, 1879 | 1185 | 326 | 16 | 602 |
| Clothes-stick | S. E. Bauder | 213,377 | Mar. 18, 1879 | 711 | 199 | 15 | 405 |
| Clothes-wringer | S. A. Bailey | 221,271 | Nov. 4, 1879 | 144 | 40 | 16 | 833 |
| Clothes-wringer | C. B. Camp | 221,776 | Nov. 18, 1879 | 734 | 204 | 16 | 931 |
| Clothes-wringer | G. S. Foos | 220,821 | Oct. 21, 1879 | 715 | 190 | 16 | 745 |
| Clothes-wringer | R. Simpson and G. E. Gault | 222,800 | Dec. 23, 1879 | 803 | 231 | 16 | 1150 |
| Clothes-wringer | J. D. Van Dusen | 215,185 | May 6, 1879 | 227 | 67 | 15 | 731 |
| Clothing, Manufacture of | H. C. Elliot | 223,121 | Dec. 30, 1879 | 1183 | 333, 334 | 16 | 1213 |
| Clover-hulling concave | D. Lippy and Z. S. Stocking | 214,254 | Apr. 15, 1879 | 627 | 176 | 15 | 569 |
| Clover-seed separator | J. Stine | 211,603 | Jan. 21, 1879 | 617 | 174 | 15 | 82 |
| Clutch | G. T. Lemont | 220,207 | Sept. 30, 1879 | 1334 | 368 | 16 | 623 |
| Clutch and brake, Friction | W. R. Havens | 220,613 | Oct. 14, 1879 | 467 | 122 | 16 | 706 |
| Clutch and brake, Reversing friction | T. A. Weston | 217,032 | July 1, 1879 | 116 | 34 | 16 | 17 |
| Clutch and coupling, Friction | E. L. Hartmann | 222,040 | Nov. 25, 1879 | 1058 | 295 | 16 | 983 |
| Clutch-coupling | S. Gullicksen | 218,017 | July 29, 1879 | 1246 | 357 | 16 | 201 |
| Clutch, Friction | G. R. Clarke | 218,931 | Aug. 26, 1879 | 980 | 275 | 16 | 383 |
| Clutch, Friction | H. C. Crowell | 221,396 | Nov. 11, 1879 | 303 | 83 | 16 | 863 |
| Clutch, Friction | P. Fleming | 215,343 | May 13, 1879 | 433 | 128 | 15 | 761 |
| Clutch, Friction | T. Powell | 216,758 | June 24, 1879 | 866 | 246 | 15 | 1023 |
| Clutch, Friction | R. W. Whitney | 221,009 | Oct. 28, 1879 | 949 | 253 | 16 | 786 |
| Clutch, Safety | G. W. Baker | 220,955 | Oct. 28, 1879 | 885 | 236 | 16 | 777 |
| Clutch throw-off | W. Lloyd | 218,289 | Aug. 5, 1879 | 203 | 55 | 16 | 248 |
| Coach-wrench | H. A. Webber | 217,658 | July 15, 1879 | 824 | 235 | 16 | 129 |
| Coal, Apparatus for assorting and washing | R. Hartley | 211,846 | Feb. 4, 1879 | 23 | 8 | 15 | 129 |
| Coal as fuel, Utilization of the dust or culm of anthracite. | L. L. Cronuse | 222,466 | Dec. 9, 1879 | 409 | ..... | 16 | 1074 |
| Coal-breaker | P. H. Sharp | 219,773 | Sept. 16, 1879 | 815 | 225 | 16 | 534 |
| Coal-breakers, Cylinder-teeth for | E. H. Jones | 214,398 | Apr. 15, 1879 | 805 | 226 | 15 | 591 |
| Coal-breaking cylinders, Device for extracting teeth from. | E. H. Jones | 215,131 | May 6, 1879 | 179 | 51 | 15 | 724 |
| Coal-breaking machinery | W. H. Richmond | 216,807 | June 24, 1879 | 923 | 263 | 15 | 1030 |
| Coal-delivering apparatus | A. B. and T. C. Davis | 215,510 | May 20, 1879 | 631 | 184 | 15 | 796 |
| Coal from slate, &c., Apparatus for separating | D. Clark | 217,064 | July 1, 1879 | 154 | 45 | 16 | 22 |
| Coal-hod | W. Easterbrook | 222,347 | Dec. 9, 1879 | 266 | 73 | 16 | 1055 |
| Coal-hod | C. Holzner and J. Winstandley | 217,616 | July 15, 1879 | 776 | 221 | 16 | 123 |
| Coal, Process and apparatus for washing bituminous. | S. Stutz | 215,181 | May 6, 1879 | 223 | 66 | 15 | 730 |
| Coal slide or chute | G. A. Fall | 212,915 | Mar. 4, 1879 | 173 | 47 | 15 | 318 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Coal-scuttle | H. L. Arnold | 214,077 | Apr. 8, 1879 | 422 | 119 | 15 | 533 |
| Coat | N. Malmar | 214,431 | Apr. 15, 1879 | 836 | 235 | 15 | 596 |
| Coat and blanket, Combined | C. A. Hodgman | 217,107 | July 1, 1879 | 204 | 58 | 16 | 28 |
| Coat and hat hook | E. E. Stow | 213,260 | Mar. 11, 1879 | 573 | 160 | 15 | 378 |
| Coat and vest hanger | F. H. Zahn | 216,928 | June 24, 1879 | 1060 | 300 | 15 | 1047 |
| Coat, Reversible | N. H. Lund | 212,479 | Feb. 18, 1879 | 775 | 214 | 15 | 232 |
| Cock | J. Dewrance | 221,288 | Nov. 4, 1879 | 161 | 44 | 16 | 835 |
| Cock and faucet, &c., Self-closing | J. Broughton | 212,436 | Feb. 18, 1879 | 719 | 199 | 15 | 224 |
| Cock, Blow-off | B. B. Harrop | 218,264 | Aug. 5, 1879 | 177 | 47 | 16 | 244 |
| Cock, Cylinder | J. A. Robinson | 222,738 | Dec. 16, 1879 | 727 | 268 | 16 | 1129 |
| Cock, Cylinder | H. Schlacks and G. E. Hayes | 211,263 | Jan. 7, 1879 | 262 | 59 | 15 | 26 |
| Cock for fluid-pressure brakes | G. Westinghouse, jr | 214,602 | Apr. 22, 1879 | 1046 | 294 | 15 | 630 |
| Cock for fluid-pressure brakes, Operating | G. Westinghouse, jr | 222,803 | Dec. 23, 1879 | 807 | 232 | 16 | 1150 |
| Cock for soda-fonntains, Draft | G. D. Dows | 222,680 | Dec. 16, 1879 | 671 | 193 | 16 | 1120 |
| Cock, Gage | T. R. Bingham | 213,033 | Mar. 11, 1879 | 318 | 89 | 15 | 346 |
| Cock, Gage | C. R. Joyce | 218,125 | Aug. 5, 1879 | 20 | 6 | 16 | 223 |
| Cock, Gage | J. B. Léger | 213,669 | Mar. 25, 1879 | 1029 | 292 | 15 | 454 |
| Cock, Gage | H. C. Montgomery | 222,361 | Dec. 9, 1879 | 279 | 78 | 16 | 1057 |
| Cock, Gage | H. Poe | 219,759 | Sept. 16, 1879 | 800 | 221 | 16 | 532 |
| Cock, Gas and water | M. R. Colvin | 214,367 | Apr. 15, 1879 | 768 | 214, 215 | 15 | 587 |
| Cock key, Extension water | P. H. Regan | 221,610 | Nov. 11, 1879 | 547 | 151 | 16 | 897 |
| Cock or faucet | C. A. Blessing | 221,507 | Nov. 11, 1879 | 433 | 117, 118 | 16 | 880 |
| Cock or valve | C. A. Blessing | 221,506 | Nov. 11, 1879 | 432 | 117 | 16 | 880 |
| Cock, Water and steam | W. H. Hoyt | 213,903 | Apr. 1, 1879 | 186 | 54 | 15 | 496 |
| Cocks, Box and protector for underground stop | F. Hickman | 213,419 | Mar. 18, 1879 | 752 | 211 | 15 | 410 |
| Cocks, Locking device for stop | J. Harlin and J. Yule | 211,400 | Jan. 14, 1879 | 383 | 109 | 15 | 49 |
| Cocks, Operating stop | P. Connolly | 215,883 | May 27, 1879 | 1050 | 306 | 15 | 859 |
| Cockle-separator | P. M. L. Herse | 220,477 | Oct. 14, 1879 | 306 | 81 | 16 | 685 |
| Cockle-separator | A. Wemple | 213,720 | Mar. 25, 1879 | 1077 | 306 | 15 | 461 |
| Cockle-separators, Cylinder for | J. Kasten | 221,735 | Nov 18, 1879 | 691 | 193 | 16 | 925 |
| Cocoa-nut, Desiccated | J. S. Dunham | 220,359 | Oct. 7, 1879 | 165 | ..... | 16 | 657 |
| Coffee and rice huller | C. B. Brown | 220,698 | Oct. 21, 1879 | 572 | 152 | 16 | 727 |
| Coffee and tea, Apparatus for preparing | J. M. Webb | 221,376 | Nov. 4, 1879 | 265 | 72 | 16 | 849 |
| Coffee apparatus | C. Halstead | 219,857 | Sept. 23, 1879 | 922 | 255 | 16 | 558 |
| Coffee-cleaner | A. Wakeman, jr | 219,420 | Sept. 9, 1879 | 428 | 119 | 16 | 474 |
| Coffee-crushing roll | J. C. Chambers | 218,664 | Aug. 19, 1879 | 655 | 185 | 16 | 328 |
| Coffee-huller | L. Hull | 217,875 | July 29, 1879 | 1092 | 314 | 16 | 181 |
| Coffee, &c., Machine for cleaning | C. Fink | 214,765 | Apr. 29, 1879 | 1234 | 346 | 15 | 662 |
| Coffee-mill | F. Hasdenteufel | 218,627 | Aug. 19, 1879 | 619 | 174 | 16 | 323 |
| Coffee-mill | H. Matkin | 214,429 | Apr. 15, 1879 | 835 | 234 | 15 | 596 |
| Coffee-mill | O. W. Stow | 213,707 | Mar. 25, 1879 | 1063 | 303 | 15 | 459 |
| Coffee polishing and separating machine | J. H. Pendleton | 217,399 | July 8, 1879 | 526 | 151 | 16 | 79 |
| Coffee-pot | J. D. Adney | 220,691 | Oct. 21, 1879 | 565 | 151 | 16 | 727 |
| Coffee-pot | E. R. Banks | 218,214 | Aug. 5, 1879 | 124 | 33 | 16 | 237 |
| Coffee-pot | R. U. Etzensberger | 218,867 | Aug. 26, 1879 | 911 | 254 | 16 | 373 |
| Coffee-pot | J. Hartman, jr | 211,236 | Jan. 7, 1879 | 173 | 51 | 15 | 23 |
| Coffee-pot | G. F. Hussey | 212,801 | Mar. 4, 1879 | 25 | 9 | 15 | 300 |
| Coffee-pot | J. P. Jubb | 218,981 | Aug. 26, 1879 | 1032 | 290 | 16 | 390 |
| Coffee-pot | T. Keys | 216,861 | June 24, 1879 | 985 | 280 | 15 | 1037 |
| Coffee-pot | C. and W. Kirkpatrick | 218,384 | Aug. 12, 1879 | 322 | 88 | 16 | 274 |
| Coffee-pots, tea-pots, &c., Stand for | D. H. Murphy | 212,395 | Feb. 18, 1879 | 666 | 186 | 15 | 218 |
| Coffee preparation | H. H. Snow | 222,427 | Dec. 9, 1879 | 354 | ..... | 16 | 1067 |
| Coffee-roaster | R. Davis | 212,445 | Feb. 18, 1879 | 734 | 202 | 15 | 226 |
| Coffee-roaster | F. Goldsmith | 211,655 | Jan. 28, 1879 | 695 | 195 | 15 | 95 |
| Coffee-roaster | S. M. Poff | 221,607 | Nov. 11, 1879 | 543 | 150 | 16 | 897 |
| Coffee-roaster | J. Grzybowski | 222,131 | Dec. 2, 1879 | 15 | 5 | 16 | 1011 |
| Coffee-roaster and oven, Combined | W. B. Hinckley | 217,376 | July 8, 1879 | 501 | 146 | 16 | 76 |
| Coffee roaster and purifier | W. T. and S. E. Bown | 217,258 | July 8, 1879 | 376 | 111 | 16 | 60 |
| Coffee-tablet | J. B. Sultzer | 214,011 | Apr. 8, 1879 | 318 | 92 | 15 | 522 |
| Coffin | M. A. Frost | 215,055 | May 6, 1879 | 80 | 24 | 15 | 713 |
| Coffin | R. J. Howdon | 217,380 | July 8, 1879 | 505 | 147 | 16 | 76 |
| Coffin | R. E. McAlister | 216,749 | June 24, 1879 | 857 | 243 | 15 | 1021 |
| Coffin | J. McCarthy | 217,739 | July 22, 1879 | 933 | 267 | 16 | 153 |
| Coffin | F. C. Rawson | 219,827 | Sept. 23, 1879 | 897 | 247 | 16 | 554 |
| Coffin | J. Shannon | 212,273 | Feb. 11, 1879 | 516 | 144 | 15 | 194 |
| Coffin | C. W. Tubbs | 211,534 | Jan. 21, 1879 | 535 | 151 | 15 | 71 |
| Coffin-case | H. L. Obetz | 214,692 | Apr. 22, 1879 | 1139 | 320 | 15 | 642 |
| Coffin-handle | R. J. Howdon | 217,381 | July 8, 1879 | 506 | 147 | 16 | 77 |
| Coffin head-rest | J. S. Richardson | 214,052 | Apr. 8, 1879 | 374 | 106 | 15 | 528 |
| Coffin, Metallic | C. Mattoni | 219,643 | Sept. 16, 1879 | 681 | 188 | 16 | 516 |
| Coffin-plate | R. J. Howdon | 214,392 | Apr. 15, 1879 | 798 | 224 | 15 | 591 |
| Coffin show-case | J. L. Wolcott | 219,841 | Sept. 23, 1879 | 908 | 250, 251 | 16 | 556 |
| Coffins, Bending lumber for | L. W. Drake | 213,636 | Mar. 25, 1879 | 990 | 282 | 15 | 449 |
| Coin-assorter | A. S. Tyler | 215,846 | May 27, 1879 | 1014 | 295 | 15 | 854 |
| Coin-blanks, Machine for reducing | F. X. Cicott | 216,308 | June 10, 1879 | 340 | 100 | 15 | 935 |
| Coin-counter | H. Clark | 213,738 | Apr. 1, 1879 | 9 | 3 | 15 | 474 |
| Coin-holder | G. C. Hatch | 214,130 | Apr. 8, 1879 | 476 | 135 | 15 | 540 |
| Coin-holder | L. H. Olmsted | 212,867 | Mar. 4, 1879 | 100 | 30 | 15 | 311 |
| Coin-holder | L. H. Olmsted | 220,770 | Oct. 21, 1879 | 660 | 175 | 16 | 709 |
| Coin-holder | J. C. Stevens | 217,829 | July 22, 1879 | 1025 | 294 | 16 | 165 |
| Coin-holding and delivering apparatus | J. W. Meaker | 219,287 | Sept. 2, 1879 | 263 | 74 | 16 | 445 |
| Coin holding attachment | A. L. Thurston | 216,068 | June 3, 1879 | 67 | 19 | 15 | 893 |
| Coin-package | W. V. Brigham | 215,788 | May 27, 1879 | 940 | 276 | 15 | 846 |
| Coin-package | O. A. Dennis | 211,321 | Jan. 14, 1879 | 298 | 88 | 15 | 39 |
| Coin-package | C. H. Upton | 213,361 | Mar. 18, 1879 | 698 | 195 | 15 | 403 |
| Coin-press | T. Scott | 211,595 | Jan. 21, 1870 | 609 | 172 | 15 | 81 |
| Coin-press | T. Scott | 211,596 | Jan. 21, 1879 | 609 | 172 | 15 | 81 |
| Coin-roller | P. H. Newbill | 217,396 | July 8, 1879 | 522 | 151 | 16 | 78 |
| Coke-oven | L. Bemelmans | 214,086 | Apr. 8, 1879 | 430 | 121 | 15 | 534 |
| Collar | J. W. A. Cluett | 211,380 | Jan. 14, 1879 | 363 | 105 | 15 | 47 |
| Collar | G. A. Goldsmith | 217,937 | July 29, 1879 | 1159 | 332 | 16 | 190 |
| Collar | A. U. Waterman | 218,606 | Aug. 12, 1879 | 573 | 162 | 16 | 309 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Collar and cuff | T. N. Page | 220, 941 | Oct. 28, 1879 | 861 | 231 | 16 | 775 |
| Collar and cuff, Celluloid | C. O. Kanouse and A. A. Sanborn | 220, 386 | Oct. 7, 1879 | 199 | 53 | 16 | 662 |
| Collar and cuff fastener | J. Wehl | 217, 437 | July 8, 1879 | 596 | 162 | 16 | 84 |
| Collar and hame attachment | A. Carlin | 220, 804 | Oct. 21, 1879 | 699 | 185 | 16 | 743 |
| Collar and hames, Combined | A. Rutherford | 217, 137 | July 1, 1879 | 257 | 76 | 16 | 36 |
| Collar and hames, Combined horse | F. Hartman | 217, 099 | July 1, 1879 | 196 | 56 | 16 | 27 |
| Collar and stove-pipe chimney-fastening | G. W. Barnhart and E. H. Hazleton. | 212, 171 | Feb. 11, 1879 | 404 | 110 | 15 | 180 |
| Collar blanks, Die for forging sheet-metal horse | E. B. Jackson | 214, 918 | Apr. 29, 1879 | 1406 | 390 | 15 | 684 |
| Collar, Breast | R. E. Miles | 214, 170 | Apr. 8, 1879 | 511 | 145 | 15 | 545 |
| Collar cap, Horse | J. P. Schmitz | 223, 174 | Dec. 30, 1879 | 1235 | 349 | 16 | 1221 |
| Collar-cap press | G. Chamberlin | 213, 170 | Mar. 11, 1879 | 485 | 134 | 15 | 367 |
| Collar fastener, Shirt | L. E. Lambert | 215, 062 | May 6, 1879 | 86 | 26 | 15 | 713 |
| Collar fastening, Horse | A. A. Moore and R. Cameron | 215, 652 | May 20, 1879 | 789 | 231 | 15 | 818 |
| Collar frames, Die for forming metallic horse | E. Fisher | 220, 594 | Oct. 14, 1879 | 450 | 117 | 16 | 703 |
| Collar, Harness breast | R. Pattin, H. L. Sibley, and T. M. Beagle. | 219, 510 | Sept. 9, 1879 | 519 | 145 | 16 | 487 |
| Collar, Horse | E. L. Albro | 219, 426 | Sept. 9, 1879 | 435 | 121 | 16 | 475 |
| Collar, Horse | J. Q. Black | 220, 013 | Sept. 30, 1879 | 1101 | 305 | 16 | 591 |
| Collar, Horse | E. J. Blood | 217, 257 | July 8, 1879 | 376 | 111 | 16 | 60 |
| Collar, Horse | A. B. Harris | 216, 087 | June 3, 1879 | 87 | 25 | 15 | 896 |
| Collar, Horse | F. Martens | 222, 636 | Dec. 16, 1879 | 620 | 177 | 16 | 1113 |
| Collar, Horse | B. Palmer | 222, 364 | Dec. 9, 1879 | 283 | 79 | 16 | 1058 |
| Collar, Horse | S. D. Reynolds | 217, 902 | July 29, 1879 | 1121 | 321 | 16 | 185 |
| Collar, Horse | J. H. Snyder | 222, 323 | Dec. 2, 1879 | 230 | 61 | 16 | 1041 |
| Collar, Horse | M. Turley | 213, 474 | Mar. 18, 1879 | 800 | 226 | 15 | 417 |
| Collar, Horse | J. T. Turner | 222, 964 | Dec. 23, 1879 | 993 | 285 | 16 | 1177 |
| Collar-pad | H. T. Detert | 218, 944 | Aug. 26, 1879 | 992 | 279 | 16 | 385 |
| Collar-pad, Galvanic | H. C. Funk and W. J. Bennett | 214, 816 | Apr. 29, 1879 | 1297 | 362 | 15 | 670 |
| Collar pad, Horse | F. Benoit | 218, 217 | Aug. 5, 1879 | 126 | 34 | 16 | 237 |
| Collar protector, Horse | M. R. Dowlin | 211, 229 | Jan. 7, 1879 | 167 | 49 | 15 | 22 |
| Collar, Steel horse | E. Fisher | 216, 168 | June 3, 1879 | 170 | 50 | 15 | 906 |
| Collar-support and friction-pad | L. E. Crane | 220, 963 | Oct. 28, 1879 | 892 | 239 | 16 | 778 |
| Collars and cuffs, Manufacturing celluloid | A. A. Sanborn | 221, 977 | Nov. 25, 1879 | 996 | 278 | 16 | 975 |
| Collodion, Manufacturing solid | V. Tribouillet and L. A. De Besancèle. | 216, 474 | June 10, 1879 | 531 | ..... | 15 | 960 |
| Coloring fibrous material | H. W. Vaughan | 223, 019 | Dec. 30, 1879 | 1061 | ..... | 16 | 1197 |
| Coloring-matter | J. P. Griess | 213, 563 | Mar. 25, 1879 | 912 | ..... | 15 | 439 |
| Coloring-matter | J. P. Griess | 213, 564 | Mar. 25, 1879 | 913 | ..... | 15 | 439 |
| Coloring-matter derived from toluol | J. H. Stebbins, jr | 221, 120 | Oct. 28, 1879 | 1065 | ..... | 16 | 801 |
| Coloring-matter, Green | O. G. Doebner | 222, 257 | Dec. 2, 1879 | 164 | ..... | 16 | 1031 |
| Coloring-matter obtained from cresol | J. H. Stebbins, jr | 221, 117 | Oct. 28, 1879 | 1064 | ..... | 16 | 801 |
| Coloring-matter obtained from diamido-naphthaline and diazo-naphthaline nitrate. | J. H. Stebbins, jr | 221, 116 | Oct. 28, 1879 | 1063 | ..... | 16 | 801 |
| Coloring-matter obtained from naphthylamine and diazo-benzole nitrate. | J. H. Stebbins, jr | 221, 119 | Oct. 28, 1879 | 1065 | ..... | 16 | 801 |
| Coloring-matter obtained from salicylic acid | J. H. Stebbins, jr | 221, 118 | Oct. 28, 1879 | 1064 | ..... | 16 | 801 |
| Colors, Apparatus and process of fixing | G. H. Smith | 221, 428 | Nov. 11, 1879 | 337 | 93 | 16 | 868 |
| Colors, Composition for applying | A. E. Méry | 216, 207 | June 3, 1879 | 208 | ..... | 15 | 911 |
| Colors derived from nitraniline | Z. Roussin and A. F. Poirrier | 211, 525 | Jan. 21, 1879 | 527 | ..... | 15 | 70 |
| Colors derived from toluidine and xylidine | Z. Roussin and A. F. Poirrier | 211, 671 | Jan. 28, 1879 | 712 | ..... | 15 | 98 |
| Colors from crude naphthylamine | A. F. Poirrier, D. A. Rosenstiehl, and Z. Roussin. | 211, 180 | Jan. 7, 1879 | 108 | ..... | 15 | 15 |
| Colors from diazo-benzole nitrate and pyrogallol | J. H. Stebbins, jr | 221, 114 | Oct. 28, 1879 | 1062 | ..... | 16 | 801 |
| Colors from picric acid | J. H. Stebbins, jr | 221, 115 | Oct. 28, 1879 | 1063 | ..... | 16 | 801 |
| Colter | A. Aldrich | 216, 128 | June 3, 1879 | 128 | 37 | 15 | 901 |
| Colter | K. W. Manwaring | 220, 161 | Sept. 30, 1879 | 1276 | 350 | 16 | 615 |
| Colter and jointer | G. Dodge | 215, 587 | May 20, 1879 | 719 | 210 | 15 | 808 |
| Colter, Caster | H. T. Noble | 214, 519 | Apr. 22, 1879 | 960 | 269 | 15 | 619 |
| Colter-fastener | P. A. Bagwell | 217, 043 | July 1, 1879 | 129 | 38 | 16 | 19 |
| Colter for grain-droppers | G. W. Cloyd | 211, 225 | Jan. 7, 1879 | 164 | 45 | 15 | 22 |
| Colter hanger, Plow | A. H. Burlingame | 218, 617 | Aug. 19, 1879 | 607 | 171 | 16 | 321 |
| Colter, Plow | C. and S. J. Adams | 214, 864 | Apr. 29, 1879 | 1350 | 376 | 15 | 677 |
| Colter, Plow | J. Clayton | 213, 622 | Mar. 25, 1879 | 975 | 276 | 15 | 447 |
| Colter, Rolling | J. Lane | 223, 151 | Dec. 30, 1879 | 1213 | 343 | 16 | 1217 |
| Colter, Rolling plow | N. P. Browsher | 219, 680 | Sept. 16, 1879 | 720 | 200 | 16 | 521 |
| Colter, Wheel | J. Lane | 213, 049 | Mar. 11, 1879 | 335 | 94 | 15 | 348 |
| Colter, Wheel | J. Lane | 222, 711 | Dec. 16, 1879 | 700 | 201 | 16 | 1125 |
| Colter, Wheel | T. Pates | 213, 061 | Mar. 11, 1879 | 248 | 98 | 15 | 350 |
| Colters, Hub for plow | S. J. Adams | 214, 229 | Apr. 15, 1879 | 595 | 169 | 15 | 565 |
| Column | F. H. Smith | 213, 786 | Apr. 1, 1879 | 60 | 19 | 15 | 480 |
| Comb: | | | | | | | |
| *See* Curry-comb. Mane-comb. | | | | | | | |
| Comb | F. Rheinhardt | 214, 194 | Apr. 8, 1879 | 536 | 153 | 15 | 548 |
| Comb-cleaner | S. E. Hibbert | 215, 358 | May 13, 1879 | 444 | 133 | 15 | 762 |
| Combination-chair | C. J. Higgins | 214, 297 | Apr. 15, 1879 | 676 | 190 | 15 | 576 |
| Combing and carding machines, Mechanism for forming laps for. | S. R. Parkhurst | 216, 103 | June 3, 1879 | 100 | 29, 30 | 15 | 897 |
| Commode | W. Reed | 218, 899 | Aug. 26, 1879 | 949 | 266 | 16 | 379 |
| Commode | J. W. Sprint | 218, 589 | Aug. 12, 1879 | 555 | 156 | 16 | 306 |
| Commode-pail or water-closet, Portable | T. H. King | 219, 866 | Sept. 23, 1879 | 930 | 257 | 16 | 559 |
| Compass, Mariner's | S. Longfellow | 217, 014 | July 1, 1879 | 93 | 28 | 16 | 15 |
| Compass, Mariner's | S. Longfellow | 217, 015 | July 1, 1879 | 94 | 28 | 16 | 15 |
| Compass, Mariner's | H. A. Severn | 215, 403 | May 13, 1879 | 490 | 145 | 15 | 768 |
| Compass, Mariner's | J. F. Watson | 216, 919 | June 24, 1879 | 1049 | 297 | 15 | 1046 |
| Compound engine | W. J. F. Liddell | 220, 160 | Sept. 30, 1879 | 1275 | 350 | 16 | 615 |
| Compressing apparatus | F. J. Wehner | 216, 364 | June 10, 1879 | 411 | 118 | 15 | 943 |
| Concrete pipe, Apparatus for making and laying continuous. | E. M. Hamilton and C. N. Earl | 220, 757 | Oct. 21, 1879 | 639 | 170 | 16 | 736 |
| Concrete-skip | E. Moore | 221, 847 | Nov. 18, 1879 | 827 | 230 | 16 | 943 |
| Condenser | W. McIntyre | 221, 840 | Nov. 18, 1879 | 820 | 228 | 16 | 941 |
| Condenser-injector | J. E. Bott | 214, 090 | Apr. 8, 1879 | 434 | 122, 123 | 15 | 534 |
| Condenser, Steam | A. F. Caron and E. Julien | 220, 054 | Sept. 30, 1879 | 1162 | 320 | 16 | 599 |
| Condenser, Steam-engine | W. L. Church | 217, 845 | July 22, 1879 | 1045 | 299 | 16 | 167 |

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|---|---|---|---|---|---|---|---|
| Condenser, Steam-engine surface | G. W. Zastrow | 218, 356 | Aug. 5, 1879 | 277 | 76 | 16 | 257 |
| Condensers, Non-corrodible composition for quick-silver. | H. H. Eames | 211, 721 | Jan. 28, 1879 | 769 | 216 | 15 | 105 |
| Conductor | A. T. Stearns | 215, 177 | May 6, 1879 | 220 | 65 | 15 | 730 |
| Convertible chair | A. H. Brick | 223, 109 | Dec. 30, 1879 | 1168 | 329 | 16 | 1211 |
| Convertible chair | F. Jensen | 215, 127 | May 6, 1879 | 176 | 50 | 15 | 723 |
| Convertible chair | T. H. Woolverton | 212, 778 | Feb. 25, 1879 | 1118 | 311 | 15 | 286 |
| Cooker and drier, Combined steam-feed | T. E. Daniels | 218, 497 | Aug. 12, 1879 | 456 | 127 | 16 | 292 |
| Cooker and steamer | T. Lee | 213, 763 | Apr. 1, 1879 | 35 | 11 | 15 | 477 |
| Cooker, Feed | M. B. Mills and C. E. Dinchart | 219, 968 | Sept. 23, 1879 | 1047 | 290 | 16 | 575 |
| Cooker, Steam | A. M. Amos | 220, 048 | Sept. 30, 1879 | 1153 | 317 | 16 | 597 |
| Cooker, Steam | S. L. Farrar | 221, 542 | Nov. 11, 1879 | 476 | 129 | 16 | 886 |
| Cooker, Steam | H. C. Patterson | 222, 838 | Dec. 23, 1879 | 850 | 244 | 16 | 1156 |
| Cooker, Steam | T. J. Whitney and T. Hall | 211, 202 | Jan. 7, 1879 | 135 | 42 | 15 | 19 |
| Cooker, Steam feed | W. Collings | 222, 017 | Nov. 25, 1879 | 1031 | 289 | 16 | 980 |
| Cooking-boiler | W. E. Arnold | 217, 314 | July 8, 1879 | 433 | 128 | 16 | 67 |
| Cooking-utensil | J. McMurray | 222, 296 | Dec. 2, 1879 | 201 | 53 | 16 | 1036 |
| Cooking-vessel | G. Hand | 214, 908 | Apr. 29, 1879 | 1395 | 388 | 15 | 683 |
| Cooler: *See* Beer-cooler. Butter-worker cooler. Cake-cooler. Corpse-cooler. Journal-cooler. Lard-cooler. Liquid-cooler. Milk-cooler. Water-cooler. | | | | | | | |
| Coop and crate, Chicken | G. J. Cook | 219, 071 | Sept. 2, 1879 | 16 | 5, 6 | 16 | 41[illegible] |
| Coop, Chicken | P. Millar | 218, 047 | July 29, 1879 | 1278 | 365 | 16 | 205 |
| Cop-tube | A. Ball | 218, 471 | Aug. 12, 1879 | 429 | 119 | 16 | 289 |
| Cop-tube | J. Essex | 216, 839 | June 24, 1879 | 960 | 273 | 15 | 1034 |
| Copies of writings, &c., Apparatus for producing | E. De Zuccato | 211, 877 | Feb. 4, 1879 | 64 | 19 | 15 | 134 |
| Copper from its solution, Apparatus for obtaining metallic. | C. C. Bitner | 213, 382 | Mar. 18, 1879 | 716 | 201 | 15 | 406 |
| Copper-lined boiler | W. L. Brownell | 220, 748 | Oct. 21, 1879 | 626 | 167 | 16 | 735 |
| Copper, Manufacture of tinned sheet | G. Salmon | 222, 641 | Dec. 16, 1879 | 626 | ..... | 16 | 1114 |
| Copper, Refining | M. Chapman | 215, 096 | May 6, 1879 | 125 | ..... | 15 | 718 |
| Copy-holder | C. S. Caldwell | 216, 654 | June 17, 1879 | 731 | 209 | 15 | 996 |
| Copying and recording machine, Combined | C. Windrath | 214, 541 | Apr. 22, 1879 | 980 | 276 | 15 | 622 |
| Copying-press | H. J. Baldwin | 216, 995 | July 1, 1879 | 72 | 22 | 16 | 12 |
| Copying-press | W. L. Imlay | 215, 820 | May 27, 1879 | 978 | 286 | 15 | 850 |
| Copying-presses, Blotter-bath for | B. B. Hill | 216, 738 | June 24, 1879 | 841 | 239 | 15 | 1020 |
| Copying, Water-well and brush for | J. Miller | 221, 845 | Nov. 18, 1879 | 826 | 230 | 16 | 942 |
| Cord-adjuster | W. W. Batchelder | 222, 649 | Dec. 16, 1879 | 636 | 182 | 16 | 1115 |
| Core anchor and stud | C. D. Woodruff | 214, 270 | Apr. 15, 1879 | 647 | 181 | 15 | 572 |
| Core-box | A. T. Whitehouse | 217, 438 | July 8, 1879 | 567 | 163 | 16 | 84 |
| Cores, Combined chaplet and anchor for horizontal | B. B. Quinn and O. Longacre | 217, 296 | July 8, 1879 | 415 | 123 | 16 | 65 |
| Cork-cutting machine | E. F. Harrington | 219, 356 | Sept. 9, 1879 | 352 | 100 | 16 | 465 |
| Corkcutting machine | A. Robert | 211, 184 | Jan. 7, 1879 | 111 | 35, 36 | 15 | 16 |
| Cork-extractor | L. C. Mumford | 212, 863 | Mar. 4, 1879 | 96 | 28 | 15 | 310 |
| Cork-fasteners, Tool for forming | J. Graf and P. Madlener | 211, 395 | Jan. 14, 1879 | 378 | 108 | 15 | 49 |
| Cork-holder | O. Zwietusch | 217, 567 | July 15, 1879 | 723 | 206 | 16 | 116 |
| Cork, Machine for splitting or slicing | D. S. Yoeman | 217, 188 | July 1, 1879 | 289 | 85 | 16 | 40 |
| Corn and seed dropper | C. O. Mason | 214, 939 | Apr. 29, 1879 | 1423 | 395, 396 | 15 | 686 |
| Corn-cribs, Trap attachment with | A. Harper | 214, 654 | Apr. 22, 1879 | 1100 | 308 | 15 | 637 |
| Corn-drill | W. Teamer | 215, 410 | May 13, 1879 | 496 | 147 | 15 | 769 |
| Corn-dropper and check-rower | J. O. Hall | 211, 994 | Feb. 4, 1879 | 194 | 55 | 15 | 151 |
| Corn dropper and marker | J. A. and J. J. Stephenson | 213, 788 | Apr. 1, 1879 | 62 | 20 | 15 | 481 |
| Corn from the cob, Machine for cutting green | J. H. Gulick | 218, 876 | Aug. 26, 1879 | 923 | 258 | 16 | 374 |
| Corn-husking implement | H. W. Price | 211, 345 | Jan. 14, 1879 | 324 | 95 | 15 | 42 |
| Corn-husking machine | J. Webber, jr | 211, 447 | Jan. 14, 1879 | 438 | 123 | 15 | 56 |
| Corn, Implement for holding hot | G. H. Dyer | 211, 388 | Jan. 14, 1879 | 373 | 107 | 15 | 48 |
| Corn-receiver | N. Edwards | 219, 080 | Sept. 2, 1879 | 27 | 8 | 16 | 416 |
| Corn safe, Seed | B. Goodyear | 219, 713 | Sept. 16, 1879 | 755 | 209 | 16 | 526 |
| Corn separator, Indian | T. R. Taylor | 216, 472 | June 10, 1879 | 529 | 152 | 15 | 959 |
| Corn-sheller | J. M. Hawley | 222, 698 | Dec. 16, 1879 | 688 | 198 | 16 | 1123 |
| Corn-sheller | W. A. Stone | 219, 123 | Sept. 2, 1879 | 74 | 23 | 16 | 422 |
| Corn-sheller | E. Ward and Z. Irish | 221, 484 | Nov. 11, 1879 | 405 | 111 | 16 | 876 |
| Corn-sheller, Hand | G. W. Grimes | 213, 651 | Mar. 25, 1879 | 1006 | 286 | 15 | 452 |
| Corn-sheller separator | D. P. Wirt | 214, 542 | Apr. 22, 1879 | 983 | 276 | 15 | 622 |
| Corn-shelling machine | S. M. Massie | 213, 120 | Mar. 11, 1879 | 423 | 117 | 15 | 359 |
| Corn-stalk cutter | S. D. Rice | 219, 524 | Sept. 9, 1879 | 533 | 149 | 16 | 489 |
| Corn-stub cutter and splitter | S. Sherman | 220, 877 | Oct. 21, 1879 | 775 | 206 | 16 | 754 |
| Cornet | D. J. Blaikley | 216, 595 | June 17, 1879 | 674 | 192 | 15 | 988 |
| Cornet | C. G. Conn and E. Dupont | 222, 248 | Dec. 2, 1879 | 155 | 40 | 16 | 1029 |
| Cornet | H. Esbach | 214, 498 | Apr. 22, 1879 | 921 | 260 | 15 | 615 |
| Cornet | W. C. Fietz | 215, 598 | May 20, 1879 | 730 | 213 | 15 | 810 |
| Cornice, Adjustable window | J. W. Campbell | 214, 882 | Apr. 29, 1879 | 1367 | 380 | 15 | 679 |
| Cornice-truss, Window | J. W. Campbell | 216, 376 | June 10, 1879 | 428 | 121 | 15 | 946 |
| Cornices of paper, &c., Constructing | J. M. Byron | 212, 589 | Feb. 25, 1879 | 920 | 254 | 15 | 260 |
| Corpse-cooler | M. A. Frost | 214, 998 | May 6, 1879 | 18 | 6 | 15 | 705 |
| Corpse-cooler | W. White | 221, 642 | Nov. 11, 1879 | 578 | 161 | 16 | 902 |
| Corpse cooler or casket | E. Holmes | 211, 907 | Feb. 4, 1879 | 96 | 28, 29 | 15 | 138 |
| Corset | W. L. Ahrens | 214, 074 | Apr. 8, 1879 | 420 | 118 | 15 | 532 |
| Corset | J. D. Banfield | 217, 721 | July 22, 1879 | 913 | 261 | 16 | 150 |
| Corset | E. W. Bigelow | 215, 560 | May 20, 1879 | 685 | 201 | 15 | 804 |
| Corset | J. Bowers | 220, 014 | Sept. 30, 1879 | 1102 | 305 | 16 | 591 |
| Corset | E. K. Bullock | 221, 393 | Nov. 11, 1879 | 299 | 82 | 16 | 862 |
| Corset | C. H. Carlson | 213, 094 | Mar. 11, 1879 | 396 | 110 | 15 | 355 |
| Corset | L. M. and M. D. Chipley | 216, 555 | June 17, 1879 | 623 | 177 | 15 | 981 |
| Corset | G. H. Clarke | 216, 150 | June 3, 1879 | 148 | 44 | 15 | 904 |
| Corset | M. Cohn | 217, 512 | July 15, 1879 | 663 | 189 | 16 | 108 |
| Corset | J. S. Crotty | 222, 624 | Dec. 16, 1879 | 603 | 172 | 16 | 1110 |
| Corset | L. H. Foy | 214, 247 | Apr. 15, 1879 | 620 | 175 | 15 | 568 |
| Corset | R. W. Gray | 218, 257 | Aug. 5, 1879 | 170 | 46 | 16 | 243 |
| Corset | C. A. House | 222, 908 | Dec. 23, 1879 | 930 | 267 | 16 | 1169 |
| Corset | G. Schilling and S. Florsheim | 222, 082 | Nov. 25, 1879 | 1105 | 311 | 16 | 990 |

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|---|---|---|---|---|---|---|---|
| Corset | J. C. Tallman | 212,118 | Feb. 11,1879 | 347 | 95 | 15 | 172 |
| Corset | J. C. Tallman | 213,358 | Mar. 18,1879 | 696 | 194 | 15 | 403 |
| Corset | J. C. Tallman | 213,469 | Mar. 18,1879 | 796 | 225 | 15 | 417 |
| Corset | J. C. Tallman | 218,081 | July 29,1879 | 1315 | 377 | 16 | 210 |
| Corset | W. Thomas | 212,411 | Feb. 18,1879 | 682 | 190 | 15 | 220 |
| Corset | E. J. Wood | 221,648 | Nov. 11,1879 | 583 | 163 | 16 | 902 |
| Corset, Abdominal | J. C. Cook | 220,806 | Oct. 21,1879 | 701 | 185 | 16 | 744 |
| Corset, Abdominal | M. A. Day | 217,348 | July 8,1879 | 474 | 138 | 16 | 72 |
| Corset-busk | J. B. Atwood | 221,658 | Nov. 18,1879 | 603 | 169 | 16 | 913 |
| Corset-clasp | A. B. Curtis | 221,533 | Nov. 11,1879 | 467 | 127 | 16 | 885 |
| Corset-clasp | L. H. Daloz | 214,891 | Apr. 29,1879 | 1378 | 383 | 15 | 680 |
| Corset, Front-lace | Z. Taylor | 218,839 | Aug. 26,1879 | 875 | 246 | 16 | 368 |
| Corset-spring | F. Meinberg | 214,512 | Apr. 22,1879 | 949 | 268 | 15 | 618 |
| Corset-steel | J. Beckel | 214,352 | Apr. 15,1879 | 753 | 210 | 15 | 585 |
| Corset-steel | P. Laflin | 218,386 | Aug. 12,1879 | 324 | 89 | 16 | 274 |
| Corset-steel | E. M. Smith | 212,520 | Feb. 18,1879 | 828 | 230 | 15 | 239 |
| Corset-steel fastening | L. Hill | 222,400 | Dec. 9,1879 | 319 | 90 | 16 | 1063 |
| Corsets, Bone-pocket for | W. A. Nettleton | 215,655 | May 20,1879 | 791 | 232 | 15 | 818 |
| Cot and bed bottom, Spring | E. Olmstead | 215,475 | May 15,1879 | 590 | 174 | 15 | 791 |
| Cot, Folding | C. H. Dunks | 211,720 | Jan. 28,1879 | 768 | 215 | 15 | 105 |
| Cotton and hay press | W. Adair | 220,328 | Oct. 7,1879 | 132 | 36 | 16 | 653 |
| Cotton and hay press | G. Cooper | 219,223 | Sept. 2,1879 | 188 | 56 | 16 | 436 |
| Cotton and hay press | A. A. Gehrt | 220,019 | Sept. 30,1879 | 1108 | 306, 307 | 16 | 592 |
| Cotton and hay press | H. C. Green | 222,038 | Nov. 25,1879 | 1056 | 295 | 16 | 983 |
| Cotton and hay press | J. K. Hawkins | 215,817 | May 27,1879 | 975 | 285 | 15 | 850 |
| Cotton and hay press | W. A. O'Callaghan | 214,838 | Apr. 29,1879 | 1321 | 369 | 15 | 673 |
| Cotton and hay press | H. N. Reid | 215,296 | May 13,1879 | 390 | 116 | 15 | 754 |
| Cotton and hay press | J. Rossell | 218,777 | Aug. 19,1879 | 776 | 221 | 16 | 345 |
| Cotton and hay press | R. T. Smithson | 211,599 | Jan. 21,1879 | 613 | 173 | 15 | 81 |
| Cotton-chopper | I. F. Bobo | 216,825 | June 24,1879 | 943 | 268 | 15 | 1032 |
| Cotton-chopper | R. L. Lee | 218,387 | Aug. 12,1879 | 325 | 89 | 16 | 275 |
| Cotton-chopper | W. W. Sauls | 221,106 | Oct. 28,1879 | 1056 | 280 | 16 | 800 |
| Cotton-chopper | W. T. Young and W. D. Moody | 213,489 | Mar. 18,1879 | 816 | 230 | 15 | 419 |
| Cotton chopper and cultivator, Combined | J. P. Prairie | 221,608 | Nov. 11,1879 | 543 | 150 | 16 | 897 |
| Cotton-cleaner | G. Gay and W. Kellis | 211,654 | Jan. 28,1879 | 694 | 194 | 15 | 95 |
| Cotton-cleaner | M. S. Hasie | 219,259 | Sept. 2,1879 | 235 | 67 | 16 | 442 |
| Cotton-cleaner | J. W. Thorn | 221,431 | Nov. 11,1879 | 342 | 94 | 16 | 868 |
| Cotton-gin | J. F. Means | 220,854 | Oct. 21,1879 | 747 | 199 | 16 | 750 |
| Cotton-gin | W. S. Reeder | 215,676 | May 20,1879 | 811 | 237 | 15 | 821 |
| Cotton-gin | H. N. Reid | 222,366 | Dec. 9,1879 | 285 | 79 | 16 | 1058 |
| Cotton-gin | F. E. Smith | 220,880 | Oct. 21,1879 | 778 | 207 | 16 | 754 |
| Cotton-gin feeder | I. F. Brown | 220,336 | Oct. 7,1879 | 140 | 38 | 16 | 654 |
| Cotton-gin hopper | E. G. Horne | 218,270 | Aug. 5,1879 | 182 | 49 | 16 | 245 |
| Cotton-gin rib | J. A. Smiley | 216,903 | June 24,1879 | 1029 | 292 | 15 | 1043 |
| Cotton, Glycero-ferrated | C. G. Am Ende | 211,206 | Jan. 7,1879 | 138 | ..... | 15 | 19 |
| Cotton, hay, &c., Press for | W. J. F. Liddell | 214,046 | Apr. 8,1879 | 367 | 104 | 15 | 527 |
| Cotton-opener | R. Kitson | 222,410 | Dec. 9,1879 | 330 | 93 | 16 | 1064 |
| Cotton-openers, Beater for | R. Gillmon | 223,039 | Dec. 30,1879 | 1080 | 308 | 16 | 1200 |
| Cotton-picker | T. C. Craven | 217,993 | July 29,1879 | 1216 | 349 | 16 | 197 |
| Cotton-picker, Hand | T. W. Ham | 220,607 | Oct. 14,1879 | 462 | 120 | 16 | 705 |
| Cotton-picking machine | F. F. Trenks | 221,755 | Nov. 18,1879 | 712 | 199 | 16 | 928 |
| Cotton-press | J. Brown | 220,216 | Oct. 7,1879 | 5 | 2 | 16 | 635 |
| Cotton-press | W. J. Butts | 214,619 | Apr. 22,1879 | 1065 | 298 | 15 | 633 |
| Cotton-press | G. Cooper | 217,776 | July 22,1879 | 965 | 277 | 16 | 158 |
| Cotton, &c., press | R. Farley | 217,520 | July 15,1879 | 669 | 191 | 16 | 109 |
| Cotton-press | J. J. Hines | 211,734 | Jan. 28,1879 | 783 | 220 | 15 | 107 |
| Cotton-press | C. H. Langill | 221,683 | Nov. 18,1879 | 632 | 177 | 16 | 917 |
| Cotton-press | M. C. Lively | 217,886 | July 29,1879 | 1104 | 317 | 16 | 183 |
| Cotton-press | J. H. Matthews and C. R. Morehead, jr. | 214,163 | Apr. 8,1879 | 505 | 143, 144 | 15 | 544 |
| Cotton-press | A. J. Miller | 221,691 | Nov. 18,1879 | 640 | 179 | 16 | 918 |
| Cotton-press | T. Quinn | 219,517 | Sept. 9,1879 | 526 | 147 | 16 | 488 |
| Cotton-press | J. J. Stopple | 216,908 | June 24,1879 | 1034 | 294 | 15 | 1044 |
| Cotton-press | T. B. Taylor | 213,470 | Mar. 18,1879 | 797 | 225 | 15 | 417 |
| Cotton-press, Steam | R. Stenhouse | 215,076 | May 6,1879 | 104 | 31 | 15 | 716 |
| Cotton-sack protector | D. W. Bulluck | 214,880 | Apr. 29,1879 | 1366 | 380 | 15 | 679 |
| Cotton-scraper | L. W. Carraway | 220,700 | Oct. 21,1879 | 573 | 153 | 16 | 728 |
| Cotton-scraper | A. R. Hill | 222,905 | Dec. 23,1879 | 926 | 266 | 16 | 1168 |
| Cotton-scraper | J. M. Richards | 222,367 | Dec. 9,1879 | 286 | 80 | 16 | 1058 |
| Cotton scraper, chopper, and dirter | S. A. De Force and W. V. McConnell. | 222,255 | Dec. 2,1879 | 162 | 42 | 16 | 1031 |
| Cotton-separator | R. R. Gwathney | 211,566 | Jan. 21,1879 | 573 | 162 | 15 | 76 |
| Cotton-sprinkler | J. Schier | 221,617 | Nov. 11,1879 | 553 | 152 | 16 | 898 |
| Cotton-tie fastener | J. D. Moore | 216,096 | June 3,1879 | 94 | 28 | 15 | 897 |
| Cotton wing-sweep | C. E. Estes | 217,597 | July 15,1879 | 760 | 216 | 16 | 121 |
| Cotton, wool, &c., drier | J. H. Wickes | 211,821 | Jan. 28,1879 | 881 | 248 | 15 | 120 |
| Couch | B. F. Dare | 219,697 | Sept. 16,1879 | 739 | 204 | 16 | 524 |
| Counter-support, Metallic | C. E. Bigelow | 223,026 | Dec. 30,1879 | 1069 | 305 | 16 | 1198 |
| Counting-register | G. C. King | 215,133 | May 6,1879 | 181 | 51 | 15 | 724 |
| Counting-register | E. Stalmann | 217,827 | July 22,1879 | 1023 | 294 | 16 | 165 |
| Coupling: *See* Car-coupling. Carriage-coupling. Clutch-coupling. Flange-coupling. Harness-coupling. Harrow-coupling. Hose-coupling. Hose and pipe coupling. Lightning-rod coupling. Penetrable coupling. Pipe-coupling. Plow and cultivator coupling. Pump-joint coupling. Rope-coupling. Shaft-coupling. Shaft and sleeve coupling. Single-tree coupling. Stove-pipe coupling. Thill-coupling. Tug-coupling. Universal-joint coupling. | | | | | | | |

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| Coupling—Continued: *See* Vacuum-brake-pipe coupling. Whiffletree-coupling. Yoke-coupling. | | | | | | | |
| Coupling | D. W. Clark | 221, 908 | Nov. 25, 1879 | 913 | 256 | 16 | 964 |
| Coupling device for lines, &c | B. Bird | 218, 363 | Aug. 12, 1879 | 299 | 82 | 16 | 271 |
| Coupling for shafting, tubing, &c | A. Faust | 218, 723 | Aug. 19, 1879 | 715 | 204 | 16 | 337 |
| Cowl: *See* Chimney-cowl. | | | | | | | |
| Cows from kicking, Device for preventing | T. A. Watrous | 218, 096 | July 29, 1879 | 1330 | 382 | 16 | 212 |
| Cradle | V. A. Menuez | 216, 432 | June 10, 1879 | 487 | 139 | 15 | 953 |
| Cradle | A. S. Reisor | 212, 982 | Mar. 4, 1879 | 248 | 68 | 15 | 329 |
| Cradle, Automatic | H. I. Hotchkiss | 219, 816 | Sept. 23, 1879 | 886 | 244 | 16 | 553 |
| Cradle, Platform | F. Mohr | 220, 857 | Oct. 21, 1879 | 750 | 200 | 16 | 751 |
| Crane, Mail-bag | H. M. Hall | 213, 750 | Apr. 1, 1879 | 22 | 7 | 15 | 476 |
| Crane, Traveling | J. B. C. Gougeul | 219, 691 | Sept. 16, 1879 | 731 | 202, 203 | 16 | 522 |
| Crank, Automatically and positively adjustable | W. H. Clark | 215, 435 | May 20, 1879 | 540 | 159 | 15 | 784 |
| Crank, Self-adjusting | J. Hastie | 220, 375 | Oct. 7, 1879 | 185 | 49 | 16 | 660 |
| Crate: *See* Egg-crate. Skeleton-crate. | | | | | | | |
| Crayon-holder and watch-key, Combined | J. Hoffman | 218, 267 | Aug. 5, 1879 | 179 | 48 | 16 | 244 |
| Cream of tartar, Manufacture of | E. Muller | 222, 598 | Dec. 16, 1879 | 570 | 162 | 16 | 1106 |
| Cream-raising apparatus | J. J. Lockwood | 214, 410 | Apr. 15, 1879 | 816 | 229 | 15 | 593 |
| Cream-raising can | W. E. Lincoln | 222, 828 | Dec. 23, 1879 | 836 | 239 | 16 | 1155 |
| Creamer, Self | G. A. Evans | 214, 762 | Apr. 29, 1879 | 1230 | 345 | 15 | 661 |
| Creaming-can | J. S. Farley | 221, 293 | Nov. 4, 1879 | 167 | 46 | 16 | 835 |
| Cremation purposes, Building for | O. Ernst | 222, 260 | Dec. 2, 1879 | 165 | 43 | 16 | 1031 |
| Crib and bedstead, Interconvertible | S. S. Burr | 222, 378 | Dec. 9, 1879 | 297 | 82 | 16 | 1060 |
| Crib, Folding | D. Walker | 217, 716 | July 22, 1879 | 908 | 259 | 16 | 150 |
| Cribbage-board | C. W. Le Count | 219, 280 | Sept. 2, 1879 | 256 | 72 | 16 | 444 |
| Cribbage-box | M. Greenspecht | 213, 045 | Mar. 11, 1879 | 331 | 93 | 15 | 348 |
| Crimping-machine | C. Van Housen | 214, 972 | Apr. 29, 1879 | 1456 | 405 | 15 | 691 |
| Crochet-needle | W. Ross | 215, 979 | May 27, 1879 | 1148 | 333 | 15 | 872 |
| Croquet-scoring apparatus | W. B. Lewis | 212, 020 | Feb. 4, 1879 | 221 | 62 | 15 | 154 |
| Cross-bow | H. W. Randall | 214, 791 | Apr. 29, 1879 | 1268 | 355 | 15 | 666 |
| Crozing-machine | O. J. Pennell | 217, 021 | July 1, 1879 | 101 | 30 | 16 | 16 |
| Crucible and pottery mold | W. Driscoll | 217, 593 | July 15, 1879 | 755 | 215 | 16 | 120 |
| Crucible-furnace | E. P. Reichhelm and C. F. Koester | 223, 007 | Dec. 30, 1879 | 1048 | 300 | 16 | 1195 |
| Crucibles, &c., Machine for making plumbago | E. T. Dravo | 221, 672 | Nov. 18, 1879 | 618 | 173 | 16 | 915 |
| Crucibles and other vessels in plumbago, suitable for chemical and metallurgical purposes, Manufacture of plumbago. | S. A. Peto | 217, 295 | July 8, 1879 | 414 | ..... | 16 | 65 |
| Cruet-stopple, Spray | C. P. Crossman | 211, 227 | Jan. 7, 1879 | 165 | 49 | 15 | 22 |
| Crusher: *See* Ore and rock crusher. Seed-crusher. Quartz-crusher. Stone-crusher. Rock-crusher. | | | | | | | |
| Crushing and grinding grain, Roller apparatus for | W. Braun | 211, 292 | Jan. 14, 1879 | 250 | 73 | 15 | 33 |
| Crushing and grinding rock, &c., Machine for | W. C. Morison | 217, 474 | July 15, 1879 | 622 | 178 | 16 | 103 |
| Crushing and pulverizing mill | J. T. Davis | 217, 075 | July 1, 1879 | 169 | 49 | 16 | 24 |
| Crushing-roll | J. Peters and A. Gardiner | 211, 179 | Jan. 7, 1879 | 107 | 34 | 15 | 15 |
| Cuff | J. H. Buss | 220, 519 | Oct. 14, 1879 | 354 | 93 | 16 | 691 |
| Cuff | J. H. Buss | 220, 573 | Oct. 14, 1879 | 426 | 110 | 16 | 700 |
| Cuff-holder | C. F. Doring | 216, 158 | June 3, 1879 | 155 | 46 | 15 | 904 |
| Cuff holder | C. F. Doring | 216, 383 | June 10, 1879 | 433 | 123 | 15 | 947 |
| Cuff-holder | D. A. Johnson | 217, 008 | July 1, 1879 | 85 | 26 | 16 | 13 |
| Cuffs, Box for displaying | S. W. Wilson | 222, 559 | Dec. 9, 1879 | 509 | 143 | 16 | 1087 |
| Culinary apparatus | R. J. Gatling | 222, 351 | Dec. 9, 1879 | 271 | 75 | 16 | 1056 |
| Culinary implement | H. Turner | 211, 357 | Jan. 14, 1879 | 337 | 98 | 15 | 44 |
| Culinary vessel | G. Milsom and R. Heneage | 214, 833 | Apr. 29, 1879 | 1312 | 367 | 15 | 672 |
| Cultivating-machine | C. E. Sackett | 219, 115 | Sept. 2, 1879 | 63 | 20, 21 | 16 | 421 |
| Cultivator | S. Bailey | 211, 646 | Jan. 28, 1879 | 683 | 192 | 15 | 94 |
| Cultivator | E. A. Baird and A. T. Gale | 211, 314 | Jan. 14, 1879 | 290 | 86 | 15 | 38 |
| Cultivator | H. Bloedel | 222, 446 | Dec. 9, 1879 | 372 | 105 | 16 | 1069 |
| Cultivator | W. P. Brown | 220, 463 | Oct. 14, 1879 | 288 | 77 | 16 | 683 |
| Cultivator | W. P. Brown | 220, 571 | Oct. 14, 1879 | 424 | 110 | 16 | 700 |
| Cultivator | J. L. Buskett | 218, 482 | Aug. 12, 1879 | 440 | 122 | 16 | 290 |
| Cultivator | O. A. Crain | 215, 885 | May 27, 1879 | 1052 | 307 | 15 | 860 |
| Cultivator | L. Davis, jr | 214, 113 | Apr. 8, 1879 | 456 | 129 | 15 | 537 |
| Cultivator | J. J. Deal | 219, 227 | Sept. 2, 1879 | 195 | 57 | 16 | 437 |
| Cultivator | W. H. Dickey | 214, 373 | Apr. 15, 1879 | 778 | 219 | 15 | 588 |
| Cultivator | W. H. Dickey | 215, 106 | May 6, 1879 | 138 | 41 | 15 | 720 |
| Cultivator | J. Dierdorff | 221, 289 | Nov. 4, 1879 | 163 | 45 | 16 | 835 |
| Cultivator | J. M. Elder | 222, 391 | Dec. 9, 1879 | 311 | 87 | 16 | 1062 |
| Cultivator | T. M. Flenniken and A. Hall | 212, 546 | Feb. 25, 1879 | 873 | 241 | 15 | 253 |
| Cultivator | P. Gerges | 221, 803 | Nov. 18, 1879 | 782 | 218 | 16 | 936 |
| Cultivator | R. F. Gibson and S. M. Cowden | 219, 710 | Sept. 16, 1879 | 752 | 208 | 16 | 526 |
| Cultivator | J. C. Guy | 211, 397 | Jan. 14, 1879 | 380 | 109 | 15 | 49 |
| Cultivator | G. Hammans | 221, 058 | Oct. 28, 1879 | 1005 | 267 | 16 | 793 |
| Cultivator | C. Hardgrave | 218, 526 | Aug. 12, 1879 | 490 | 137 | 16 | 297 |
| Cultivator | C. Hardgrave | 218, 527 | Aug. 12, 1879 | 490 | 137 | 16 | 297 |
| Cultivator | R. S. Harris | 217, 282 | July 8, 1879 | 402 | 119 | 16 | 63 |
| Cultivator | M. Holdredge | 222, 783 | Dec. 23, 1879 | 787 | 226 | 16 | 1148 |
| Cultivator | S. B. Holly and J. Jones | 214, 138 | Apr. 8, 1879 | 482 | 137 | 15 | 541 |
| Cultivator | J. H. Johnson | 218, 274 | Aug. 5, 1879 | 187 | 50 | 16 | 246 |
| Cultivator | W. Jones | 215, 931 | May 27, 1879 | 1103 | 320 | 15 | 866 |
| Cultivator | F. B. Kendall | 214, 825 | Apr. 29, 1879 | 1306 | 365 | 15 | 671 |
| Cultivator | W. A. Knowlton | 211, 098 | Jan. 7, 1879 | 20 | 7 | 15 | 3 |
| Cultivator | C. McGrew | 213, 341 | Mar. 18, 1879 | 678 | 190 | 15 | 401 |
| Cultivator | H. S Mead | 216, 283 | June 10, 1879 | 314 | 93 | 15 | 931 |
| Cultivator | J. M. Mitchell | 215, 385 | May 13, 1879 | 469 | 141 | 15 | 766 |
| Cultivator | W. S. Moon | 222, 719 | Dec. 16, 1879 | 708 | 203 | 16 | 1126 |
| Cultivator | G. Moore | 217, 811 | July 22, 1879 | 1004 | 288 | 16 | 163 |
| Cultivator | A. and C. A. Norling | 220, 985 | Oct. 28, 1879 | 920 | 245 | 16 | 782 |
| Cultivator | O. Olson | 218, 561 | Aug. 12, 1879 | 527 | 148 | 16 | 303 |

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|---|---|---|---|---|---|---|---|
| Cultivator | G. W. Peterson | 216,449 | June 10, 1879 | 598 | 144 | 15 | 957 |
| Cultivator | W. Pendley | 222,940 | Dec. 23, 1879 | 964 | 277 | 16 | 1173 |
| Cultivator | R. B. Robbins | 218,454 | Aug. 12, 1879 | 399 | 110 | 16 | 285 |
| Cultivator | E. Ruhlmann | 212,575 | Feb. 25, 1879 | 907 | 250 | 15 | 258 |
| Cultivator | P. S. Russell | 211,792 | Jan. 28, 1879 | 853 | 238 | 15 | 116 |
| Cultivator | C. E. Sackett | 219,116 | Sept. 2, 1879 | 65 | 21 | 16 | 421 |
| Cultivator | C. Stephens | 218,407 | Aug. 12, 1879 | 342 | 94 | 16 | 277 |
| Cultivator | A. B. Travis | 219,882 | Sept. 23, 1879 | 947 | 262 | 16 | 561 |
| Cultivator | D. Unthank | 222,550 | Dec. 9, 1879 | 590 | 141 | 16 | 1086 |
| Cultivator | I. Utter | 219,326 | Sept. 2, 1879 | 310 | 87 | 16 | 451 |
| Cultivator and corn-planter | W. H. Swartout and G. W. Hartley. | 211,871 | Feb. 4, 1879 | 56 | 17 | 15 | 133 |
| Cultivator and cultivator-tooth | G. W. Goodwyn | 222,893 | Dec. 23, 1879 | 910 | 262 | 16 | 1166 |
| Cultivator and plow | W. P. Bettendorf | 219,381 | Sept. 9, 1879 | 381 | 107 | 16 | 468 |
| Cultivator, Carriage | T. Meikle | 213,675 | Mar. 25, 1879 | 1035 | 294 | 15 | 455 |
| Cultivator, Cotton | R. W. Spencer | 222,541 | Dec. 9, 1879 | 487 | 137 | 16 | 1084 |
| Cultivator-fender | A. and M. Simmons | 213,948 | Apr. 1, 1879 | 226 | 67 | 15 | 502 |
| Cultivator, harrow, and seed-sower | J. Hugill | 218,975 | Aug. 26, 1879 | 1027 | 289 | 16 | 389 |
| Cultivator-shovels, Repairing | J. Lahr | 222,511 | Dec. 9, 1879 | 452 | 129 | 16 | 1080 |
| Cultivator, Sulky | N. J. Trenery and J. L. Sisley | 218,840 | Aug. 26, 1879 | 877 | 247 | 16 | 368 |
| Cultivator, Wheel | N. T. Remy | 211,786 | Jan. 28, 1879 | 845 | 236 | 15 | 115 |
| Cultivator, Wheel | A. Sanders | 213,943 | Apr. 1, 1879 | 222 | 65 | 15 | 501 |
| Cultivator, Wheel | J. Wagner, jr | 217,914 | July 29, 1879 | 1135 | 324 | 16 | 186 |
| Cultivator, Wheel | E. A. Wright | 222,767 | Dec. 16, 1879 | 754 | 217 | 16 | 1132 |
| Cup: *See* Dental impression-cup. Drinking-cup. Egg-cup. Mustache-cup. Oil-cup. Pocket-cup. Sponge-cup. Tallow-cup. Umbrella drip-cup. Umbrella-tip cup. Well-cup. | | | | | | | |
| Cupel-furnace | S. G. Wight | 220,895 | Oct. 21, 1879 | 792 | 212 | 16 | 757 |
| Cupola-furnace | E. C. Atkins | 221,995 | Nov. 25, 1879 | 1014 | 284 | 16 | 977 |
| Curd-cutter | H. H. Potter | 218,450 | Aug. 12, 1879 | 395 | 109 | 16 | 284 |
| Curd separator and cooler | E. Tyhurst | 218,906 | Aug. 26, 1879 | 956 | 268 | 16 | 379 |
| Curling-iron heater | E. S. Orne | 218,827 | Aug. 26, 1879 | 856 | 241 | 16 | 366 |
| Current-motor | W. W. Cleveland | 216,151 | June 3, 1879 | 149 | 44 | 15 | 904 |
| Curry-comb | T. Fairchild and C. Hazeltine | 215,110 | May 6, 1879 | 152 | 43 | 15 | 721 |
| Curry-comb | E. Harris | 221,962 | Nov. 25, 1879 | 980 | 274 | 16 | 973 |
| Curry-comb | C. E. L. Holmes and W. E. Lawrence. | 223,137 | Dec. 30, 1879 | 1201 | 339 | 16 | 1216 |
| Curry-comb | P. Plant | 220,986 | Oct. 28, 1879 | 922 | 246 | 16 | 782 |
| Curry-comb and brush | J. Gawthorpe | 218,812 | Aug. 26, 1879 | 841 | 236 | 16 | 363 |
| Curtain, Adjustable window | J. G. Mitchell | 211,339 | Jan. 14, 1879 | 319 | 94 | 15 | 42 |
| Curtain-cord fastener | E. W. Folsom | 216,733 | June 24, 1879 | 836 | 238 | 15 | 1019 |
| Curtain-drying frame | B. F. Wood | 218,103 | July 29, 1879 | 1341 | 384 | 16 | 213 |
| Curtain-fixture | C. Buckley and L. L. Sawyer | 217,578 | July 15, 1879 | 734 | 210 | 16 | 118 |
| Curtain-fixture | C. Buckley and L. L. Sawyer | 219,386 | Sept. 9, 1879 | 388 | 108 | 16 | 469 |
| Curtain-fixture | J. W. Core | 220,807 | Oct. 21, 1879 | 702 | 185 | 16 | 744 |
| Curtain-fixture | C. Cretors | 215,809 | May 27, 1879 | 965 | 283 | 15 | 849 |
| Curtain-fixture | J. K. Davison | 211,890 | Feb. 4, 1879 | 76 | 22 | 15 | 135 |
| Curtain-fixture | C. L. Gates | 215,218 | May 13, 1879 | 287 | 84 | 15 | 741 |
| Curtain-fixture | J. S. Henry | 213,417 | Mar. 18, 1879 | 751 | 211 | 15 | 410 |
| Curtain-fixture | C. A. Kellogg | 219,270 | Sept. 2, 1879 | 245 | 69 | 16 | 443 |
| Curtain-fixture | J. W. Macy | 219,490 | Sept. 9, 1879 | 497 | 138 | 16 | 484 |
| Curtain-fixture | J. W. Macy | 219,747 | Sept. 16, 1879 | 786 | 217 | 16 | 530 |
| Curtain-fixture | G. C. Mathers | 213,917 | Apr. 1, 1879 | 209 | 58 | 15 | 498 |
| Curtain-fixture | H. H. Meade | 215,233 | May 13, 1879 | 303 | 89 | 15 | 743 |
| Curtain-fixture | W. C. Sharp | 215,484 | May 20, 1879 | 601 | 176 | 15 | 792 |
| Curtain-fixture | A. B. Shaw | 222,204 | Dec. 2, 1879 | 99 | 25 | 16 | 1022 |
| Curtain-fixture | A. F. Temple | 219,185 | Sept. 2, 1879 | 138 | 42 | 16 | 430 |
| Curtain-fixture | R. D. Whitaker | 213,269 | Mar. 11, 1879 | 583 | 162 | 15 | 380 |
| Curtain-fixture, Balance | J. M. Osgood | 216,692 | June 17, 1879 | 775 | 221 | 15 | 1091 |
| Curtain-fixture, Spring | S. S. Putnam | 220,987 | Oct. 28, 1879 | 923 | 246 | 16 | 782 |
| Curtain-roller and bracket | T. Barrett and G. Knapp | 220,787 | Oct. 21, 1879 | 680 | 180 | 16 | 741 |
| Curtain-roller and bracket | W. H. Park and E. C. Gleason | 211,343 | Jan. 14, 1879 | 322 | 95 | 15 | 42 |
| Curtain-roller and bracket | A. B. Shaw | 211,673 | Jan. 28, 1879 | 714 | 199 | 15 | 98 |
| Curtain-roller bracket | L. H. Gano | 212,548 | Feb. 25, 1879 | 875 | 242 | 15 | 253 |
| Curtain-roller, Spring | T. Barrett | 220,786 | Oct. 21, 1879 | 679 | 180 | 16 | 741 |
| Cushion: *See* Air-cushion. Millstone-cushion. Railway-bearing cushion. | | | | | | | |
| Cuspadore | G. Pettit, jr | 221,740 | Nov. 18, 1879 | 696 | 195 | 16 | 926 |
| Cut-off | W. Sims | 211,799 | Jan. 28, 1879 | 860 | 240 | 15 | 117 |
| Cut-off, Adjustable | T. E. L. Collins | 214,366 | Apr. 15, 1879 | 767 | 214 | 15 | 587 |
| Cut-off and valve, Waste-pipe | A. Levake and S. N. Grubb | 211,917 | Feb. 4, 1879 | 109 | 31 | 15 | 140 |
| Cut-off cam, Combined | J. Garrity | 220,278 | Oct. 7, 1879 | 75 | 20 | 16 | 645 |
| Cut-off for steam-engines, Automatic | G. H. Cobb | 213,392 | Mar. 18, 1879 | 727 | 204 | 15 | 407 |
| Cut-off gearing | N. W. Twiss | 220,294 | Oct. 7, 1879 | 95 | 25 | 16 | 648 |
| Cut-off, Rain-water | J. A. Le Blanc | 212,285 | Feb. 11, 1879 | 529 | 1118 | 15 | 196 |
| Cut-off, Rain-water or other | J. A. Lyons | 212,958 | Mar. 4, 1879 | 222 | 61 | 15 | 325 |
| Cut-off, Steam-engine | P. A. and I. S. Knapp | 215,369 | May 13, 1879 | 456 | 137 | 15 | 764 |
| Cut-off, Steam-engine | A. A. Stewart | 213,534 | Mar. 25, 1879 | 874 | 249 | 15 | 434 |
| Cutlery | J. J. C. Smith | 219,416 | Sept. 9, 1879 | 425 | 118 | 16 | 474 |
| Cutlery, Attachment of handles to | H. Fisher | 214,641 | Apr. 22, 1879 | 1086 | 304 | 15 | 636 |
| Cutlery-handle | T. Strobridge | 219,996 | Sept. 23, 1879 | 1074 | 298 | 16 | 579 |
| Cutlery, Pocket | J. D. Frary | 217,603 | July 15, 1879 | 766 | 218 | 16 | 122 |
| Cutlery, Pocket | J. B. H. Leonard | 217,623 | July 15, 1879 | 786 | 223 | 16 | 124 |
| Cutlery-scourer | H. P. T. D. St. Leger | 217,714 | July 22, 1879 | 906 | 259 | 16 | 150 |
| Cutter: *See* Band-cutter. Billiard-cue cutter. Bolt-cutter. Button-hole cutter. Cheese-cutter. Cigar-cutter. Corn-stalk cutter. Corn-stub cutter. Curd-cutter. Feed-cutter. | | | | | | | |

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| Cutter—Continued: Feed and vegetable cutter. Peg-cutter. Pipe-cutter. Finger-nail cutter. Plow-cutter. Fine-cutter. Potato-cutter. Harvester-cutter. Rattan-cutter. Hay and straw cutter. Rod and bolt cutter. Stalk-cutter. Meat-cutter. Straw-cutter. Meat and vegetable cutter. Tobacco-cutter. Tube-cutter. Miter-cutter. Vegetable-cutter. Paper-cutter. Washer-cutter. Peach-cutter. Wire-cutter. | | | | | | | |
| Cutter-head | F. Krein | 222, 510 | Dec. 9, 1879 | 451 | 129 | 16 | 1080 |
| Cutter-head, Reversible | S. J. and G. J. Shimer | 211, 480 | Jan. 21, 1879 | 474 | 134 | 15 | 64 |
| Cutter-head, Rotary | M. V. Bavis | 221, 020 | Oct. 28, 1879 | 961 | 256 | 16 | 787 |
| Cutters, Apparatus for shaping | J. A. Houlihan | 211, 908 | Feb. 4, 1879 | 98 | 29 | 15 | 138 |
| Cutting and intrenching tool | E. L. Zalinski | 220, 012 | Sept. 23, 1879 | 1093 | 303 | 16 | 582 |
| Cutting apparatus | F. Shoemaker | 220, 256 | Oct. 7, 1879 | 52 | 14 | 16 | 641 |
| Cutting-gage | J. W. Newkirk | 217, 236 | July 8, 1879 | 357 | 105 | 16 | 57 |
| Cylinder lubricator, Steam | J. Barry | 211, 881 | Feb. 4, 1879 | 67 | 20 | 15 | 134 |
| Cylinders, cutter-heads, &c., Device for balancing | C. Seymour | 216, 228 | June 3, 1879 | 227 | 67 | 15 | 913 |
| Cylindrical and coil boiler | G. F. Brott | 211, 649 | Jan. 28, 1879 | 686 | 193 | 15 | 94 |
| D. | | | | | | | |
| Dam | D. Tufts | 213, 957 | Apr. 1, 1879 | 240 | 70 | 15 | 503 |
| Damper | A. J. Redway | 214, 523 | Apr. 22, 1879 | 964 | 271 | 15 | 620 |
| Damper and case, Stove-pipe | A. C. Norcross | 219, 111 | Sept. 2, 1879 | 51 | 19 | 16 | 420 |
| Damper and ventilator, Smoke-pipe | E. Lambur | 221, 075 | Oct. 28, 1879 | 1021 | 271 | 16 | 795 |
| Damper, Automatic | H. W. Taber | 218, 596 | Aug. 12, 1879 | 563 | 159 | 16 | 308 |
| Damper, Automatic hot and cold air | J. W. Crary | 222, 387 | Dec. 9, 1879 | 308 | 86 | 16 | 1061 |
| Damper for stoves and furnaces | J. S. Brady | 214, 875 | Apr. 29, 1879 | 1361 | 379 | 15 | 678 |
| Damper-regulator | W. E. Kelly | 217, 879 | July 29, 1879 | 1097 | 315 | 16 | 182 |
| Damper-regulator for furnaces | D. C. Kellem | 214, 507 | Apr. 22, 1879 | 941 | 266 | 15 | 617 |
| Damper-regulator for steam-boilers | V. H. Hallock | 222, 489 | Dec. 9, 1879 | 431 | 123 | 16 | 1077 |
| Damper-regulator for steam-boilers | A. C. Harrison | 214, 656 | Apr. 22, 1879 | 1102 | 308 | 15 | 637 |
| Damper-regulator, Stove-pipe | A. A. Walker | 211, 810 | Jan. 28, 1879 | 870 | 244 | 15 | 118 |
| Damper-rods, Attachment for stove-pipe | G. H. Boszhardt | 221, 770 | Nov. 18, 1879 | 729 | 203 | 16 | 930 |
| Damper, Steam | R. B. Walker | 220, 004 | Sept. 23, 1879 | 1083 | 300 | 16 | 580 |
| Damper, Stove | J. M. Read | 222, 600 | Dec. 16, 1879 | 572 | 162 | 16 | 1106 |
| Damper, Stove-pipe | G. J. Cline | 222, 667 | Dec. 16, 1879 | 656 | 188 | 16 | 1113 |
| Dash-board | T. W. Gwinn | 214, 505 | Apr. 22, 1879 | 927 | 262 | 15 | 616 |
| Dash-board | J. E. Lines | 213, 514 | Mar. 25, 1879 | 853 | 242 | 15 | 432 |
| Dead-centers, Device for overcoming the | J. W. Mullins | 219, 295 | Sept. 2, 1879 | 273 | 77 | 16 | 446 |
| Decoy for wild fowl | E. Redmond | 217, 483 | July 15, 1879 | 632 | 180 | 16 | 104 |
| Demijohn, Swinging | J. Graves and A. W. Patrick | 211, 469 | Jan. 21, 1879 | 464 | 131 | 15 | 62 |
| Demijohns and bottles, Lock-stopper for | H. R. Gillingham | 221, 228 | Nov. 4, 1879 | 96 | 25 | 16 | 825 |
| Dental articulator | J. B. McPherson | 223, 157 | Dec. 30, 1879 | 1220 | 345 | 16 | 1218 |
| Dental bracket | E. D. Alling and J. Re Qua | 218, 210 | Aug. 5, 1879 | 120 | 32 | 16 | 236 |
| Dental chair | H. Woodbury | 213, 021 | Mar. 4, 1879 | 292 | 83 | 15 | 334 |
| Dental engine | W. H. Gates | 216, 321 | June 10, 1879 | 354 | 103 | 15 | 936 |
| Dental engine | J. Heron | 220, 834 | Oct. 21, 1879 | 730 | 194 | 16 | 747 |
| Dental engine | H. Laurence | 213, 909 | Apr. 1, 1879 | 192 | 56 | 15 | 497 |
| Dental engine | E. T. Starr | 219, 320 | Sept. 2, 1879 | 303 | 85, 86 | 16 | 450 |
| Dental engine | E. T. Starr | 222, 093 | Nov. 25, 1879 | 1122 | 316, 317 | 16 | 993 |
| Dental-engine hand-piece | B. S. Brown | 213, 167 | Mar. 11, 1879 | 482 | 133 | 15 | 366 |
| Dental-engine hand-piece | G. H. Cushing | 219, 849 | Sept. 23, 1879 | 915 | 253 | 16 | 557 |
| Dental-engine hand-piece | R. B. Donaldson | 222, 181 | Dec. 2, 1879 | 72 | 17 | 16 | 1019 |
| Dental-engine hand-piece | W. A. Johnston and A. W. Browne. | 213, 662 | Mar. 25, 1879 | 1018 | 290 | 15 | 453 |
| Dental-engine hand-piece | T. S. Phillips | 219, 873 | Sept. 23, 1879 | 938 | 259 | 16 | 560 |
| Dental-engine hand-piece and tool | G. H. Cushing | 218, 239 | Aug. 5, 1879 | 152 | 41 | 16 | 241 |
| Dental-floss carrier | A. P. Merrill | 213, 997 | Apr. 8, 1879 | 302 | 87 | 15 | 520 |
| Dental-foil package | R. S. Williams | 220, 687 | Oct. 14, 1879 | 548 | 145 | 16 | 716 |
| Dental forceps | A. Cobb | 214, 104 | Apr. 8, 1879 | 448 | 127 | 15 | 536 |
| Dental hand-piece | H. D. Justi | 215, 932 | May 27, 1879 | 1104 | 320 | 15 | 866 |
| Dental impression-cup | M. E. Toomey | 211, 438 | Jan. 14, 1879 | 430 | 121 | 15 | 55 |
| Dental plate | W. D. Holbrook | 213, 820 | Apr. 1, 1879 | 98 | 30 | 15 | 485 |
| Dental plates, &c., Apparatus for the treatment of celluloid and vulcanite in the manufacture of. | R. Brewster | 219, 382 | Sept. 9, 1879 | 382 | 107 | 16 | 468 |
| Dental plates, Process and apparatus for the manufacture of. | L. N., G. N., and L. N. Winderling. | 216, 250 | June 3, 1879 | 252 | 75 | 15 | 917 |
| Dental plugger | W. G. A. Bonwill | 212, 434 | Feb. 18, 1879 | 717 | 198 | 15 | 224 |
| Dental plugger | A. M. Denham | 219, 075 | Sept. 2, 1879 | 20 | 7 | 16 | 415 |
| Dental plugger | W. H. Dibble | 211, 652 | Jan. 28, 1879 | 693 | 194 | 15 | 95 |
| Dental plugger | H. D. Justi | 215, 226 | May 13, 1879 | 293 | 86 | 15 | 742 |
| Dental plugger | H. Richmann | 213, 134 | Mar. 11, 1879 | 439 | 122 | 15 | 361 |
| Dental plugger | C. Schaerff | 217, 412 | July 8, 1879 | 538 | 154 | 16 | 80 |
| Dental plugger | C. Schaerff | 218, 321 | Aug. 5, 1879 | 235 | 63 | 16 | 252 |
| Dental plugger | J. S. Swartley | 217, 246 | July 8, 1879 | 366 | 108 | 16 | 59 |
| Dental plugger, Electric | E. L. Paine | 216, 055 | June 3, 1879 | 54 | 15 | 15 | 891 |
| Dental plugger, Magnetic | A. Shiland | 212, 114 | Feb. 11, 1879 | 341 | 93 | 15 | 171 |
| Dental polishing and cutting tape | E. T. Starr | 217, 300 | July 8, 1879 | 419 | 124 | 16 | 66 |
| Dental saliva-ejector | G. B. Snow | 213, 356 | Mar. 18, 1879 | 693 | 194 | 15 | 403 |
| Dental use, Ribbon-gold spool for | H. Morrison | 219, 293 | Sept. 2, 1879 | 271 | 76 | 16 | 446 |
| Dental vulcanizer | J. S. Campbell | 217, 728 | July 22, 1879 | 921 | 264 | 16 | 151 |
| Dental vulcanizing-flask | A. M. White | 217, 253 | July 8, 1879 | 372 | 110 | 16 | 59 |
| Dentist's chair | E. T. Starr | 215, 075 | May 6, 1879 | 101 | 30, 31 | 15 | 715 |
| Dentist's chair | E. T. Starr | 222, 092 | Nov. 25, 1879 | 1116 | 314, 315, 316 | 16 | 992 |

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|---|---|---|---|---|---|---|---|
| Deodorizing and disinfecting, Process and apparatus for. | J. M. Hirsh | 221, 232 | Nov. 4, 1879 | 102 | 27 | 16 | 826 |
| Deodorizing-commode | D. C. Hartman | 222, 133 | Dec. 2, 1879 | 17 | 5 | 16 | 1011 |
| Derrick | E. Moore | 221, 848 | Nov. 18, 1879 | 828 | 231, 232 | 16 | 943 |
| Derrick and crane | A. N. Smith | 220, 182 | Sept. 30, 1879 | 1306 | 361 | 16 | 619 |
| Derrick for oil and other wells, Portable | B. F. Asper | 217, 316 | July 8, 1879 | 435 | 128 | 16 | 67 |
| Derrick, Portable | J. Uriell | 214, 599 | Apr. 22, 1879 | 1043 | 293 | 15 | 630 |
| Derrick-stake | R. P. Williams | 212, 775 | Feb. 25, 1879 | 1115 | 310 | 15 | 285 |
| Derrick-stake | R. P. Williams | 215, 190 | May 6, 1879 | 231 | 68 | 15 | 732 |
| Derrick, Steam hoisting | C. C. Lyman | 222, 142 | Dec. 2, 1879 | 29 | 8 | 16 | 1015 |
| Desk | A. De Bary | 215, 861 | May 27, 1879 | 1029 | 300 | 15 | 857 |
| Desk | G. H. Phillips | 219, 013 | Aug. 26, 1879 | 1066 | 300 | 16 | 394 |
| Desk and settee, School | J. H. Nichols | 214, 178 | Apr. 8, 1879 | 520 | 148 | 15 | 546 |
| Desk and sewing-machine cabinet, Combination writing. | J. W. Hosford | 219, 263 | Sept. 2, 1879 | 239 | 68 | 16 | 442 |
| Desk and work-table, Combined writing | E. Emanuel | 213, 814 | Apr. 1, 1879 | 93 | 28 | 15 | 485 |
| Desk or settee, School | J. K. Otis | 213, 587 | Mar. 25, 1879 | 937 | 267 | 15 | 442 |
| Desk, Portable writing | C. C. Shepherd | 216, 810 | June 24, 1879 | 926 | 264 | 15 | 1030 |
| Desk, School | W. A. Bradford | 214, 092 | Apr. 8, 1879 | 436 | 123 | 15 | 534 |
| Desk, School | O. D. Case | 216, 307 | June 10, 1879 | 339 | 99 | 15 | 935 |
| Desk, School | J. W. Childs | 220, 466 | Oct. 14, 1879 | 292 | 78 | 16 | 684 |
| Desk, School | C. F. Hill | 216, 676 | June 17, 1879 | 755 | 215 | 15 | 999 |
| Desk, School | D. Jackson | 222, 190 | Dec. 2, 1879 | 84 | 21 | 16 | 1020 |
| Desk, School | J. S. Rankin | 211, 521 | Jan. 21, 1879 | 524 | 147 | 15 | 70 |
| Desk, School | J. B. Sherwood | 213, 593 | Mar. 25, 1879 | 943 | 268 | 15 | 443 |
| Desks, School and other | R. T. Hoffman | 215, 620 | May 20, 1879 | 657 | 221 | 15 | 813 |
| Desulphurizer | I. M. Phelps | 215, 971 | May 27, 1879 | 1141 | 331 | 15 | 871 |
| Detecter: *See* Watchman's detecter. | | | | | | | |
| Detergent compound | H. A. S. Park | 216, 805 | June 24, 1879 | 923 | ..... | 15 | 1030 |
| Detergent compound | C. Kahn, jr | 218, 676 | Aug. 19, 1879 | 669 | ..... | 16 | 330 |
| Diamond-cutting machine | A. Hessels | 216, 955 | July 1, 1879 | 31 | 10 | 16 | 6 |
| Diamonds, Mounting | L. Taverdon | 215, 840 | May 27, 1879 | 1003 | 292 | 15 | 853 |
| Diaper-cover | C. Köhl | 219, 820 | Sept. 23, 1879 | 891 | 245 | 16 | 553 |
| Diaphragm | G. W. Gilbert and M. G. Wilder. | 219, 458 | Sept. 9, 1879 | 467 | 130 | 16 | 479 |
| Diaphragm-meter | W. B. Mounteney | 213, 680 | Mar. 25, 1879 | 1041 | 295, 296 | 15 | 456 |
| Die: *See* Brick-molding die. Wire cutting and bending die. Keel-cutting die. Screw-cutting die. | | | | | | | |
| Die for serrating the edges of uppers | E. Woodward and M. Brock | 211, 612 | Jan. 21, 1879 | 625 | 176 | 15 | 83 |
| Die-stock and tap-wrench | J. F. Whitney | 218, 205 | Aug. 5, 1879 | 115 | 31 | 16 | 236 |
| Digger: *See* Plant-digger. Potato-digger. Post-hole digger. | | | | | | | |
| Dipper, Watering | R. Harrison | 217, 371 | July 8, 1879 | 498 | 144 | 16 | 75 |
| Direct-acting engine | W. F. Garrison | 213, 890 | Apr. 1, 1879 | 174 | 51 | 15 | 495 |
| Discharge-pipe plug for wash-basins, &c | J. S. Gilbert | 213, 891 | Apr. 1, 1879 | 175 | 51 | 15 | 495 |
| Dish | G. Gardner | 218, 011 | July 29, 1879 | 1239 | 354 | 16 | 200 |
| Dish, Covered | W. E. Hawkins | 217, 461 | July 15, 1879 | 608 | 173 | 16 | 101 |
| Dish-drainer, Folding | C. E. Stearns | 222, 542 | Dec. 9, 1879 | 488 | 138 | 16 | 1084 |
| Dish heater and holder | S. R. Jarvis | 213, 904 | Apr. 1, 1879 | 187 | 54 | 15 | 496 |
| Dish of pottery-ware | I. Davis | 218, 942 | Aug. 26, 1879 | 991 | 278 | 16 | 385 |
| Dish-pan | J. F. Hutchinson | 211, 739 | Jan. 28, 1879 | 790 | 222 | 15 | 108 |
| Dish-washer | L. Warren | 216, 001 | May 27, 1879 | 1166 | 339 | 15 | 874 |
| Dish-washer | A. F. Whitney | 211, 203 | Jan. 7, 1879 | 136 | 42 | 15 | 19 |
| Dish-washing machine | S. Walker | 222, 103 | Nov. 25, 1879 | 1134 | 319 | 16 | 994 |
| Dishes and table-cutlery, Apparatus for washing | E. P. Walling | 218, 410 | Aug. 12, 1879 | 345 | 95 | 16 | 278 |
| Disinfectant and deodorizer | R. M. Caffall | 222, 453 | Dec. 9, 1879 | 379 | ..... | 16 | 1070 |
| Disinfecting apparatus for water-closets, &c | E. J. Mallett, jr | 222, 519 | Dec. 9, 1879 | 459 | 131 | 16 | 1081 |
| Disintegrating grain and distilling spirits, Apparatus for. | E. Fox | 216, 841 | June 24, 1879 | 962 | 273 | 15 | 1039 |
| Disintegrating-mill | L. J. Bennett | 211, 316 | Jan. 14, 1879 | 292 | 87 | 15 | 38 |
| Disks, Adjusting cutting | G. S. Colburn | 216, 724 | June 24, 1879 | 825 | 235 | 15 | 1018 |
| Distance-instrument | W. Allderdice | 215, 500 | May 20, 1879 | 618 | 181 | 15 | 794 |
| Distance-instrument | J. Boger | 218, 222 | Aug. 5, 1879 | 130 | 36 | 16 | 238 |
| Distance-instruments, Altitude attachment for | R. W. Burton | 219, 146 | Sept. 2, 1879 | 98 | 29 | 16 | 425 |
| Distillates, Process and apparatus for the production of. | E. T. Jenkins | 219, 733 | Sept. 16, 1879 | 774 | 213 | 16 | 529 |
| Distillation of hydrocarbon oils, Apparatus for the continuous. | W. Ryder | 214, 199 | Apr. 8, 1879 | 540 | 154, 155 | 15 | 549 |
| Distillation of oils | H. B. Everest | 212, 914 | Mar. 4, 1879 | 172 | 47 | 15 | 318 |
| Distilling petroleum, Apparatus for | J. Cole, jr | 220, 962 | Oct. 28, 1879 | 891 | 238 | 16 | 778 |
| Distilling petroleum, Process and apparatus for | J. L. Kirk | 215, 756 | May 27, 1879 | 902 | 264 | 15 | 841 |
| Distilling wood, Apparatus for | A. Knobloch | 215, 940 | May 27, 1879 | 1112 | 322 | 15 | 867 |
| Ditcher | W. Stacy | 219, 778 | Sept. 16, 1879 | 819 | 227 | 16 | 535 |
| Ditcher, Road | I. Karsner | 214, 399 | Apr. 15, 1879 | 805 | 226 | 15 | 591 |
| Ditching-machine | J. D. Comstock | 221, 910 | Nov. 25, 1879 | 914 | 256 | 16 | 964 |
| Ditching-machine | J. L. Custer | 217, 073 | July 1, 1879 | 166 | 49 | 16 | 23 |
| Ditching-machine | I. H. Doan and J. Galloway | 222, 876 | Dec. 23, 1879 | 893 | 258 | 16 | 1163 |
| Ditching-machine | C. D. Edwards | 216, 162 | June 3, 1879 | 158 | 47 | 15 | 905 |
| Ditching-machine | M. W. Farber | 211, 560 | Jan. 21, 1879 | 563 | 159, 160 | 15 | 75 |
| Ditching-machine | J. A. Grant and T. A. McClelland. | 213, 897 | Apr. 1, 1879 | 180 | 52 | 15 | 496 |
| Ditching-machine | F. Plumb | 219, 515 | Sept. 9, 1879 | 524 | 146 | 16 | 487 |
| Ditching-machine | G. Smith | 220, 439 | Oct. 7, 1879 | 251 | 67 | 16 | 669 |
| Ditching-machine | E. D. Toops and J. Braddock | 216, 709 | June 17, 1879 | 791 | 226, 227 | 15 | 1004 |
| Dividers, knife, and screw-driver, Combined | A. Nawadny | 215, 282 | May 13, 1879 | 365 | 105 | 15 | 752 |
| Dog-power | E. Glendillen | 220, 603 | Oct. 14, 1879 | 459 | 119 | 16 | 704 |
| Dog-power | A. Hamlin | 211, 904 | Feb. 4, 1879 | 93 | 27 | 15 | 137 |
| Dog-power machine | W. C. Reech | 214, 005 | Apr. 8, 1879 | 313 | 90 | 15 | 522 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. | | Official Gazette. | |
|---|---|---|---|---|---|---|---|
| | | | | Spec. | Dr'g. | Vol. | Page. |
| Doll | F. D. Martin | 214,830 | Apr. 29, 1879 | 1310 | 366 | 15 | 672 |
| Doll-supporter | J. S. Goye | 220,606 | Oct. 14, 1879 | 461 | 120 | 16 | 705 |
| Domestic boiler | S. W. Bradley | 213,036 | Mar. 11, 1879 | 322 | 90 | 15 | 346 |
| Domestic-boiler attachment | G. Conover | 222,673 | Dec. 16, 1879 | 663 | 190 | 16 | 1119 |
| Domestic boilers, Bottom for | W. B. Allen | 220,266 | Oct. 7, 1879 | 62 | 16 | 16 | 643 |
| Door and window guard | W. H. Huston | 222,704 | Dec. 16, 1879 | 694 | 199 | 16 | 1124 |
| Door-bolt | T. Fairchild and C. Hazeltine | 213,182 | Mar. 11, 1879 | 497 | 137 | 15 | 368 |
| Door-bolt | J. R. Payson | 216,695 | June 17, 1879 | 778 | 222 | 15 | 1002 |
| Door bolt and check, Combined | W. S. Burnham | 219,684 | Sept. 16, 1879 | 726 | 201 | 16 | 522 |
| Door-brace | J. Louprette | 220,852 | Oct. 21, 1879 | 746 | 199 | 16 | 750 |
| Door-check | J. P. Ellacott | 215,900 | May 27, 1879 | 1070 | 311 | 15 | 862 |
| Door-check | A. E. Hotchkiss | 211,660 | Jan. 28, 1879 | 700 | 196 | 15 | 96 |
| Door-check | G. S. Perkins | 212,260 | Feb. 11, 1879 | 501 | 139 | 15 | 193 |
| Door-check | G. H. Smith | 221,873 | Nov. 18, 1879 | 856 | 239 | 16 | 947 |
| Door-check | T. P. White | 217,565 | July 15, 1879 | 721 | 206 | 16 | 116 |
| Door-check | A. F. Wittich | 222,338 | Dec. 2, 1879 | 248 | 67 | 16 | 1043 |
| Door-check | A. Witte | 217,762 | July 22, 1879 | 952 | 273 | 16 | 156 |
| Door-fastener | S. L. Chase | 216,602 | June 17, 1879 | 682 | 195 | 15 | 989 |
| Door-fastener | F. Condit | 214,758 | Apr. 29, 1879 | 1226 | 344 | 15 | 661 |
| Door-fastener | W. Williams | 221,645 | Nov. 11, 1879 | 581 | 162 | 16 | 902 |
| Door, Grain | T. Sills | 216,580 | June 17, 1879 | 656 | 186 | 15 | 985 |
| Door-hanger | G. L. Waitt | 215,697 | May 20, 1879 | 834 | 243 | 15 | 823 |
| Door-holder | R. H. Barnard | 213,611 | Mar. 25, 1879 | 962 | 273 | 15 | 445 |
| Door-lock | J. Hartel, jr., and C. Wolgast, jr. | 214,773 | Apr. 29, 1879 | 1244 | 348 | 15 | 663 |
| Door-mat | J. S. Sargent | 211,348 | Jan. 14, 1879 | 327 | 96 | 15 | 43 |
| Door-screen | T. Crane | 215,439 | May 20, 1879 | 545 | 161 | 15 | 785 |
| Door-securer | M. J. Hine | 211,573 | Jan. 21, 1879 | 583 | 164 | 15 | 77 |
| Door-securer | D. F. McKitrick | 219,493 | Sept. 9, 1879 | 501 | 139 | 16 | 484 |
| Door-securer and combined tool | P. E. Rudel | 212,512 | Feb. 18, 1879 | 822 | 228 | 15 | 238 |
| Door sheave, Rolling | J. H. Townsend | 215,993 | May 27, 1879 | 1159 | 337 | 15 | 873 |
| Door sheave, Sliding | M. Roberts | 216,702 | June 17, 1879 | 784 | 224 | 15 | 1003 |
| Door sheave, Sliding | A. G. Safford | 216,351 | June 10, 1879 | 397 | 113 | 15 | 942 |
| Door-sill and carpet-strip | S. M. Stewart | 212,521 | Feb. 18, 1879 | 829 | 230 | 15 | 239 |
| Door-spring | H. R. Clark | 217,585 | July 15, 1879 | 742 | 211 | 16 | 119 |
| Door-spring | T. W. Hill | 213,199 | Mar. 11, 1879 | 512 | 142 | 15 | 370 |
| Door-spring | A. A. Schroeder | 211,266 | Jan. 7, 1879 | 205 | 60 | 15 | 27 |
| Door-spring | O. Seely | 212,272 | Feb. 11, 1879 | 515 | 143 | 15 | 194 |
| Door-spring | L. A. Warner | 214,213 | Apr. 8, 1879 | 561 | 159 | 15 | 551 |
| Door spring and check, Combined | R. C. Love | 216,688 | June 17, 1879 | 770 | 220 | 15 | 1000 |
| Doors and windows, Bar-holder for | R. F. Loper, jr. | 212,242 | Feb. 11, 1879 | 481 | 133 | 15 | 190 |
| Doors, Angle-plate for | R. C. Morris | 220,489 | Oct. 14, 1879 | 319 | 84 | 16 | 686 |
| Doors, Cross-bar for | R. Condon | 212,661 | Feb. 25, 1879 | 992 | 275 | 15 | 269 |
| Doors open, Device for holding | L. B. Leech | 216,195 | June 3, 1879 | 196 | 58 | 15 | 910 |
| Doubling and twisting machine | T. Kershaw | 211,745 | Jan. 28, 1879 | 797 | 223, 224 | 15 | 109 |
| Doubling and twisting machines, Stop-motion for | J. H. Knowles | 216,867 | June 24, 1879 | 991 | 281 | 15 | 1038 |
| Doubling and winding machine | T. Unsworth | 215,995 | May 27, 1879 | 1160 | 337 | 15 | 873 |
| Dough-mixer | C. A. Wolff | 220,690 | Oct. 14, 1879 | 551 | 145 | 16 | 717 |
| Dough-tray | J. L. Campbell | 217,332 | July 8, 1879 | 453 | 132 | 16 | 70 |
| Dough-tray | A. D. Hay | 217,462 | July 15, 1879 | 608 | 174 | 16 | 101 |
| Dovetailing-machine | C. Steugel | 211,531 | Jan. 21, 1879 | 531 | 150 | 15 | 71 |
| Dovetailing-machine, Miter | F. A. Gleason | 213,329 | Mar. 18, 1879 | 665 | 187 | 15 | 399 |
| Draft apparatus and weather-cap for chimneys, &c. | H. J. Pelstring | 212,735 | Feb. 25, 1879 | 1067 | 296 | 15 | 279 |
| Draft attachment for vehicles | G. A. Hall | 213,190 | Mar. 11, 1879 | 503 | 140 | 15 | 369 |
| Draft-bar for sleighs | J. C. Campbell | 211,967 | Feb. 4, 1879 | 165 | 47 | 15 | 14[illegible] |
| Draft-equalizer | E. R. Angell | 218,807 | Aug. 26, 1879 | 836 | 235 | 16 | 363 |
| Draft-equalizer | J. C. Bloom | 213,383 | Mar. 18, 1879 | 717 | 201 | 15 | 406 |
| Draft-equalizer | L. O. Brekke | 221,280 | Nov. 4, 1879 | 153 | 42 | 16 | 834 |
| Draft-equalizer | W. T. Burrows | 222,240 | Dec. 2, 1879 | 145 | 37 | 16 | 1028 |
| Draft-equalizer | I. P. Cadman | 217,267 | July 8, 1879 | 385 | 114 | 16 | 61 |
| Draft-equalizer | A. J. F. Ehrich | 218,370 | Aug. 12, 1879 | 305 | 83 | 16 | 272 |
| Draft-equalizer | D. P. Hershberger | 219,260 | Sept. 2, 1879 | 236 | 67 | 16 | 442 |
| Draft-equalizer | W. A. Laird | 217,119 | July 1, 1879 | 217 | 62 | 16 | 30 |
| Draft-equalizer | R. A. Thompson | 221,982 | Nov. 25, 1879 | 1001 | 280 | 16 | 975 |
| Draft-equalizer | O. Utterback and J. J. Rains | 222,333 | Dec. 2, 1879 | 243 | 66 | 16 | 1042 |
| Draft-equalizer, Wagon | B. C. Nelsen | 217,138 | July 1, 1879 | 235 | 68 | 16 | 33 |
| Draft-hook | J. F. Bednar | 217,194 | July 8, 1879 | 311 | 92 | 16 | 51 |
| Draft-spring | J. Dabus | 211,710 | Jan. 28, 1879 | 751 | 210 | 15 | 103 |
| Drag, Sulky | L. V. and S. R. Sikes | 219,774 | Sept. 16, 1879 | 816 | 226 | 16 | 534 |
| Drain and other pipes | J. P. Culver | 220,522 | Oct. 14, 1879 | 358 | 94 | 16 | 692 |
| Drain-pipe | J. H. Blose | 221,439 | Nov. 11, 1879 | 351 | 96 | 16 | 870 |
| Drain-pipe | E. D. Webb and J. Stanley | 212,773 | Feb. 25, 1879 | 1111 | 309 | 15 | 285 |
| Draw-bar | R. Hay | 217,615 | July 15, 1879 | 776 | 221 | 16 | 123 |
| Draw-bar | W. Wimer | 212,078 | Feb. 4, 1879 | 291 | 79 | 15 | 162 |
| Drawer | B. A. Armstrong | 219,197 | Sept. 2, 1879 | 152 | 46 | 16 | 432 |
| Drawer-handle | W. F. and G. A. Heiligmann | 217,373 | July 8, 1879 | 500 | 145 | 16 | 76 |
| Drawer-lock | N. A. Hull | 221,464 | Nov. 11, 1879 | 382 | 105 | 16 | 873 |
| Drawer-pull | T. S. Alexander | 213,369 | Mar. 18, 1879 | 704 | 197 | 15 | 404 |
| Drawer-pull | T. S. Alexander | 213,370 | Mar. 18, 1879 | 705 | 198 | 15 | 404 |
| Drawer-pull | G. W. Tucker | 214,473 | Apr. 15, 1879 | 877 | 247 | 15 | 602 |
| Drawer-pulls, Device for attaching | G. W. Tucker | 222,213 | Dec. 2, 1879 | 111 | 27 | 16 | 1024 |
| Drawer-support | J. C. Hirsch | 221,307 | Nov. 4, 1879 | 184 | 51 | 16 | 838 |
| Drawers | G. D. Eighmie | 213,405 | Mar. 18, 1879 | 741 | 208 | 15 | 409 |
| Drawers | J. M. Hafleigh | 212,219 | Feb. 11, 1879 | 459 | 127 | 15 | 187 |
| Drawers | E. Levi | 212,810 | Mar. 4, 1879 | 34 | 11 | 15 | 301 |
| Drawing and tracing apparatus | F. McIlvenna and W. P. Thompson. | 218,893 | Aug. 26, 1879 | 942 | 264 | 16 | 378 |
| Drawing apparatus, Perspective | G. Rosquist | 216,460 | June 10, 1879 | 517 | 147, 148 | 15 | 958 |
| Drawing-board | G. W. Da Cunha | 215,333 | May 13, 1879 | 424 | 126 | 15 | 759 |
| Drawing-board | G. W. Da Cunha | 216,662 | June 17, 1879 | 741 | 211 | 15 | 997 |
| Drawing-frame | H. C. Grayson | 211,903 | Feb. 4, 1879 | 91 | 26 | 15 | 137 |
| Drawing-frame | J. Smith | 222,540 | Dec. 9, 1879 | 456 | 137 | 16 | 1084 |
| Drawing-frames, &c., Composition roller for | J. M. Smith | 217,557 | July 15, 1879 | 712 | 203 | 16 | 115 |
| Drawing-frames, Stop-motion for | H. C. Grayson | 214,647 | Apr. 22, 1879 | 1093 | 306 | 15 | 636 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Drawing or roving can | C. O. Beck | 221, 500 | Nov. 11, 1879 | 426 | 116 | 16 | 879 |
| Drawing-table | W. Holden | 222, 047 | Nov. 25, 1879 | 1067 | 297 | 16 | 984 |
| Drays, Tail-pin for | H. R. Atwood | 221, 902 | Nov. 25, 1879 | 906 | 253 | 16 | 963 |
| Dredge-winder | C. C. Green | 220, 827 | Oct. 21, 1879 | 722 | 191 | 16 | 746 |
| Dredged material, Transporting and delivering | A. E. Hall | 222, 488 | Dec. 9, 1879 | 429 | 122, 123 | 16 | 1077 |
| Dredging apparatus | J. Grant | 216, 847 | June 24, 1879 | 968 | 276 | 15 | 1035 |
| Dredging apparatus | A. E. Hall | 211, 153 | Jan. 7, 1879 | 85 | 26 | 15 | 11 |
| Dredging-machine | J. Canan | 215, 263 | May 13, 1879 | 342 | 100 | 15 | 749 |
| Dredging-machine | E. Chaquette | 222, 380 | Dec. 9, 1879 | 299 | 83 | 16 | 1060 |
| Dredging-machine | S. W. Shaw | 220, 180 | Sept. 30, 1879 | 1302 | 359, 360 | 16 | 618 |
| Dredging-machine | G. Uhl | 221, 432 | Nov. 11, 1879 | 343 | 95 | 16 | 869 |
| Dredging-machine bucket | J. M. Seward | 221, 705 | Nov. 18, 1879 | 658 | 184 | 16 | 920 |
| Dredging-machine shovel | J. Canan | 218, 427 | Aug. 12, 1879 | 372 | 102 | 16 | 281 |
| Dredging-scoop nozzle for mining purposes | S. W. Shaw | 216, 061 | June 3, 1879 | 59 | 16 | 15 | 892 |
| Dredging-tube, Pneumatic | W. P. Lewis | 216, 686 | June 17, 1879 | 768 | 220 | 15 | 1000 |
| Dress-adjuster | E. Ebner | 220, 588 | Oct. 14, 1879 | 445 | 115 | 16 | 702 |
| Dressing-case | F. Koskul | 221, 582 | Nov. 11, 1879 | 520 | 142 | 16 | 893 |
| Dressing-case | F. Koskul | 221, 583 | Nov. 11, 1879 | 521 | 143 | 16 | 893 |
| Dress-train supporter | G. Schwab | 211, 188 | Jan. 7, 1879 | 123 | 38 | 15 | 17 |
| Drier: | | | | | | | |
| *See* Brick-drier. Clothes-drier. Cotton, wool, &c., drier. Fruit-drier. Fruit and vegetable drier. Grain-drier. Lumber-drier. Paper, &c., drier. | | | | | | | |
| Drill: | | | | | | | |
| *See* Chamber-drill. Corn-drill. Grain-drill. Mining-drill. Ratchet-drill. Rock-drill. Seed-drill. Steam-drill. Stone-drill. | | | | | | | |
| Drill and corn-planter, Combined | J. F. Mock | 219, 002 | Aug. 26, 1879 | 1052 | 297 | 16 | 392 |
| Drill-hoe, Self-adjusting | A. Burgner and K. Parker | 215, 091 | May 6, 1879 | 120 | 36 | 15 | 718 |
| Drilling-machine | C. W. Coe | 216, 381 | June 10, 1879 | 432 | 122 | 15 | 947 |
| Drilling-machine | N. and M. Remmel | 223, 168 | Dec. 30, 1879 | 1231 | 348 | 16 | 1220 |
| Drilling-machine | O. Smith | 222, 321 | Dec. 2, 1879 | 227 | 60, 61 | 16 | 1040 |
| Drilling machine, Metal | H. Ducsh | 218, 002 | July 29, 1879 | 1230 | 352 | 16 | 198 |
| Drilling machine, Metal | E. W. Fawcett | 216, 264 | June 10, 1879 | 286 | 84 | 15 | 928 |
| Drilling machine, Metal | D. Harrington | 214, 035 | Apr. 8, 1879 | 352 | 100 | 15 | 526 |
| Drill-jar | J. E. Hughes | 215, 622 | May 20, 1879 | 758 | 222 | 15 | 813 |
| Drill-sharpener | T. J. Williamson | 219, 133 | Sept. 2, 1879 | 87 | 26 | 16 | 424 |
| Drill-tooth | J. W. Lafferty and G. B. Brown | 220, 157 | Sept. 30, 1879 | 1272 | 349 | 16 | 614 |
| Drills, Feed-screw for | J. B. White | 222, 972 | Dec. 23, 1879 | 1003 | 288 | 16 | 1179 |
| Drinking-cup attachment | W. C. King | 220, 155 | Sept. 30, 1879 | 1270 | 348 | 16 | 614 |
| Drinking-cup, Collapsible | C. Sedgwick | 216, 227 | June 3, 1879 | 227 | 67 | 15 | 913 |
| Drip-pan and self-oiler for bearings, Combined | R. B. Eason | 212, 449 | Feb. 18, 1879 | 739 | 204 | 15 | 227 |
| Drip-pipe | C. R. Joyce | 217, 538 | July 15, 1879 | 689 | 196 | 16 | 112 |
| Driving-bit | R. E. Whitman | 221, 710 | Nov. 18, 1879 | 664 | 185 | 16 | 921 |
| Driving-wheel | C. F. Craver and J. M. Wishart | 212, 663 | Feb. 25, 1879 | 994 | 276 | 15 | 269 |
| Drop-light and hanger | J. T. Bruen | 218, 924 | Aug. 26, 1879 | 972 | 273 | 16 | 382 |
| Drop-light for gas-fixtures | A. C. Gould | 211, 468 | Jan. 21, 1879 | 462 | 131 | 15 | 62 |
| Dropper: | | | | | | | |
| *See* Corn-dropper. Corn and seed dropper. Fertilizer-dropper. Harvester-dropper. Mail bag dropper. Seed-bag. | | | | | | | |
| Drum, Heating | N. J. Engler | 212, 913 | Mar. 4, 1879 | 171 | 47 | 15 | 318 |
| Drum, stove, and furnace, Heating | M. T. Baldwin | 211, 687 | Jan. 28, 1879 | 729 | 203 | 15 | 100 |
| Drying apparatus | E. Henderson | 219, 093 | Sept. 2, 1879 | 41 | 13 | 16 | 418 |
| Drying apparatus | G. F. Wilson | 215, 192 | May 6, 1879 | 233 | 69 | 15 | 732 |
| Drying-floor | D. R. Morse | 220, 301 | Oct. 7, 1879 | 104 | 28 | 16 | 649 |
| Drying-house | J. Kennedy | 218, 536 | Aug. 12, 1879 | 500 | 140 | 16 | 299 |
| Drying house, Fruit | S. W. Craven | 218, 495 | Aug. 12, 1879 | 454 | 127 | 16 | 292 |
| Drying-kiln | C. W. Boynton | 213, 543 | Mar. 25, 1879 | 888 | 253, 254 | 15 | 436 |
| Drying-kiln | G. H. Cormack | 219, 918 | Sept. 23, 1879 | 990 | 275 | 16 | 567 |
| Drying-machine | G. N. Bliss | 222, 982 | Dec. 30, 1879 | 1017 | 291 | 16 | 1191 |
| Drying-machine, Centrifugal | A. Chrystal and J. J. Walsh | 211, 971 | Feb. 4, 1879 | 169 | 49 | 15 | 148 |
| Drying, Method of and apparatus for | G. F. Wilson and C. A. Catlin | 215, 191 | May 6, 1879 | 231 | 68, 69 | 15 | 732 |
| Drying straw-boards, &c., Machine for | C. Whealen and L. Knerr, jr. | 211, 485 | Jan. 21, 1879 | 479 | 135 | 15 | 64 |
| Drying vegetables, &c., Screen to be used in | A. D. Chase | 221, 445 | Nov. 11, 1879 | 356 | 98 | 16 | 870 |
| Drying wood, &c., Apparatus and process for | T. A. Dowling | 217, 273 | July 8, 1879 | 393 | 116 | 16 | 62 |
| Dumb-waiter | W. F. Holske | 216, 568 | June 17, 1879 | 642 | 182 | 15 | 983 |
| Dummy-figure | J. A. Gillotte | 216, 610 | June 17, 1879 | 689 | 197 | 15 | 990 |
| Dummy, Tailor's | M. Kreis | 217, 881 | July 29, 1879 | 1099 | 316 | 16 | 182 |
| Duster, Feather | C. W. Nichols | 212, 732 | Feb. 25, 1879 | 1064 | 295 | 15 | 279 |
| Dust-pan | F. Haberman | 218, 259 | Aug. 5, 1879 | 172 | 46 | 16 | 244 |
| Dust-pan | G. H. Howe | 221, 312 | Nov. 4, 1879 | 192 | 52 | 16 | 839 |
| Dust-pan | J. C. Milligan | 218, 997 | Aug. 26, 1879 | 1047 | 295 | 16 | 392 |
| Dust-pan | W. W. and F. B. Mix | 213, 232 | Mar. 11, 1879 | 545 | 151 | 15 | 375 |
| Dust-pan | S. M. Perry | 216, 529 | June 17, 1879 | 600 | 170 | 15 | 978 |
| Dye, Compound | G. Molt | 220, 638 | Oct. 14, 1879 | 494 | ..... | 16 | 709 |
| Dye-stuffs, Preparation of | M. Wise | 221, 381 | Nov. 4, 1879 | 279 | ..... | 16 | 850 |
| Dyeing aniline-black | H. Kinsbourg | 213, 907 | Apr. 1, 1879 | 189 | ..... | 15 | 497 |
| Dynamometer, Rotary | F. J. Morin and R. Seilliere | 212, 728 | Feb. 25, 1879 | 1061 | 294 | 15 | 278 |
| **E.** | | | | | | | |
| Ear-holder | F. C. Batcheller | 216, 498 | June 17, 1879 | 565 | 162 | 15 | 973 |
| Ear-muff | H. E. Bonham | 217, 768 | July 22, 1879 | 957 | 275 | 16 | 156 |
| Ear-ring | W. E. Greene | 217, 092 | July 1, 1879 | 190 | 55 | 16 | 26 |
| Ear-ring | L. Heckmann | 216, 954 | July 1, 1879 | 30 | 9 | 16 | 6 |
| Ear-ring | W. A. L. Miller | 221, 178 | Nov. 4, 1879 | 45 | 12 | 16 | 818 |
| Earth-closet | F. Fowler | 222, 581 | Dec. 16, 1879 | 549 | 156 | 16 | 1103 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. | | Official Gazette. | |
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| | | | | Spec. | Dr'g. | Vol. | Page. |
| Earth-closet | R. W. Riddle | 219, 767 | Sept. 16, 1879 | 807 | 223 | 16 | 533 |
| Earthenware, Device for manufacturing | H. Mishler | 219, 000 | Aug. 26, 1879 | 1049 | 296 | 16 | 392 |
| Earthenware, Glazing for | I. Hollis | 212, 696 | Feb. 25, 1879 | 1024 | ..... | 15 | 273 |
| Earthenware pots and vessels, Cover attachment for. | N. Plympton | 212, 567 | Feb. 25, 1879 | 894 | 247 | 15 | 256 |
| Easel | F. S. Frost | 215, 731 | May 27, 1879 | 880 | 257 | 15 | 838 |
| Easel | J. H. Stratton | 218, 791 | Aug. 19, 1879 | 789 | 224 | 16 | 347 |
| Eave-trough | C. W. Haucke | 215, 740 | May 27, 1879 | 886 | 259 | 15 | 839 |
| Eave-trough | F. Otto | 217, 848 | July 22, 1879 | 1049 | 300 | 16 | 168 |
| Eave-trough hanger | J. P. Abbott | 212, 530 | Feb. 25, 1879 | 855 | 237 | 15 | 251 |
| Eave-trough hanger | J. R. Baker | 219, 138 | Sept. 2, 1879 | 91 | 28 | 16 | 424 |
| Eave-trough hanger | L. Smith | 218, 075 | July 29, 1879 | 1305 | 374 | 16 | 209 |
| Eave-trough iron | W. H. and L. Berger | 220, 515 | Oct. 14, 1879 | 349 | 92 | 16 | 691 |
| Edging and planing machine | A. S. Hapgood | 211, 569 | Jan. 21, 1879 | 577 | 163 | 15 | 77 |
| Egg and fruit carrier | J. Merlette, jr | 221, 589 | Nov. 11, 1879 | 526 | 144, 145 | 16 | 894 |
| Egg-beater | G. H. Backmire | 221, 016 | Oct. 28, 1879 | 957 | 255 | 16 | 787 |
| Egg-beater | G. Mooney | 216, 053 | June 3, 1879 | 53 | 14 | 15 | 891 |
| Egg-beater, Atmospheric and vacuum | H. E. Marchand | 214, 936 | Apr. 29, 1879 | 1420 | 394 | 15 | 686 |
| Egg-beating machine | W. C. Burry | 220, 272 | Oct. 7, 1879 | 68 | 18 | 16 | 644 |
| Egg-boiler | H. A. Manley | 211, 859 | Feb. 4, 1879 | 44 | 14 | 15 | 132 |
| Egg-carrier | D. Goodwillie | 218, 813 | Aug. 26, 1879 | 842 | 236 | 16 | 364 |
| Egg-carrier | G. M. Huston | 216, 413 | June 10, 1879 | 463 | 132, 133 | 15 | 950 |
| Egg-carrier | A. J. Millard | 222, 595 | Dec. 16, 1879 | 567 | 161 | 16 | 1105 |
| Egg-carrier | A. D. Rock | 219, 652 | Sept. 16, 1879 | 689 | 191 | 16 | 517 |
| Egg-carrier | J. L. Stevens | 212, 281 | Feb. 11, 1879 | 525 | 146 | 15 | 196 |
| Egg-carrier | J. L. Stevens | 213, 848 | Apr. 1, 1879 | 128 | 38 | 15 | 489 |
| Egg-carrier | J. L. Stevens | 213, 849 | Apr. 1, 1879 | 128 | 38 | 15 | 489 |
| Egg-carrier | J. L. Stevens | 213, 850 | Apr. 1, 1879 | 129 | 38 | 15 | 489 |
| Egg-carrier | J. L. Stevens | 219, 794 | Sept. 16, 1879 | 841 | 232 | 16 | 538 |
| Egg-carrier fastening | G. W. Peck | 221, 859 | Nov. 18, 1879 | 843 | 236 | 16 | 945 |
| Egg-case | J. L. Stevens | 218, 328 | Aug. 5, 1879 | 245 | 67 | 16 | 253 |
| Egg-crate | J. L. Stevens | 218, 592 | Aug. 12, 1879 | 557 | 157 | 16 | 307 |
| Egg cup and opener | D. H. Murphy | 212, 394 | Feb. 18, 1879 | 664 | 186 | 15 | 217 |
| Egg-holder | J. S. Birch | 221, 389 | Nov. 11, 1879 | 296 | 81 | 16 | 862 |
| Egg-holder | C. P. Cooper | 219, 915 | Sept. 23, 1879 | 985 | 273 | 16 | 567 |
| Egg-lifter | B. W. Nelson | 213, 772 | Apr. 1, 1879 | 45 | 15 | 15 | 478 |
| Egg, Nest | O. F. Woodward | 211, 363 | Jan. 14, 1879 | 344 | 100 | 15 | 45 |
| Egg-package, Folding | W. E. King | 219, 273 | Sept. 2, 1879 | 249 | 70 | 16 | 443 |
| Egg-packing box | I. Karel | 215, 933 | May 27, 1879 | 1106 | 320 | 15 | 866 |
| Egg stand and holder | T. B. Tattersley | 222, 961 | Dec. 23, 1879 | 988 | 284 | 16 | 1177 |
| Egg-tester | W. S. Burnham | 221, 514 | Nov. 11, 1879 | 441 | 119 | 16 | 882 |
| Egg-tester | J. G. Halsey | 218, 435 | Aug. 12, 1879 | 380 | 104 | 16 | 282 |
| Egg-tester | D. W. Pomeroy | 213, 687 | Mar. 25, 1879 | 1045 | 297 | 15 | 456 |
| Egg-tongs | R. P. H. Koska | 220, 390 | Oct. 7, 1879 | 202 | 54 | 16 | 662 |
| Eggs, Process and apparatus for preserving | W. and J. Inglis | 212, 007 | Feb. 4, 1879 | 210 | 59 | 15 | 153 |
| Ejector | J. H. Irwin | 217, 109 | July 1, 1879 | 206 | 59 | 16 | 29 |
| Elastic fabric | W. E. Jefferson | 216, 328 | June 10, 1879 | 370 | 105 | 15 | 938 |
| Electric conductor | A. A. Knudson | 221, 074 | Oct. 28, 1879 | 1021 | 271 | 16 | 795 |
| Electric induction-coil | J. L. Le Conte | 217, 466 | July 15, 1879 | 612 | 175 | 16 | 102 |
| Electric light | C. M. T. Du Motay and E. Stern. | 212, 860 | Mar. 4, 1879 | 92 | 27 | 15 | 310 |
| Electric light | T. A. Edison | 214, 636 | Apr. 22, 1879 | 1081 | 303 | 15 | 635 |
| Electric light | T. A. Edison | 219, 628 | Sept. 16, 1879 | 659 | 183 | 16 | 513 |
| Electric light | M. G. Farmer | 213, 643 | Mar. 25, 1879 | 999 | 284 | 15 | 450 |
| Electric light | P. O. Jenkins | 212, 851 | Mar. 4, 1879 | 79 | 23 | 15 | 308 |
| Electric light | J. H. Rogers | 216, 760 | June 24, 1879 | 869 | 247 | 15 | 1023 |
| Electric-light apparatus | C. F. Brush | 219, 212 | Sept. 2, 1879 | 174 | 51, 52 | 16 | 434 |
| Electric-light apparatus | P. Diehl | 214, 242 | Apr. 15, 1879 | 611 | 173 | 15 | 567 |
| Electric-light apparatus | T. A. Edison | 218, 167 | Aug. 5, 1879 | 71 | 19 | 16 | 230 |
| Electric-light apparatus | A. G. Holcombe | 221, 918 | Nov. 25, 1879 | 924 | 259 | 16 | 966 |
| Electric-light regulator | C. F. Brush | 212, 183 | Feb. 11, 1879 | 422 | 115, 116 | 15 | 182 |
| Electric-light regulator | E. J. Molera and J. C. Cebrian | 212, 040 | Feb. 4, 1879 | 251 | 68 | 15 | 157 |
| Electric-light regulator | E. J. Molera and J. C. Cebrian | 214, 514 | Apr. 22, 1879 | 951 | 268 | 15 | 618 |
| Electric-light regulator | E. J. Molera and J. C. Cebrian | 214, 515 | Apr. 22, 1879 | 954 | 268 | 15 | 618 |
| Electric lights, Carbon for | W. E. Sawyer and A. Man | 211, 262 | Jan. 7, 1879 | 201 | ..... | 15 | 26 |
| Electric lights, Carbon-point for | C. H. Manning | 220, 248 | Oct. 7, 1879 | 44 | 11 | 16 | 640 |
| Electric lights, Thermal regulator for | T. A. Edison | 214, 637 | Apr. 22, 1879 | 1082 | 304 | 15 | 625 |
| Electric lighting apparatus | E. M. Cointepas and J. M. Rouchel. | 215, 722 | May 27, 1879 | 870 | 255 | 15 | 837 |
| Electric lighting apparatus | T. A. Edison | 218, 866 | Aug. 26, 1879 | 910 | 254 | 16 | 373 |
| Electric lighting apparatus | A. W. Hall | 217, 792 | July 22, 1879 | 985 | 282 | 16 | 160 |
| Electric lighting device | C. F. Brush | 219, 211 | Sept. 2, 1879 | 172 | 51 | 16 | 434 |
| Electric machine, Dynamo | C. F. Brush | 217, 677 | July 22, 1879 | 866 | 247 | 16 | 144 |
| Electric machine, Dynamo | T. A. Edison | 219, 393 | Sept. 9, 1879 | 397 | 111 | 16 | 470 |
| Electric machine, Dynamo | E. J. Houston and E. Thomson | 219, 157 | Sept. 2, 1879 | 111 | 33 | 16 | 426 |
| Electric machine, Dynamo | G. Lecoq | 221, 327 | Nov. 4, 1879 | 212 | 58 | 16 | 841 |
| Electric machine, Dynamo | E. Weston | 211, 311 | Jan. 14, 1879 | 284 | 84, 85 | 15 | 37 |
| Electric motor | G. H. Bangs | 214, 082 | Apr. 8, 1879 | 426 | 120 | 15 | 533 |
| Electric motor | J. Hoover | 217, 617 | July 15, 1879 | 777 | 221, 222 | 16 | 123 |
| Electric recorder | P. A. Dowd | 220, 752 | Oct. 21, 1879 | 631 | 169 | 16 | 735 |
| Electric signaling apparatus | W. G. Day | 219, 805 | Sept. 23, 1879 | 873 | 241 | 16 | 551 |
| Electric signaling apparatus | E. N. Dickerson, jr | 212, 792 | Mar. 4, 1879 | 12 | 4, 5 | 15 | 298 |
| Electric signaling-instrument | W. Hadden | 219, 937 | Sept. 23, 1879 | 1010 | 281 | 16 | 570 |
| Electric train-signaling apparatus | J. C. E. Ohlenschlager | 220, 647 | Oct. 14, 1879 | 503 | 132 | 16 | 710 |
| Electrical conductor | L. H. Rogers | 220, 943 | Oct. 28, 1879 | 862 | 232 | 16 | 775 |
| Electrical conductor | E. Wheeler | 221, 133 | Oct. 28, 1879 | 1078 | 285 | 16 | 803 |
| Electrical conductors, Manufacture of | L. H. Rogers and W. A. Shaw | 220, 944 | Oct. 28, 1879 | 864 | 232 | 16 | 775 |
| Electrical device for opening shutters | J. P. Cotaya | 220, 127 | Sept. 30, 1879 | 1243 | 341 | 16 | 610 |
| Electrical signaling apparatus | T. N Vail | 212, 873 | Mar. 4, 1879 | 107 | 32 | 15 | 312 |
| Electrical switch-wires to binding-posts, Attaching | J. E. Hamilton | 215, 917 | May 27, 1879 | 1087 | 316 | 15 | 864 |
| Electricity, Meter for measuring | B. F. Card | 223, 112 | Dec. 30, 1879 | 1173 | 330, 331 | 16 | 1211 |
| Electricity, Process and apparatus for the storage of. | E. Thomson and E. J. Houston | 220, 948 | Oct. 28, 1879 | 871 | 233 | 16 | 776 |

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|---|---|---|---|---|---|---|---|
| Electricity, Reproducing objects by | R. Barrie | 218,473 | Aug. 12, 1879 | 431 | 120 | 16 | 289 |
| Electro-magnetic engine | C. J. B. Gaume | 211,985 | Feb. 4, 1879 | 185 | 52 | 15 | 150 |
| Electro-magnetic engine | C. T. Mason | 213,220 | Mar. 11, 1879 | 529 | 148 | 15 | 373 |
| Electro-magnetic machine | L. Drescher | 221,291 | Nov. 4, 1879 | 165 | 45 | 16 | 835 |
| Electro-magnetic motor | J. Doyle | 217,731 | July 22, 1879 | 926 | 265 | 16 | 152 |
| Electro-magnetic motor | C. A. Hussey | 211,404 | Jan. 14, 1879 | 386 | 110 | 15 | 50 |
| Electro-magnetic motor | J. C. Ludwig | 217,807 | July 22, 1879 | 1000 | 287 | 16 | 162 |
| Electro-magnetic motor | L. G. Woolley | 219,422 | Sept. 9, 1879 | 431 | 119<br>120 | 16 | 474 |
| Electrotype-dies, Manufacture of | J. W. Tufts and M. S. Andrews | 221,985 | Nov. 25, 1879 | 1003 | 281 | 16 | 976 |
| Elevating and conveying, Movement for | G. Sanford | 213,695 | Mar. 25, 1879 | 1052 | 299 | 15 | 457 |
| Elevating apparatus | T. Critchlow | 214,109 | Apr. 8, 1879 | 452 | 128 | 15 | 537 |
| Elevating or draining wheel | J. Jouet | 216,961 | July 1, 1879 | 39 | 13 | 16 | 7 |
| Elevator: *See* Fish-scrap elevator. Grain-elevator. Harvester-elevator. Harvester grain-elevator. Hay-elevator. Hydraulic elevator. Ice-elevator. Merchandise-elevator. Pneumatic elevator. Safety-elevator. Skirt-elevator. Tobacco-elevator. Water-elevator. | | | | | | | |
| Elevator | C. W. Baldwin | 216,013 | June 3, 1879 | 2 | 1 | 15 | 885 |
| Elevator | S. A. Bates | 214,233 | Apr. 15, 1879 | 601 | 171 | 15 | 565 |
| Elevator | R. B. Dawson | 221,037 | Oct. 28, 1879 | 984 | 261 | 16 | 799 |
| Elevator | A. C. Ellithorpe | 218,119 | Aug. 5, 1879 | 14 | 5 | 16 | 223 |
| Elevator | W. Fellows | 219,704 | Sept. 16, 1879 | 746 | 206 | 16 | 525 |
| Elevator | J. A. Groshon | 220,138 | Sept. 30, 1879 | 1253 | 345 | 16 | 612 |
| Elevator | E. D. Haven | 218,022 | July 29, 1879 | 1252 | 358 | 16 | 201 |
| Elevator | P. Hinkle | 220,758 | Oct. 21, 1879 | 641 | 171 | 16 | 737 |
| Elevator | G. Müller | 214,307 | Apr. 15, 1879 | 689 | 193 | 15 | 577 |
| Elevator | J. Ney | 222,638 | Dec. 16, 1879 | 623 | 178 | 16 | 1113 |
| Elevator | J. B. Rollins | 215,244 | May 13, 1879 | 316 | 93 | 15 | 745 |
| Elevator | P. J. Schmitt | 219,367 | Sept. 9, 1879 | 367 | 103 | 16 | 467 |
| Elevator | B. Slusser | 222,318 | Dec. 2, 1879 | 224 | 59 | 16 | 1039 |
| Elevator | H. Snowden | 217,825 | July 22, 1879 | 1021 | 293 | 16 | 165 |
| Elevator and hatch | A. N. Yerby | 221,140 | Oct. 28, 1879 | 1084 | 286 | 16 | 803 |
| Elevator-and operating-engine, Combined | H. W. Sherrill | 212,275 | Feb. 11, 1879 | 519 | 144 | 15 | 195 |
| Elevator belt safety attachment | C. L. Page | 216,528 | June 17, 1879 | 600 | 170 | 15 | 977 |
| Elevator-brake, Hand-operated | H. Snowden | 215,302 | May 13, 1879 | 397 | 117 | 15 | 755 |
| Elevator-bucket | W. G. Avery | 221,207 | Nov. 4, 1879 | 72 | 19 | 16 | 822 |
| Elevator-bucket | W. H. Burdine and C. D. Cowgill | 217,580 | July 15, 1879 | 737 | 210 | 17 | 118 |
| Elevator-bucket | W. H. and W. J. Clark | 222,665 | Dec. 16, 1879 | 654 | 187 | 16 | 1118 |
| Elevator for lumber or other articles | L. W. Greenleaf | 220,137 | Sept. 30, 1879 | 1252 | 344 | 16 | 611 |
| Elevator-gate, Automatic | J. F. Newhall | 218,395 | Aug. 12, 1879 | 331 | 91 | 16 | 276 |
| Elevator-indicator | C. Whittier | 219,047 | Aug. 26, 1879 | 1101 | 309 | 16 | 399 |
| Elevator safety attachment | G. A. Gray, jr | 211,152 | Jan. 7, 1879 | 84 | 26 | 15 | 11 |
| Elevator safety device | J. H. Culver | 220,222 | Oct. 7, 1879 | 13 | 4 | 16 | 636 |
| Elevator safety device | R. M. Curtiss | 216,024 | June 3, 1879 | 22 | 6 | 15 | 887 |
| Elevators, Device for stopping the motion of | H. A. Guild | 213,565 | Mar. 25, 1879 | 914 | 261 | 15 | 439 |
| Elevators, Governor and safety appliance for | G. Dryden | 220,709 | Oct. 21, 1879 | 584 | 155 | 16 | 729 |
| Elliptic spring | H. C. Lüders | 213,218 | Mar. 11, 1879 | 528 | 147 | 15 | 373 |
| Embalming-fluid | J. H. and H. B. McCarty | 222,521 | Dec. 9, 1879 | 461 | .. | 16 | 1081 |
| Embossed fabrics, Manufacture of | F. Walton | 222,214 | Dec. 2, 1879 | 111 | 28 | 16 | 1024 |
| Embroidery, Show-card for | J. W. Mason | 211,172 | Jan. 7, 1879 | 101 | 32 | 15 | 14 |
| Embroidering-machine | J. C. Wellens | 221,639 | Nov. 11, 1879 | 575 | 160 | 16 | 901 |
| Embroidering-machines, Jacquard attachment for | M. Umstadter | 214,209 | Apr. 8, 1879 | 554 | 158 | 15 | 550 |
| Embroidering the tops of stockings, &c., Machine for. | S. L. Otis | 221,093 | Oct. 28, 1879 | 1042 | 276 | 16 | 798 |
| Enameling wood, &c., Compound for | J. C. Schmidt | 219,657 | Sept. 16, 1879 | 693 | ..... | 16 | 518 |
| End-board, Wagon | A. G. Woodbury | 219,790 | Sept. 16, 1879 | 837 | 231 | 16 | 537 |
| End-gate fastening, Wagon | L. Talcott | 222,099 | Nov. 25, 1879 | 1131 | 318 | 16 | 994 |
| End-gate, Wagon | W. Alcorn | 222,372 | Dec. 9, 1879 | 289 | 81 | 16 | 1059 |
| End-gate, Wagon | C. Beecher | 215,430 | May 20, 1879 | 534 | 158 | 15 | 783 |
| End-gate, Wagon | G. W. Freeman and P. Lough | 218,957 | Aug. 26, 1879 | 1005 | 283 | 16 | 386 |
| End-gate, Wagon | J. A. Horrie | 218,176 | Aug. 5, 1879 | 80 | 21 | 16 | 231 |
| End-gate, Wagon | J. M. and J. H. King | 214,509 | Apr. 22, 1879 | 943 | 266 | 15 | 617 |
| End-gate, Wagon | N. Merz and R. H. Williams | 218,996 | Aug. 26, 1879 | 1046 | 295 | 16 | 392 |
| End-gate, Wagon | W. H. Parkin | 212,398 | Feb. 18, 1879 | 669 | 187 | 15 | 218 |
| End-gate, Wagon | B. S. Porter and J. F. Vette | 215,394 | May 13, 1879 | 479 | 143 | 15 | 767 |
| End-gate, Wagon | J. H. Sifers | 212,991 | Mar. 4, 1879 | 258 | 71 | 15 | 330 |
| End-gate, Wagon | A. M. Smith | 216,464 | June 10, 1879 | 522 | 149 | 15 | 959 |
| End-gate, Wagon | J. P. Zimmerman | 219,890 | Sept. 23, 1879 | 956 | 264 | 16 | 562 |
| Enemas, syringes, &c., of india-rubber, Manufacture of. | J. G. Ingram | 212,939 | Mar. 4, 1879 | 198 | 55 | 15 | 321 |
| Engine: *See* Agricultural engine. Air-engine. Air and steam engine. Carding-engine. Compound engine. Dental engine. Direct-acting engine. Electro-magnetic engine. Fire-engine. Fire-extinguishing engine. Gas-engine. Gas-motor engine. Hot-air engine. Hydraulic engine. Hydro-pneumatic engine. Locomotive and dummy engine. Motor-engine. Oscillating engine. Portable engine. Pumping-engine. Road-engine. Rotary engine. Rotary steam-engine. Steam or water engine. Traction-engine. Vacuum-engine. Vapor-engine. Vapor or gas engine. Water-engine. Wind-engine. | | | | | | | |
| Engraving-machine | F. L. Bailey | 215,259 | May 13, 1879 | 334 | 98, 99 | 15 | 748 |

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| Engraving-machine | J. C. and G. M. Guerrant | 212,927 | Mar. 4,1879 | 185 | 51, 52 | 15 | 320 |
| Envelope | S. P. Cady | 219,444 | Sept. 9,1879 | 452 | 126 | 16 | 477 |
| Envelope | W. H. Campbell | 212,187 | Feb. 11,1879 | 427 | 117 | 15 | 183 |
| Envelope | A. Christey | 215,793 | May 27,1879 | 947 | 278 | 15 | 847 |
| Envelope | C. Foster | 211,725 | Jan. 28,1879 | 773 | 217 | 15 | 106 |
| Envelope | J. H. Guest | 212,687 | Feb. 25,1879 | 1016 | 282 | 15 | 272 |
| Envelope | H. B. Maxwell | 220,485 | Oct. 14,1879 | 316 | 83 | 16 | 686 |
| Envelope | J. B. McCullough | 214,165 | Apr. 8,1879 | 507 | 144 | 15 | 544 |
| Envelope | L. H. Rogers | 217,707 | July 22,1879 | 900 | 257 | 16 | 149 |
| Envelope and letter-sheet, Combined | L. H. Rogers | 217,155 | July 1,1879 | 255 | 75 | 16 | 35 |
| Envelope-case | C. H. Norris | 213,681 | Mar. 25,1879 | 1042 | 296 | 15 | 456 |
| Envelope-gumming machine | H. J. Wickham | 217,311 | July 8,1879 | 430 | 127 | 16 | 67 |
| Envelope, Letter or note sheet | L. H. Rogers | 211,110 | Jan. 7,1879 | 30 | 12 | 15 | 5 |
| Envelope-machine | D. M. Lester | 221,835 | Nov. 18,1879 | 812 | 226 | 16 | 940 |
| Envelope-machine | H. D. and D. W. Swift | 211,804 | Jan. 28,1879 | 864 | 241, 242 | 15 | 118 |
| Envelope-machine | H. D. and D. W. Swift | 212,634 | Feb. 25,1879 | 968 | 268 | 15 | 266 |
| Envelope-machine | H. J. Wickham | 217,310 | July 8,1879 | 429 | 126 | 16 | 67 |
| Envelope machine, Letter-sheet | L. H. Rogers | 212,268 | Feb. 11,1879 | 508 | 142 | 15 | 193 |
| Envelope-machines, Drying attachment for | A. A. Rheutan | 212,745 | Feb. 25,1879 | 1076 | 299 | 15 | 280 |
| Envelope or double postal card, Letter-sheet | L. H. Rogers | 215,776 | May 27,1879 | 924 | 271 | 15 | 844 |
| Envelope, Packet or sample | J. H. Weaver | 218,659 | Aug. 19,1879 | 639 | 180 | 16 | 326 |
| Envelope, Sample | T. J. Gorman | 222,394 | Dec. 9,1879 | 314 | 88 | 16 | 1062 |
| Envelope, Sample | A. H. Schultz | 219,879 | Sept. 23,1879 | 946 | 261 | 16 | 561 |
| Envelopes, &c., Cutting-instrument for | I. W. England | 221,163 | Nov. 4,1879 | 29 | 8 | 16 | 816 |
| Equalizer, Three-horse | R. Scott | 221,367 | Nov. 4,1879 | 256 | 69 | 16 | 848 |
| Ethy-chloride, Manufacture of | J. F. Gesner | 218,671 | Aug. 19,1879 | 664 | 188 | 16 | 330 |
| Evaporating and calcining alkaline solutions, Apparatus for. | M. Nixon | 218,056 | July 29,1879 | 1287 | 368, 369 | 16 | 206 |
| Evaporating and calcining alkaline solutions, Apparatus for. | H. L. Orrman | 215,659 | May 20,1879 | 796 | 233 | 15 | 818 |
| Evaporating-furnace | A. Shoesmith | 218,785 | Aug. 19,1879 | 784 | 223 | 16 | 346 |
| Evaporating-pan | H. O. Ames | 214,606 | Apr. 22,1879 | 1052 | 295 | 15 | 631 |
| Evaporating-pan | J. L. Becker | 213,379 | Mar. 18,1879 | 713 | 201 | 15 | 405 |
| Evaporating-pan | A. Brear | 216,649 | June 17,1879 | 725 | 208 | 15 | 995 |
| Evaporating-pan | J. S. Blymyer | 219,797 | Sept. 23,1879 | 864 | 238 | 16 | 549 |
| Evaporating-pan | E. T. Gennert | 211,325 | Jan. 14,1879 | 301 | 89 | 15 | 40 |
| Evaporating-pan | S. H. Kenney | 219,818 | Sept. 23,1879 | 889 | 244, 245 | 16 | 553 |
| Evaporating-pan | F. Perez de la Tega | 222,942 | Dec. 23,1879 | 968 | 277 | 16 | 1174 |
| Evaporating-pan | N. Witts | 215,257 | May 13,1879 | 331 | 97 | 15 | 747 |
| Evaporating saline solutions, Process and apparatus for. | P. Piccard | 219,874 | Sept. 23,1879 | 940 | 259, 260 | 16 | 560 |
| Evaporator: *See* Sugar-evaporator. | | | | | | | |
| Evaporator | M. Brownell | 213,971 | Apr. 8,1879 | 274 | 79 | 15 | 516 |
| Evaporator | W. J. Sharp | 214,959 | Apr. 29,1879 | 1444 | 402 | 15 | 689 |
| Excavating, System and apparatus for earth | H. A. Carson | 211,620 | Jan. 28,1879 | 650 | 182, 183 | 15 | 89 |
| Exercising-chair | M. V. B. White | 217,918 | July 29,1879 | 1139 | 325, 326 | 16 | 187 |
| Exercising-machine | F. Ashton | 215,389 | May 13,1879 | 474 | 142 | 15 | 767 |
| Exercising-machine | F. G. Johnson | 212,946 | Mar. 4,1879 | 205 | 58 | 15 | 323 |
| Exercising-machine | E. A. Tuttle | 212,284 | Feb. 11,1879 | 528 | 147 | 15 | 196 |
| Exhaust-pipe | J. C. Linnell | 212,611 | Feb. 25,1879 | 946 | 261 | 15 | 263 |
| Explosive compound | A. Dieckerhoff | 215,199 | May 6,1879 | 247 | ..... | 15 | 734 |
| Explosive compound | W. Miller | 212,726 | Feb. 25,1879 | 1059 | ..... | 15 | 278 |
| Explosive compound | A. Monnier | 218,762 | Aug. 19,1879 | 759 | ..... | 16 | 342 |
| Explosive compound | J. Pattison | 220,304 | Oct. 7,1879 | 107 | ..... | 16 | 649 |
| Explosive compound | E. J. Williams | 222,169 | Dec. 2,1879 | 60 | ..... | 16 | 1017 |
| Explosive-fluid can | J. L. Firm | 211,466 | Jan. 21,1879 | 461 | 130 | 15 | 62 |
| Extension-table | J. Stephens | 216,467 | June 10,1879 | 524 | 150 | 15 | 959 |
| Extension-table | C. Utman | 215,415 | May 13,1879 | 505 | 150 | 15 | 770 |
| Extractor: *See* Bolt-extractor. Bung-extractor. Cork-extractor. Grub or sprout extractor. Honey-extractor. Plant-extractor. Stump-extractor. Stump and stone extractor. | | | | | | | |
| Extracts and distilling liquids, Apparatus for making. | M. Cziner | 216,557 | June 17,1879 | 628 | 178 | 15 | 981 |
| Eye-shade | W. B. White | 217,500 | July 15,1879 | 649 | 185 | 16 | 106 |
| Eyeglass-frame | W. Barber | 211,688 | Jan. 28,1879 | 731 | 203 | 15 | 100 |
| Eyeglass-frame | A. S. Weaver | 211,119 | Jan. 7,1879 | 47 | 15 | 15 | 6 |
| Eyeglass-frames, Machine for dressing | F. J. Noechel | 214,786 | Apr. 29,1879 | 1260 | 352 | 15 | 665 |
| Eyeglasses | G. C. Daboll | 217,778 | July 22,1879 | 968 | 278 | 16 | 158 |
| Eyeglasses | M. Thum | 216,812 | June 24,1879 | 927 | 264 | 15 | 1030 |
| Eyeglasses, Nose-clamp for | A. C. Blethen | 222,123 | Dec. 2,1879 | 8 | 2 | 16 | 1009 |
| Eyeglasses, Nose-clamp for | F. Perrin | 220,864 | Oct. 21,1879 | 756 | 202 | 16 | 752 |
| Eyeglasses, Nose-clamp for | N. Watry | 217,835 | July 22,1879 | 1034 | 296 | 16 | 166 |
| Eyelashes, Device for applying color to the | R. Clinton | 221,719 | Nov. 18,1879 | 673 | 188 | 16 | 922 |
| Eyelets and tubular rivets, Setting | A. B. Edmands | 214,030 | Apr. 8,1879 | 342 | 99 | 15 | 525 |
| Eyelets, Tool for setting | A. B. Edmands | 214,031 | Apr. 8,1879 | 343 | 99 | 15 | 525 |
| **F.** | | | | | | | |
| Fabric: *See* Carpet fabric. Elastic fabric. Knit fabric. Textile fabric. Water-proof fabric. | | | | | | | |
| Fabric-folding device | C. O. Manny | 217,889 | July 29,1879 | 1107 | 318 | 16 | 183 |
| Fabrics, Machinery for guiding and stretching | W. Birch | 222,857 | Dec. 23,1879 | 875 | 251 | 16 | 1160 |
| Fan | J. Hay | 212,690 | Feb. 25,1879 | 1018 | 282 | 15 | 272 |
| Fan | M. Rubin | 220,427 | Oct. 7,1879 | 239 | 64 | 16 | 668 |
| Fan, Air-compressing | M. B. Miller | 221,970 | Nov. 25,1879 | 988 | 277 | 16 | 974 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. | | Official Gazette. | |
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| | | | | Spec. | Dr'g. | Vol. | Page. |
| Fan attachment | W. Robinsohn | 221,743 | Nov. 18, 1879 | 699 | 196 | 16 | 926 |
| Fan attachment | W. M. Vestal | 222,968 | Dec. 23, 1879 | 998 | 286 | 16 | 1178 |
| Fan attachment | A. H. Watkins | 218,649 | Aug. 19, 1879 | 639 | 120 | 16 | 326 |
| Fan, Automatic | T. J. Bottoms | 213,164 | Mar. 11, 1879 | 480 | 133 | 15 | 366 |
| Fan, Automatic | A. W. Lozier | 215,527 | May 20, 1879 | 647 | 189 | 15 | 799 |
| Fan, Automatic | F. Rockenbach | 215,978 | May 27, 1879 | 1147 | 333 | 15 | 872 |
| Fan, Automatic | J. Watts | 213,266 | Mar. 11, 1879 | 581 | 162 | 15 | 379 |
| Fan, Extensible | G. Havell and A. G. Williams | 222,494 | Dec. 9, 1879 | 435 | 124 | 16 | 1078 |
| Fan, Fly | R. C. Evans | 211,653 | Jan. 28, 1879 | 693 | 194 | 15 | 95 |
| Fan, Fly | B. J. Feldman and T. Schlag | 213,644 | Mar. 25, 1879 | 1000 | 285 | 15 | 450 |
| Fan or fly-brush, Automatic | J. B. Powell | 214,445 | Apr. 15, 1879 | 851 | 240 | 15 | 598 |
| Fanning-mill | T. M. Bales | 217,317 | July 8, 1879 | 436 | 128 | 16 | 68 |
| Fanning-mill | J. Bennett | 214,805 | Apr. 29, 1879 | 1284 | 359 | 15 | 668 |
| Fanning-mill | E. M. Gilbert | 222,150 | Dec. 2, 1879 | 14 | 4, 5 | 16 | 1010 |
| Fanning-mill | A. W. and C. T. Kendrick | 215,367 | May 13, 1879 | 451 | 136 | 15 | 763 |
| Fanning-mill | D. B. Seibert | 217,645 | July 15, 1879 | 808 | 231 | 16 | 127 |
| Fanning-mill | T. Willson | 217,760 | July 22, 1879 | 949 | 273 | 16 | 155 |
| Fare-box | G. Beadle | 221,496 | Nov. 11, 1879 | 420 | 114, 115 | 16 | 878 |
| Fare-box | V. Hall | 216,952 | July 1, 1879 | 28 | 8 | 16 | 6 |
| Fare-box | W. H. Hornum | 214,661 | Apr. 22, 1879 | 1107 | 310 | 15 | 638 |
| Fare-box | W. H. Hornum | 218,973 | Aug. 26, 1879 | 1022 | 287 | 16 | 388 |
| Fare-box | C. T. Yerkes, jr. | 214,341 | Apr. 15, 1879 | 738 | 206, 207 | 15 | 584 |
| Fare-box for street-cars | H. R. Robbins | 220,661 | Oct. 14, 1879 | 518 | 137 | 16 | 712 |
| Fare-box money-drawer | F. Schlegell | 218,781 | Aug. 19, 1879 | 780 | 222 | 16 | 345 |
| Fare-register | J. B. Benton | 218,421 | Aug. 12, 1879 | 362 | 99, 100 | 16 | 280 |
| Fare-register | R. Gornall | 212,798 | Mar. 4, 1879 | 20 | 7, 8 | 15 | 299 |
| Fare-register | G. E. Hart | 218,735 | Aug. 19, 1879 | 726 | 207 | 16 | 339 |
| Fare-register | W. H. Hornum | 213,657 | Mar. 25, 1879 | 1011 | 288 | 15 | 452 |
| Fare-register | W. H. Hornum | 214,777 | Apr. 29, 1879 | 1248 | 350 | 15 | 664 |
| Fare-register | L. B. Hunt and J. Preston | 223,046 | Dec. 30, 1879 | 1090 | 310, 311 | 16 | 1201 |
| Fare-register | J. W. Meaker | 222,522 | Dec. 9, 1879 | 461 | 132 | 16 | 1081 |
| Fare register, Passenger | F. O. Deschamps | 215,105 | May 6, 1879 | 136 | 40, 41 | 15 | 720 |
| Farm-engines, Fire-box attachment for | H. Gillett | 222,270 | Dec. 2, 1879 | 175 | 46 | 16 | 1032 |
| Farm-gate | T. Aiton | 212,781 | Mar. 4, 1879 | 1 | 1 | 15 | 297 |
| Farm-gate | W. Claypool | 215,882 | May 27, 1879 | 1049 | 306 | 15 | 859 |
| Farm-gate | H. W. Goodwin | 216,035 | June 3, 1879 | 33 | 9 | 15 | 889 |
| Farm-gate | J. Hagerman | 219,577 | Sept. 16, 1879 | 595 | 166 | 16 | 504 |
| Farm-gate | G. Johnson | 220,623 | Oct. 14, 1879 | 479 | 126 | 16 | 707 |
| Farm-gate | W. R. Kramer | 217,801 | July 22, 1879 | 994 | 285 | 16 | 162 |
| Farm-gate | L. C. Pope | 215,393 | May 13, 1879 | 478 | 143 | 15 | 767 |
| Farm-gate | E. L. Rugg | 214,319 | Apr. 15, 1879 | 715 | 200 | 15 | 580 |
| Farm-gate | A. J. Sanborn | 218,024 | Aug. 26, 1879 | 1076 | 303 | 16 | 395 |
| Farm-gate | J. F. Smith | 220,185 | Sept. 30, 1879 | 1309 | 361 | 16 | 620 |
| Farm-gate, Automatic | L. Ferguson | 215,814 | May 27, 1879 | 972 | 284 | 15 | 850 |
| Farm-gate support | S. G. Holyoke | 215,925 | May 27, 1879 | 1094 | 318 | 15 | 864 |
| Farm-gates, Hangings for | W. Peck | 211,585 | Jan. 21, 1879 | 598 | 168 | 15 | 79 |
| Farming apparatus, Steam | W. H. Foye | 220,365 | Oct. 7, 1879 | 171 | 45 | 16 | 658 |
| Fastening strip or clasp | J. H. Weaver | 216,543 | June 17, 1879 | 612 | 174 | 15 | 979 |
| Fastening strip or clasp | J. H. Weaver | 219,609 | Sept. 16, 1879 | 633 | 176 | 16 | 509 |
| Faucet | W. S. Cooper | 218,936 | Aug. 26, 1879 | 985 | 276 | 16 | 384 |
| Faucet | W. C. Coddington | 219,070 | Sept. 2, 1879 | 15 | 5 | 16 | 414 |
| Faucet | W. D. Doremus | 218,165 | Aug. 5, 1879 | 69 | 18 | 16 | 230 |
| Faucet | D. A. Dyer | 219,079 | Sept. 2, 1879 | 26 | 8 | 16 | 416 |
| Faucet | H. W. Fuller | 217,361 | July 8, 1879 | 489 | 142 | 16 | 74 |
| Faucet | J. B. Gathright | 222,889 | Dec. 23, 1879 | 906 | 261 | 16 | 1165 |
| Faucet | J. G. Hess | 218,739 | Aug. 19, 1879 | 732 | 208 | 16 | 339 |
| Faucet | J. Hills | 222,994 | Dec. 30, 1879 | 1033 | 296 | 16 | 1193 |
| Faucet | J. P. Mern | 220,404 | Oct. 7, 1879 | 216 | 58 | 16 | 664 |
| Faucet | A. Moore | 216,627 | June 17, 1879 | 706 | 202 | 15 | 992 |
| Faucet | M. Soellinger | 214,531 | Apr. 22, 1879 | 972 | 273 | 15 | 620 |
| Faucet | R. W. Tavener | 212,283 | Feb. 11, 1879 | 527 | 147 | 15 | 196 |
| Faucet and cock | W. S. Cooper | 222,870 | Dec. 23, 1879 | 887 | 255 | 16 | 1162 |
| Faucet and corkscrew combined, Bottle | W. E. Lant | 219,101 | Sept. 2, 1879 | 49 | 16 | 16 | 419 |
| Faucet and measuring attachment, Self-closing | J. J. Bishop | 214,018 | Apr. 8, 1879 | 330 | 95 | 15 | 523 |
| Faucet and tap attachment | E. Kronenberg and C. Diehl | 213,667 | Mar. 25, 1879 | 1026 | 291 | 15 | 454 |
| Faucet attachment | J. P. Gruber | 219,254 | Sept. 2, 1879 | 229 | 66 | 16 | 441 |
| Faucet, Basin | J. Graves | 211,298 | Jan. 14, 1879 | 260 | 76 | 15 | 34 |
| Faucet, Basin | E. S. Rich | 218,135 | Aug. 5, 1879 | 32 | 9 | 16 | 225 |
| Faucet, Beer | C. Karstens | 221,829 | Nov. 18, 1879 | 808 | 225 | 16 | 940 |
| Faucet-hole cover for ice-boxes | C. Hanson | 212,095 | Feb. 11, 1879 | 318 | 87 | 15 | 168 |
| Faucet-holder, Safety | E. Hunziker | 219,267 | Sept. 2, 1879 | 242 | 69 | 16 | 442 |
| Faucet-joint | N. Spofford | 215,987 | May 27, 1879 | 1154 | 335 | 15 | 873 |
| Faucet, Measuring | D. A. Hauck | 216,675 | June 17, 1879 | 753 | 215 | 15 | 999 |
| Faucet, Registering liquor | W. Williams | 216,990 | July 1, 1879 | 68 | 21 | 16 | 11 |
| Faucet, Self-closing | W. I. Pago | 220,652 | Oct. 14, 1879 | 511 | 135 | 16 | 711 |
| Faucet, Swing | R. Clarke | 220,055 | Sept. 30, 1879 | 1163 | 320 | 16 | 599 |
| Faucet, Vent | W. F. Class | 212,540 | Feb. 25, 1879 | 866 | 239 | 15 | 252 |
| Faucet, Water | H. H. Craigie | 216,661 | June 17, 1879 | 739 | 211 | 15 | 997 |
| Faucets, Automatic weighing attachment for | K. D. Hawley and G. W. Anderson. | 216,567 | June 17, 1879 | 641 | 182 | 15 | 983 |
| Faucets, Measuring attachment for | T. F. Longaker | 211,577 | Jan. 21, 1879 | 586 | 165 | 15 | 78 |
| Feather-renovator | C. A. Akerly | 222,223 | Dec. 2, 1879 | 122 | 31 | 16 | 1025 |
| Feather-renovator | T. E. Livesey | 212,714 | Feb. 25, 1879 | 1044 | 289 | 15 | 276 |
| Feather-renovator | W. A. Lull and P. A. Brainerd | 212,809 | Mar. 4, 1879 | 33 | 11 | 15 | 301 |
| Feather-renovator | T. F. McBride | 213,223 | Mar. 11, 1879 | 535 | 149 | 15 | 374 |
| Feather-renovator | H. N. Rawson | 214,191 | Apr. 8, 1879 | 534 | 152 | 15 | 547 |
| Feather-renovator | E. Schmidt | 215,167 | May 6, 1879 | 213 | 62 | 15 | 729 |
| Feather-renovator | J. T. Sheldon | 214,847 | Apr. 29, 1879 | 1334 | 371 | 15 | 675 |
| Feathers | E. B. Dyer | 222,128 | Dec. 2, 1879 | 13 | 4 | 16 | 1010 |
| Feathers, chenille, &c., Machine for making artificial. | M. Grodzensky | 220,918 | Oct. 28, 1879 | 829 | 222 | 16 | 770 |

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| Feathers for dusters, Machine for preparing | G. M. Richmond | 216,366 | June 10, 1879 | 412 | 118 | 15 | 944 |
| Feathers, Imitation | M. Grodzensky | 219,253 | Sept. 2, 1879 | 228 | 65 | 16 | 441 |
| Feed and vegetable cutter | A. Iske | 221,824 | Nov. 18, 1879 | 802 | 223 | 16 | 939 |
| Feed-bag for horses | E. Forbes | 221,544 | Nov. 11, 1879 | 479 | 130 | 16 | 887 |
| Feed-cutter | A. Hancock | 220,143 | Sept. 30, 1879 | 1259 | 346 | 16 | 613 |
| Feed-cutter | J. N. Tatum and R. C. Harvey | 212,764 | Feb. 25, 1879 | 1100 | 395 | 15 | 284 |
| Feed-water apparatus, Attachment for | B. Clegg | 213,390 | Mar. 18, 1879 | 723 | 203 | 15 | 407 |
| Feed-water cleaner | J. T. Bryant | 217,577 | July 15, 1879 | 733 | 209 | 16 | 118 |
| Feed-water heater | J. Argall | 217,041 | July 1, 1879 | 127 | 37, 38 | 16 | 19 |
| Feed-water heater | J. Argall | 220,563 | Oct. 14, 1879 | 412 | 107 | 16 | 698 |
| Feed-water heater | C. F. Barrett | 211,615 | Jan. 28, 1879 | 646 | 181 | 15 | 89 |
| Feed-water heater | W. B. Craw | 218,859 | Aug. 26, 1879 | 901 | 252 | 16 | 371 |
| Feed-water heater | H. C. De Torres | 211,439 | Jan. 14, 1879 | 431 | 121 | 15 | 55 |
| Feed-water heater | S. A. Goodwin and J. O. Joyce | 213,892 | Apr. 1, 1879 | 176 | 51 | 15 | 495 |
| Feed-water heater | E. Huber | 212,936 | Mar. 4, 1879 | 194 | 54 | 15 | 321 |
| Feed-water heater | R. B. Lincoln, jr | 211,166 | Jan. 7, 1879 | 95 | 30 | 15 | 13 |
| Feed-water heater | S. G. Munn | 216,439 | June 10, 1879 | 496 | 142 | 15 | 955 |
| Feed-water heater | T. Murphy | 211,519 | Jan. 21, 1879 | 522 | 147 | 15 | 69 |
| Feed-water heater | J. Scheles | 217,644 | July 15, 1879 | 808 | 230 | 16 | 127 |
| Feed-water heater | G. W. Storer | 213,003 | Mar. 4, 1879 | 272 | 76 | 15 | 332 |
| Feed-water heater | W. H. D. Sweet | 212,117 | Feb. 11, 1879 | 346 | 94 | 15 | 172 |
| Feed-water heater and condenser for steam-boilers | R. Llewellyn | 218,446 | Aug. 12, 1879 | 390 | 107 | 16 | 283 |
| Feed-water heater and regulator for steam-boilers | J. Pool | 211,781 | Jan. 28, 1879 | 838 | 235 | 15 | 114 |
| Feed-water in steam-boilers, Purifying | S. J. Hayes, E. T. Jeffery, and H. Schlacks. | 211,326 | Jan. 14, 1879 | 302 | 90 | 15 | 40 |
| Feed-water regulator | T. E. Button | 222,452 | Dec. 9, 1879 | 378 | 107 | 16 | 1070 |
| Feed-water to boilers, Device for supplying | S. M. Fulton | 216,173 | June 3, 1879 | 174 | 52 | 15 | 907 |
| Feeding apparatus for stables, Automatic | C. A. Parker | 211,773 | Jan. 28, 1879 | 825 | 231 | 15 | 113 |
| Feeding-device for horses, Automatic | S. S. Williams | 221,887 | Nov. 18, 1879 | 868 | 243 | 16 | 949 |
| Feeding sheep, Rack for | A. C. Martindale | 212,027 | Feb. 4, 1879 | 229 | 64 | 15 | 155 |
| Felly-plate | C. Cremer | 223,032 | Dec. 30, 1879 | 1073 | 306 | 16 | 1199 |
| Felted fabrics, Manufacture of | E. Waite | 216,986 | July 1, 1879 | 64 | 20 | 16 | 11 |
| Fence | J. H. Bailey | 211,491 | Jan. 21, 1879 | 486 | 137 | 15 | 65 |
| Fence | N. N. Blake | 217,323 | July 8, 1879 | 441 | 130 | 16 | 68 |
| Fence | C. Camp | 215,570 | May 20, 1879 | 698 | 204 | 15 | 805 |
| Fence | J. R. Elliott | 213,882 | Apr. 1, 1879 | 166 | 49 | 15 | 494 |
| Fence | W. L. Farr and L. Easton | 214,499 | Apr. 22, 1879 | 922 | 260 | 15 | 615 |
| Fence | F. E. Fish | 215,599 | May 20, 1879 | 731 | 213 | 15 | 810 |
| Fence | S. H. Gregg | 221,055 | Oct. 28, 1879 | 1002 | 266 | 16 | 793 |
| Fence | B. H. Hargrave | 217,372 | July 8, 1879 | 499 | 145 | 16 | 76 |
| Fence | P. Herzog | 211,657 | Jan. 28, 1879 | 697 | 195 | 15 | 96 |
| Fence | A. G. Hulbert | 218,747 | Aug. 19, 1879 | 739 | 210 | 16 | 340 |
| Fence | J. W. Legore | 215,825 | May 27, 1879 | 985 | 287 | 15 | 851 |
| Fence | R. M. V. Lovins | 219,406 | Sept. 9, 1879 | 414 | 115 | 16 | 472 |
| Fence | A. J. Marks | 217,391 | July 8, 1879 | 515 | 149 | 16 | 77 |
| Fence | G. S. Martin | 222,925 | Dec. 23, 1879 | 949 | 273 | 16 | 1171 |
| Fence | B. F. McCollester | 215,382 | May 13, 1879 | 467 | 140 | 15 | 766 |
| Fence | R. H. Mong | 218,188 | Aug. 5, 1879 | 94 | 25 | 16 | 233 |
| Fence | A. G. Powell | 213,932 | Apr. 1, 1879 | 213 | 63 | 15 | 500 |
| Fence | W. V. Russell | 214,956 | Apr. 29, 1879 | 1441 | 401 | 15 | 689 |
| Fence | W. H. Seat | 216,353 | June 10, 1879 | 398 | 113 | 15 | 942 |
| Fence | J. W. Temby | 215,183 | May 6, 1879 | 226 | 66 | 15 | 731 |
| Fence | W. B. Vanvleet | 218,342 | Aug. 5, 1879 | 260 | 70 | 16 | 255 |
| Fence | W. R. White | 213,599 | Mar. 25, 1879 | 950 | 270 | 15 | 444 |
| Fence | M. Whitney | 214,859 | Apr. 29, 1879 | 1347 | 374 | 15 | 676 |
| Fence | D. Wright | 213,799 | Apr. 1, 1879 | 75 | 24 | 15 | 482 |
| Fence and gate, Chain | S. June | 216,417 | June 10, 1879 | 470 | 135 | 15 | 951 |
| Fence and gate, Portable | A. H. Hart | 218,172 | Aug. 5, 1879 | 76 | 20 | 16 | 231 |
| Fence, Barb | T. C. Lord | 218,290 | Aug. 5, 1879 | 204 | 55 | 16 | 248 |
| Fence barb, Wire | C. P. Parker | 211,863 | Feb. 4, 1879 | 49 | 15 | 15 | 132 |
| Fence, Barb-wire | T. Shuman | 215,404 | May 13, 1879 | 492 | 146 | 15 | 769 |
| Fence, Barbed | J. Brinkerhoff | 214,095 | Apr. 8, 1879 | 439 | 124 | 15 | 535 |
| Fence, Barbed | J. and W. M. Brinkerhoff | 219,143 | Sept. 2, 1879 | 96 | 28 | 16 | 425 |
| Fence, Barbed | H. R. Burroughs | 219,067 | Sept. 2, 1879 | 11 | 4 | 16 | 414 |
| Fence, Barbed | E. M. Crandal | 221,158 | Nov. 4, 1879 | 22 | 6 | 16 | 815 |
| Fence, Barbed | G. M. Fish | 218,373 | Aug. 12, 1879 | 310 | 84 | 16 | 272 |
| Fence, Barbed | T. Shuman | 211,349 | Jan. 14, 1879 | 327 | 96 | 15 | 43 |
| Fence, Barbed | J. Winterbotham | 212,080 | Feb. 4, 1879 | 292 | 80 | 15 | 162 |
| Fence, Barbed-wire | N. G. Ross | 216,294 | June 10, 1879 | 326 | 96 | 15 | 933 |
| Fence, Barbed-wire | S. M. Stevens | 222,747 | Dec. 16, 1879 | 735 | 211 | 16 | 1130 |
| Fence, Barbed-wire | J. H. Weaver | 220,740 | Oct. 21, 1879 | 620 | 166 | 16 | 734 |
| Fence, Barbed-wire | E. V. Wilkes | 216,637 | June 17, 1879 | 714 | 204 | 15 | 993 |
| Fence-barbs, Die for forming | W. Jenkins | 222,976 | Dec. 23, 1879 | 1007 | 289 | 16 | 1180 |
| Fence-barbs from wire, Machine for cutting | J. Neimeyer | 213,237 | Mar. 11, 1879 | 550 | 153 | 15 | 376 |
| Fence-barbs, Machine for cutting and forming sheet-metal. | E. and A. G. Children | 212,091 | Feb. 11, 1879 | 314 | 86, 87 | 15 | 167 |
| Fence-barbs, Machine for making | R. A. Belden | 216,594 | June 17, 1879 | 672 | 192 | 15 | 988 |
| Fence, Combined wood and wire | A. F. Pruden | 218,060 | July 29, 1879 | 1291 | 370 | 16 | 207 |
| Fence, Farm | A. R. Sprout | 219,319 | Sept. 2, 1879 | 302 | 85 | 16 | 450 |
| Fence, Flood | A. J. Heady | 221,554 | Nov. 11, 1879 | 490 | 134 | 16 | 888 |
| Fence-gate | I. S. Cory | 211,496 | Jan. 21, 1879 | 491 | 139 | 15 | 66 |
| Fence-hook | J. and W. M. Brinkerhoff | 216,778 | June 24, 1879 | 889 | 252 | 15 | 1026 |
| Fence, Iron | K. D. Dodge | 216,028 | June 3, 1879 | 26 | 7 | 15 | 888 |
| Fence, Iron | B. C. Lanth | 220,392 | Oct. 7, 1879 | 203 | 55 | 16 | 663 |
| Fence, Iron | T. Rogers | 211,933 | Feb. 4, 1879 | 125 | 36 | 15 | 142 |
| Fence, Iron | T. Rogers | 211,934 | Feb. 4, 1879 | 126 | 37 | 15 | 142 |
| Fence, Iron | I. L. Sherman | 213,947 | Apr. 1, 1879 | 226 | 66 | 15 | 502 |
| Fence link, Barb | C. A. Shermau | 221,427 | Nov. 11, 1879 | 336 | 93 | 16 | 863 |
| Fence machine, Barb | S. M. Stevens | 222,608 | Dec. 16, 1879 | 583 | 166 | 16 | 1108 |
| Fence, Metal | J. B. Wickersham | 212,075 | Feb. 4, 1879 | 288 | 79 | 15 | 161 |
| Fence-panel fastening, Portable | L. Whitney | 219,610 | Sept. 16, 1879 | 634 | 176 | 16 | 509 |
| Fence, Portable | C. D. A. Curry | 211,498 | Jan. 21, 1879 | 493 | 140 | 15 | 66 |
| Fence, Portable | P. Huffman | 214,146 | Apr. 8, 1879 | 451 | 139 | 15 | 542 |
| Fence, Portable | J. Landis | 216,742 | June 24, 1879 | 845 | 241 | 15 | 1020 |
| Fence, Portable | A. T. Morris | 211,768 | Jan. 28, 1879 | 818 | 230 | 15 | 112 |

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| Fence, Portable | W. G. Poston, W. M. Stevens, and W. A. Siders. | 216,757 | June 24, 1879 | 865 | 246 | 15 | 1022 |
| Fence, Portable | F. M. Snook | 222,746 | Dec. 16, 1879 | 734 | 211 | 16 | 1130 |
| Fence, Portable | A. J. Truxell | 220,683 | Oct. 14, 1879 | 542 | 143 | 16 | 716 |
| Fence-post | G. D. Baily | 212,784 | Mar. 4, 1879 | 6 | 2 | 15 | 297 |
| Fence-post | E. L. Case | 216,378 | June 10, 1879 | 429 | 122 | 15 | 946 |
| Fence-post | C. B. De Wolfe | 221,449 | Nov. 11, 1879 | 360 | 99 | 16 | 871 |
| Fence-post | R. H. Eddy | 217,703 | Sept. 16, 1879 | 745 | 206 | 16 | 524 |
| Fence-post | J. Frazier | 215,447 | May 20, 1879 | 556 | 163 | 15 | 786 |
| Fence-post | L. C. Grant | 213,506 | Mar. 25, 1879 | 846 | 240 | 15 | 431 |
| Fence-post | J. Hayne | 216,037 | June 3, 1879 | 34 | 10 | 15 | 889 |
| Fence-post | P. H. Inman | 213,993 | Apr. 8, 1879 | 297 | 86 | 15 | 519 |
| Fence-post | K. McKinnon | 216,052 | June 3, 1879 | 52 | 14 | 15 | 891 |
| Fence-post | B. P. Morrison | 219,003 | Aug. 26, 1879 | 1055 | 298 | 16 | 393 |
| Fence-post | H. S. Palmer | 212,868 | Mar. 4, 1879 | 101 | 30 | 15 | 311 |
| Fence-post | R. C. Ramsey | 215,294 | May 13, 1879 | 389 | 115 | 15 | 754 |
| Fence-post | R. C. Ramsey | 220,988 | Oct. 28, 1879 | 924 | 246 | 16 | 782 |
| Fence-post | E. C. Sturdivant | 214,323 | Apr. 15, 1879 | 718 | 201 | 15 | 581 |
| Fence-post | G. Swenson | 215,490 | May 20, 1879 | 608 | 178 | 15 | 793 |
| Fence-post | R. L. Taylor | 221,878 | Nov. 18, 1879 | 859 | 240 | 16 | 947 |
| Fence post and fastening, Wire | F. Johnson and F. Eccleston | 212,706 | Feb. 25, 1879 | 1036 | 287 | 15 | 274 |
| Fence-post-boring machine | I. S. Heddings | 218,023 | July 29, 1879 | 1253 | 358 | 16 | 202 |
| Fence-post for wire fences, Iron | J. W. Jackman | 216,855 | June 24, 1879 | 980 | 278 | 15 | 1037 |
| Fence-post, Iron | J. Carpenter | 218,229 | Aug. 5, 1879 | 139 | 38 | 16 | 239 |
| Fence-post, Iron | S. Metzler | 213,054 | Mar. 11, 1879 | 341 | 96 | 15 | 349 |
| Fence-post, Iron | J. Vacare | 211,442 | Jan. 14, 1879 | 434 | 122 | 15 | 56 |
| Fence-post, Metal | D. S. Mathias | 214,677 | Apr. 22, 1879 | 1125 | 315 | 15 | 640 |
| Fence-post, Metallic | A. Cary and T. S. Blair | 213,320 | May 13, 1879 | 411 | 122 | 15 | 758 |
| Fence-post, Metallic | W. J. Lewis | 212,238 | Feb. 11, 1879 | 478 | 132 | 15 | 189 |
| Fence, Rail | B. A. Welds | 220,892 | Oct. 21, 1879 | 790 | 211 | 16 | 756 |
| Fence twister, Metallic | J. and W. M. Brinkerhoff | 216,779 | June 24, 1879 | 890 | 253 | 15 | 1026 |
| Fence, Wire | L. W. Bosart | 220,746 | Oct. 21, 1879 | 624 | 167 | 16 | 734 |
| Fence-wire, Barbed | J. A. Duncan | 218,566 | Aug. 12, 1879 | 465 | 130 | 16 | 294 |
| Fence-wire, Barbed | S. H. Gregg | 221,300 | Nov. 4, 1879 | 176 | 47 | 16 | 836 |
| Fence, Wire-barbed | A. M. Munson | 214,417 | Apr. 15, 1879 | 825 | 231 | 15 | 594 |
| Fence-wire, Barbed | F. Swan | 216,258 | June 10, 1879 | 404 | 116 | 15 | 942 |
| Fence-wire, Barbed | H. M. Vaughan | 212,874 | Mar. 4, 1879 | 110 | 32 | 15 | 312 |
| Fence-wire in the coil, Galvanizing barbed | J. McVoy | 211,247 | Jan. 7, 1879 | 183 | 54 | 15 | 24 |
| Fence-wire, Machine for barbing | G. C. Baker | 217,673 | July 22, 1879 | 862 | 246 | 16 | 143 |
| Fence-wire, Machine for making barbed | F. Billings | 213,966 | Apr. 8, 1879 | 269 | 77, 78 | 15 | 515 |
| Fence-wire stretcher | T. E. Clark and W. W. Orris | 222,613 | Nov. 25, 1879 | 1028 | 288 | 16 | 979 |
| Fence-wire stretcher | E. M. Crandal | 217,200 | July 8, 1879 | 317 | 93 | 16 | 52 |
| Fence-wire tightener | J. H. Erb | 211,159 | Jan. 7, 1879 | 67 | 21 | 15 | 9 |
| Fence-wires, Machine for barbing | A. Cary | 217,657 | July 15, 1879 | 834 | 238 | 16 | 131 |
| Fence-wires, Machine for barbing | E. P. Peacock | 215,769 | May 27, 1879 | 915 | 269 | 15 | 843 |
| Fences, Barb-wire for | W. H. Wager | 214,211 | Apr. 8, 1879 | 560 | 158 | 15 | 551 |
| Fences, Barbed top for | W. Osmond | 222,526 | Dec. 9, 1879 | 467 | 133 | 16 | 1081 |
| Fences, Indicator for barbed-wire | E. M. Crandal | 220,912 | Oct. 28, 1879 | 824 | 220 | 16 | 769 |
| Fences, Metallic post for wire | R. E. Dietz | 217,516 | July 15, 1879 | 666 | 190 | 15 | 109 |
| Fencing, Barb for wire | J. S. Crowell | 215,888 | May 27, 1879 | 1055 | 308 | 15 | 860 |
| Fencing-strip | F. Woods | 214,860 | Apr. 29, 1879 | 1347 | 375 | 15 | 676 |
| Fender: *See* Car-wheel fender. Car-window dust fender. Carriage-fender. Cultivator-fender. Harvester-rake fender. Smoke and cinder fender. Stove-fender. Tree-fender. | | | | | | | |
| Fender | H. C. Kring | 219,163 | Sept. 2, 1879 | 118 | 34 | 16 | 427 |
| Fermenting-casks, Apparatus for regulating pressure in. | A. J. Ulscht, A. Linn, and D. Lang. | 217,176 | July 1, 1879 | 273 | 81 | 16 | 38 |
| Fermenting-vat | F. Littmann | 216,335 | June 10, 1879 | 382 | 109 | 15 | 940 |
| Ferro-cyanides, Process of and apparatus for making. | J. Tcherniac and U. Günzburg | 222,547 | Dec. 9, 1879 | 496 | 140 | 16 | 1085 |
| Ferrule for cant-hooks | A. Sanford | 220,093 | Sept. 30, 1879 | 1208 | 333 | 16 | 605 |
| Fertilizer | J. Ingmanson | 211,238 | Jan. 7, 1879 | 175 | ..... | 15 | 23 |
| Fertilizer-distributer | T. J. Carter | 216,377 | June 10, 1879 | 428 | 121 | 15 | 946 |
| Fertilizer-distributer | S. H. Everett | 222,478 | Dec. 9, 1879 | 421 | 119 | 16 | 1070 |
| Fertilizer-distributer | W. Hodges | 216,678 | June 17, 1879 | 757 | 216 | 15 | 999 |
| Fertilizer-distributer | S. S. Morton | 215,535 | May 20, 1879 | 657 | 191 | 15 | 800 |
| Fertilizer-distributer and seed-drill | A. F. Gibboney | 222,892 | Dec. 23, 1879 | 909 | 262 | 16 | 1165 |
| Fertilizer-distributer and seed-planter | T. S. Smith | 213,303 | Mar. 18, 1879 | 636 | 179 | 15 | 395 |
| Fertilizer-distributers, Feed-cup for | W. Marks and G. Jessup | 213,053 | Mar. 11, 1879 | 339 | 95 | 15 | 349 |
| Fertilizer-distributers, Feed-cup for | W. Marks and G. Jessup | 217,628 | July 15, 1879 | 791 | 225 | 16 | 125 |
| Fertilizer-dropper and hill-marker, Combined | G. H. Pease | 223,065 | Dec. 30, 1879 | 1113 | 316 | 16 | 1204 |
| Fertilizers, Apparatus for the manufacture of | H. P. Judson | 217,877 | July 29, 1879 | 1094 | 314 | 16 | 181 |
| Fertilizers, Apparatus for treating animal matters for. | J. McLaren | 217,701 | July 22, 1879 | 893 | 254, 255 | 16 | 148 |
| Fiber, Animal | J. A. Southmayd | 213,949 | Apr. 1, 1879 | 227 | 67 | 15 | 502 |
| Fiber and hair, Machine for cleaning | T. McAuley | 211,757 | Jan. 28, 1879 | 809 | 227 | 15 | 111 |
| Fiber from mixed fabrics, Treating | J. Wilkins | 211,609 | Jan. 21, 1879 | 623 | ..... | 15 | 83 |
| Fibers in mixed fabrics, Separating animal from vegetable. | J. Wilkins | 214,222 | Apr. 8, 1879 | 571 | ..... | 15 | 552 |
| Fibers, Machine for cleaning and extracting | P. Sanchez | 221,365 | Nov. 4, 1879 | 254 | 69 | 16 | 847 |
| Fibers, Machine for separating | J. A. Southmayd | 213,950 | Apr. 1, 1879 | 228 | 67 | 15 | 502 |
| Fibers, Separating animal from vegetable | G. M., 2d, and A. L. Rice | 211,109 | Jan. 7, 1879 | 35 | ..... | 15 | 5 |
| Fibrous material, Apparatus for treating | G. M., 2d, and A. L. Rice | 211,788 | Jan. 28, 1879 | 846 | 237 | 15 | 116 |
| Fibrous substances, &c., Treating vegetable | W. Courtenay | 217,448 | July 15, 1879 | 596 | ..... | 16 | 100 |
| Field-roller | T. S. Monger | 214,428 | Apr. 15, 1879 | 834 | 234 | 15 | 595 |
| Fifth-wheel | C. B. Lewis | 213,291 | Mar. 18, 1879 | 625 | 176 | 15 | 393 |
| Fifth-wheel blanks, Die for forming | D. Wilcox | 221,886 | Nov. 18, 1879 | 867 | 242 | 16 | 949 |
| Fifth-wheel for vehicles | J. W. Findley | 214,766 | Apr. 29, 1879 | 1235 | 346 | 15 | 662 |
| Fifth-wheel for vehicles | M. J. Kauffmann | 214,400 | Apr. 15, 1879 | 806 | 226 | 15 | 592 |
| Fifth-wheels for vehicles, Device for the manufacture of. | W. Groshans | 217,870 | July 29, 1879 | 1086 | 312 | 16 | 180 |
| Fifth-wheel, Vehicle | J. A. Bilz | 216,551 | June 17, 1879 | 619 | 176 | 15 | 980 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. | | Official Gazette. | |
|---|---|---|---|---|---|---|---|
| | | | | Spec. | Dr'g. | Vol. | Page. |
| Fifth-wheel, Vehicle | W. W. Grier and H. Barr | 217, 611 | July 15, 1879 | 772 | 219 | 16 | 122 |
| Fifth-wheel, Vehicle | W. J. Lackie | 221, 831 | Nov. 18, 1879 | 810 | 225 | 16 | 940 |
| Fifth-wheel, Vehicle | D. M. McMaster | 223, 001 | Dec. 30, 1879 | 1041 | 299 | 16 | 1195 |
| Fifth-wheel, Vehicle | J. Spreyer, sr | 217, 826 | July 22, 1879 | 1022 | 293 | 16 | 165 |
| Fifth-wheel, Vehicle | C. G. Wells | 216, 988 | July 1, 1879 | 67 | 20 | 16 | 11 |
| Fifth-wheel, Vehicle | G. K. Wilhelm | 219, 888 | Sept. 23, 1879 | 954 | 264 | 16 | 562 |
| File and holder, Paper | J. C. Moore | 221, 339 | Nov. 4, 1879 | 228 | 62 | 16 | 844 |
| File, Bill | J. Bell | 219, 062 | Sept. 2, 1879 | 6 | 2 | 16 | 413 |
| File, Bill | F. W. Brainerd and J. S. Fifield | 222, 810 | Dec. 23, 1879 | 815 | 233 | 16 | 1152 |
| File, Bill | E. H. Owen | 212, 493 | Feb. 18, 1879 | 787 | 218 | 15 | 233 |
| File, Bill | M. Posz | 212, 979 | Mar. 4, 1879 | 246 | 67 | 15 | 328 |
| File, Bill | W. H. Russell | 214, 588 | Apr. 22, 1879 | 1032 | 290 | 15 | 628 |
| File, Bill | L. R. Shipman | 215, 248 | May 13, 1879 | 319 | 94 | 15 | 746 |
| File case or box | S. Duryee | 213, 040 | Mar. 11, 1879 | 327 | 92 | 15 | 347 |
| File-holder | C. E. Cochrane | 216, 657 | June 17, 1879 | 734 | 210 | 15 | 996 |
| File, Letter | J. F. Tapley | 213, 852 | Apr. 1, 1879 | 131 | 39 | 15 | 489 |
| File, Newspaper | J. J. Christie | 218, 488 | Aug. 12, 1879 | 445 | 124 | 16 | 290 |
| File, Paper | B. Greig | 221, 809 | Nov. 18, 1879 | 788 | 219 | 16 | 937 |
| File, Paper | D. W. Lapham | 214, 405 | Apr. 15, 1879 | 811 | 227, 228 | 15 | 592 |
| Files, Recutting | M. J. Murphy | 212, 490 | Feb. 18, 1879 | 784 | ..... | 15 | 233 |
| Filter | P. Brady | 212, 089 | Feb. 11, 1879 | 313 | 86 | 15 | 167 |
| Filter | B. P. Chatfield | 212, 658 | Feb. 25, 1879 | 990 | 275 | 15 | 269 |
| Filter | A. S. Cook | 221, 446 | Nov. 11, 1879 | 357 | 98 | 16 | 870 |
| Filter | J. Grant | 213, 896 | Apr. 1, 1879 | 179 | 52 | 15 | 495 |
| Filter | E. W. Kidney | 215, 938 | May 27, 1879 | 1110 | 322 | 15 | 866 |
| Filter | J. W. Lefferts | 212, 477 | Feb. 18, 1879 | 772 | 213 | 15 | 231 |
| Filter | O. Long | 222, 977 | Dec. 23, 1879 | 1008 | 289 | 16 | 1180 |
| Filter | A. Mackey | 220, 081 | Sept. 30, 1879 | 1190 | 328 | 16 | 603 |
| Filter | C. Maenrer | 212, 023 | Feb. 4, 1879 | 224 | 63 | 15 | 154 |
| Filter | J. B. Shaler | 217, 906 | July 29, 1879 | 1125 | 322 | 16 | 185 |
| Filter | L. S. Weed | 218, 351 | Aug. 5, 1879 | 269 | 73 | 16 | 256 |
| Filter and cooler, Combined | E. B. Jewett | 219, 817 | Sept. 23, 1879 | 887 | 244 | 16 | 553 |
| Filter and supply-pipe, Combined | J. Gainey | 219, 931 | Sept. 23, 1879 | 1005 | 279 | 16 | 570 |
| Filter-press | A. Drevermann | 215, 108 | May 6, 1879 | 141 | 41, 42, 43 | 15 | 720 |
| Filter-press | A. Wegelin | 220, 686 | Oct. 14, 1879 | 545 | 144 | 16 | 716 |
| Filter, Tea and coffee | H. C. Rice | 217, 408 | July 8, 1879 | 536 | 154 | 16 | 80 |
| Filter, Water | I. Brach | 218, 424 | Aug. 12, 1879 | 370 | 101 | 16 | 281 |
| Filter, Water | A. H. Peterson | 222, 731 | Dec. 16, 1879 | 718 | 206 | 16 | 1128 |
| Filter, Water | W. E. Puffer | 219, 516 | Sept. 9, 1879 | 525 | 147 | 16 | 488 |
| Filter, Water | T. Tripp | 221, 198 | Nov. 4, 1879 | 65 | 17 | 16 | 821 |
| Filter, Water | J. Willsey | 219, 839 | Sept. 23, 1879 | 906 | 250 | 16 | 556 |
| Filterer and cut-off, Combination | H. R. Love | 218, 635 | Aug. 19, 1879 | 625 | 176 | 16 | 324 |
| Filterer and cut-off, Self-adjusting | A. W. Morgan | 219, 591 | Sept. 16, 1879 | 610 | 170 | 16 | 506 |
| Filters, Composition for water | J. B. Aderaîné | 217, 970 | July 29, 1879 | 1192 | 342 | 16 | 194 |
| Filtering apparatus | A. H. Peterson | 211, 640 | Jan. 28, 1879 | 679 | 190 | 15 | 93 |
| Filtering semi-fluids under pressure, Apparatus for | W. Needham, J. and J. Kite, 2d | 213, 236 | Mar. 11, 1879 | 549 | 152, 153 | 15 | 375 |
| Finger-nail cleaner and envelope-opener, Combined | C. P. Tener | 217, 429 | July 8, 1879 | 557 | 160 | 16 | 82 |
| Finger-nail cutter | A. McDonald | 218, 391 | Aug. 12, 1879 | 329 | 90 | 16 | 275 |
| Finger-ring | R. W. Edwards | 211, 558 | Jan. 21, 1879 | 562 | 159 | 15 | 75 |
| Finger-ring | C. M. Halsey | 221, 728 | Nov. 18, 1879 | 685 | 191 | 16 | 924 |
| Finger-rings, Adjusting attachment for | C. H. Wells | 216, 492 | June 10, 1879 | 547 | 156 | 15 | 962 |
| Fire-alarm | T. N. Roberts | 216, 576 | June 17, 1879 | 651 | 185 | 15 | 984 |
| Fire-alarm and fire-extinguisher, Combined | J. W. Smith | 220, 674 | Oct. 14, 1879 | 533 | 141 | 16 | 714 |
| Fire-alarm, Automatic | P. H. Van Der Weyde | 213, 536 | Mar. 25, 1879 | 878 | 251 | 15 | 435 |
| Fire-alarm box, Automatic | C. H. Pond and A. Tenney | 212, 818 | Mar. 4, 1879 | 41 | 14 | 15 | 303 |
| Fire-alarm box, Electric | T. A. Neely | 214, 944 | Apr. 29, 1879 | 1428 | 397 | 15 | 687 |
| Fire-alarm box, Non-interfering | A. H. Palmer | 220, 088 | Sept. 30, 1879 | 1202 | 331 | 16 | 604 |
| Fire-alarm box, Non-interfering | C. H. Pond | 212, 869 | Mar. 4, 1879 | 101 | 30 | 15 | 311 |
| Fire-alarm-telegraph box, Non-interfering | A. W. Gray | 220, 754 | Oct. 21, 1879 | 635 | 169 | 16 | 736 |
| Fire-arm | J. Bowles | 213, 616 | Mar. 25, 1879 | 968 | 274, 275 | 15 | 446 |
| Fire-arm | G. W. Cilley | 215, 721 | May 27, 1879 | 870 | 255 | 15 | 836 |
| Fire-arm | N. R. Davis | 217, 001 | July 1, 1879 | 78 | 24 | 16 | 12 |
| Fire-arm, Breech-loading | H. Bader | 216, 012 | June 3, 1879 | 1 | 1 | 15 | 885 |
| Fire-arm, Breech-loading | J. M. Browning | 220, 271 | Oct. 7, 1879 | 67 | 18 | 16 | 644 |
| Fire-arm, Breech-loading | H. A. Buck | 214, 098 | Apr. 8, 1879 | 441 | 125 | 15 | 535 |
| Fire-arm, Breech-loading | J. Deeley and J. S. Edge, jr | 212, 593 | Feb. 25, 1879 | 925 | 256 | 15 | 260 |
| Fire-arm, Breech-loading | W. R. Finch | 215, 445 | May 20, 1879 | 554 | 162 | 15 | 786 |
| Fire-arm, Breech-loading | C. Foehl | 222, 991 | Dec. 30, 1879 | 1029 | 295 | 16 | 1193 |
| Fire-arm, Breech-loading | F. W. Freund | 211, 728 | Jan. 28, 1879 | 776 | 218 | 15 | 106 |
| Fire-arm, Breech-loading | F. W. Freund | 216, 084 | June 3, 1879 | 84 | 24 | 15 | 895 |
| Fire-arm, Breech-loading | H. Goodman | 212, 459 | Feb. 18, 1879 | 751 | 207 | 15 | 229 |
| Fire-arm, Breech-loading | L. L. Hepburn | 220, 285 | Oct. 7, 1879 | 82 | 22 | 16 | 646 |
| Fire-arm, Breech-loading | C. A. King | 213, 760 | Apr. 1, 1879 | 32 | 10 | 15 | 477 |
| Fire arm, Breech-loading | L. A. Merriam | 217, 134 | July 1, 1879 | 231 | 66 | 16 | 32 |
| Fire-arm, Breech-loading | J. Peightal | 220, 655 | Oct. 14, 1879 | 513 | 135 | 16 | 711 |
| Fire-arm, Breech-loading | J. Purdey | 220, 657 | Oct. 14, 1879 | 515 | 136 | 16 | 712 |
| Fire-arm lock | A. E. Barthel | 220, 785 | Oct. 21, 1879 | 678 | 179, 180 | 16 | 741 |
| Fire-arm lock | A. E. Barthel | 221, 145 | Nov. 4, 1879 | 4 | 2 | 16 | 813 |
| Fire-arm lock | M. Kaufmann and J. Warnant | 212, 473 | Feb. 18, 1879 | 768 | 212 | 15 | 231 |
| Fire-arm lock | A. E. Whitmore | 211, 818 | Jan. 28, 1879 | 879 | 247 | 15 | 120 |
| Fire-arm, Magazine | P. Bergersan | 215, 557 | May 20, 1879 | 682 | 200 | 15 | 803 |
| Fire-arm, Magazine | A. Burgess | 213, 866 | Apr. 1, 1879 | 149 | 44 | 15 | 492 |
| Fire-arm, Magazine | A. Burgess | 213, 867 | Apr. 1, 1879 | 149 | 44 | 15 | 492 |
| Fire-arm, Magazine | A. Burgess | 213, 868 | Apr. 1, 1879 | 150 | 44 | 15 | 492 |
| Fire-arm, Magazine | A. Burgess | 213, 869 | Apr. 1, 1879 | 151 | 45 | 15 | 492 |
| Fire-arm, Magazine | A. Burgess | 216, 080 | June 3, 1879 | 80 | 23 | 15 | 895 |
| Fire-arm, Magazine | A. Burgess | 222, 008 | Nov. 25, 1879 | 1024 | 287 | 16 | 978 |
| Fire-arm, Magazine | R. S. Chaffee | 212, 657 | Feb. 25, 1879 | 989 | 274 | 15 | 269 |
| Fire-arm, Magazine | W. H. Elliot | 218, 371 | Aug. 12, 1879 | 306 | 84 | 16 | 272 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
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| Fire-arm, Magazine | G. F. Evans | 213, 555 | Mar. 25, 1879 | 902 | 258 | 15 | 438 |
| Fire-arm, Magazine | B. C. Gough | 214, 123 | Apr. 8, 1879 | 468 | 133 | 15 | 539 |
| Fire-arm, Magazine | S. T. Harrison | 216, 848 | June 24, 1879 | 971 | 276 | 15 | 1036 |
| Fire-arm, Magazine | B. F. Joslyn | 222, 912 | Dec. 23, 1879 | 934 | 268 | 16 | 1169 |
| Fire-arm, Magazine | S. V. Kennedy | 215, 227 | May 13, 1879 | 295 | 86 | 15 | 742 |
| Fire-arm, Magazine | J. Lee | 221, 328 | Nov. 4, 1879 | 213 | 58, 59 | 16 | 842 |
| Fire-arm, Magazine | J. M. Marlin | 222, 064 | Nov. 25, 1879 | 1085 | 304, 305 | 16 | 987 |
| Fire-arm, Magazine | J. M. Marlin | 222, 414 | Dec. 9, 1879 | 334 | 94 | 16 | 1065 |
| Fire-arm, Magazine | L. A. Merriam | 212, 105 | Feb. 11, 1879 | 330 | 91 | 15 | 169 |
| Fire-arm, Magazine | J. J. Sweeney and W. W. Wetmore. | 220, 734 | Oct. 21, 1879 | 613 | 164 | 16 | 733 |
| Fire-arm, Magazine | F. W. Tiesing | 222, 749 | Dec. 16, 1879 | 737 | 212 | 16 | 1130 |
| Fire-arm, Magazine | D. B. Wesson | 217, 562 | July 15, 1879 | 718 | 205 | 16 | 116 |
| Fire-arm, Magazine | W. W. Wetmore | 213, 538 | Mar. 25, 1879 | 883 | 252 | 15 | 435 |
| Fire-arm, Magazine | W. W. Wetmore | 219, 886 | Sept. 23, 1879 | 953 | 263 | 16 | 562 |
| Fire-arm, Revolving | A. E. Barthel | 221, 146 | Nov. 4, 1879 | 6 | 2 | 16 | 813 |
| Fire-arm, Revolving | W. H. Bell | 223, 101 | Dec. 30, 1879 | 1159 | 327 | 16 | 1210 |
| Fire-arm, Revolving | R. F. Cook and J. Rider | 215, 507 | May 20, 1879 | 627 | 183 | 15 | 796 |
| Fire-arm, Revolving | J. C. Hodges and A. A. Hull | 217, 218 | July 8, 1879 | 337 | 100 | 16 | 55 |
| Fire-arm, Revolving | A. Hyde | 221, 171 | Nov. 4, 1879 | 38 | 11 | 16 | 817 |
| Fire-arm, Revolving | I. Johnson and M. Bye | 212, 606 | Feb. 25, 1879 | 940 | 260 | 15 | 262 |
| Fire-arm, Revolving | B. F. Joslyn | 211, 743 | Jan. 28, 1879 | 795 | 223 | 15 | 108 |
| Fire-arm, Revolving | J. M. Marlin | 222, 065 | Nov. 25, 1879 | 1087 | 305 | 16 | 988 |
| Fire-arm, Revolving | J. M. Marlin | 222, 066 | Nov. 25, 1879 | 1088 | 305 | 16 | 988 |
| Fire-arm, Revolving | P. Mauser | 213, 221 | Mar. 11, 1879 | 531 | 148 | 15 | 373 |
| Fire-arm, Revolving | D. Smith | 221, 000 | Oct. 28, 1879 | 940 | 251 | 16 | 785 |
| Fire-arm, Revolving | D. B. Wesson | 222, 167 | Dec. 2, 1879 | 57 | 14 | 16 | 1017 |
| Fire-arm, Revolving | D. B. Wesson | 222, 168 | Dec. 2, 1879 | 59 | 14 | 16 | 1017 |
| Fire-arm sight | W. H. Broden | 217, 770 | July 22, 1879 | 959 | 275 | 16 | 157 |
| Fire-arm sight | O. D. Warfield | 217, 717 | July 22, 1879 | 909 | 260 | 16 | 150 |
| Fire-arms chambers, Machine for forming | C. O. Wood | 219, 336 | Sept. 2, 1879 | 329 | 90, 91 | 16 | 453 |
| Fire-arms, Hair-trigger for | E. A. F. Toepperwein | 215, 695 | May 20, 1879 | 832 | 243 | 15 | 823 |
| Fire-arms, Magazine for | R. S. Chaffee | 211, 887 | Feb. 4, 1879 | 74 | 21 | 15 | 135 |
| Fire-arms, Magazine for | J. Shuster | 211, 674 | Jan. 28, 1879 | 715 | 200 | 15 | 98 |
| Fire-arms, Sight for | W. Lyman | 211, 753 | Jan. 28, 1879 | 806 | 226 | 15 | 110 |
| Fire-arms, Sight for | W. Matthews | 211, 763 | Jan. 28, 1879 | 814 | 228 | 15 | 111 |
| Fire-arms, Sight for | O. D. Warfield | 214, 331 | Apr. 15, 1879 | 726 | 204 | 15 | 582 |
| Fire-back | J. E. Boyer | 217, 443 | July 15, 1879 | 592 | 169 | 16 | 99 |
| Fire-back | W. T. Bradberry | 218, 616 | Aug. 19, 1879 | 606 | 170 | 16 | 321 |
| Fire-back | W. H. H. Spaulding | 211, 192 | Jan. 7, 1879 | 126 | 39 | 15 | 17 |
| Fire-engine | E. Glendillen | 220, 604 | Oct. 14, 1879 | 460 | 120 | 16 | 704 |
| Fire-engine, Hand and horse power | A. S. Walbridge | 215, 698 | May 20, 1879 | 834 | 244 | 15 | 824 |
| Fire-engine, Steam | J. E. Prunty | 214, 004 | Apr. 8, 1879 | 312 | 90 | 15 | 521 |
| Fire-escape | E. M. Ball | 215, 713 | May 27, 1879 | 860 | 252 | 15 | 835 |
| Fire-escape | F. Burrows | 220, 218 | Oct. 7, 1879 | 7 | 2 | 16 | 636 |
| Fire-escape | O. H. Curtis | 220, 703 | Oct. 21, 1879 | 576 | 154 | 16 | 728 |
| Fire-escape | D. D. Douds | 218, 241 | Aug. 5, 1879 | 155 | 42 | 16 | 241 |
| Fire-escape | B. Drian and G. Schwendemann. | 219, 850 | Sept. 23, 1879 | 916 | 253 | 16 | 557 |
| Fire-escape | P. Gallagher | 221, 045 | Oct. 28, 1879 | 991 | 263 | 16 | 791 |
| Fire-escape | J. Jonson and D. Jackson | 222, 706 | Dec. 16, 1879 | 695 | 200 | 16 | 1124 |
| Fire-escape | F. P. Mankin | 221, 332 | Nov. 4, 1879 | 219 | 60 | 16 | 842 |
| Fire-escape | T. McCabe | 218, 680 | Aug. 19, 1879 | 672 | 191 | 16 | 331 |
| Fire-escape | B. B. Oppenheimer | 221, 855 | Nov. 18, 1879 | 840 | 235 | 16 | 945 |
| Fire-escape | J. L. Petterson | 219, 511 | Sept. 9, 1879 | 519 | 145 | 16 | 487 |
| Fire-escape | C. Pfefferle | 217, 142 | July 1, 1879 | 240 | 70 | 16 | 33 |
| Fire-escape | W. Royce | 215, 166 | May 6, 1879 | 212 | 61 | 15 | 728 |
| Fire-escape | H. Taylor | 219, 781 | Sept. 16, 1879 | 823 | 228 | 16 | 536 |
| Fire-escape | W. Winkless | 211, 875 | Feb. 4, 1879 | 61 | 18 | 15 | 134 |
| Fire-escape and portable water-pipe | W. H. Drake and A. W. Hammett | 221, 401 | Nov. 11, 1879 | 307 | 84 | 16 | 863 |
| Fire-escape apparatus | J. C. Foley | 213, 327 | Mar. 18, 1879 | 661 | 186 | 15 | 398 |
| Fire-escape, Hydraulic | A. Turnbull | 218, 341 | Aug. 5, 1879 | 260 | 70 | 16 | 255 |
| Fire-escape ladder | B. Cavanagh | 218, 929 | Aug. 26, 1879 | 977 | 275 | 16 | 383 |
| Fire-escape ladder | C. C. Chamberlain | 213, 544 | Mar. 25, 1879 | 891 | 254 | 15 | 436 |
| Fire-escape ladder | L. Twitchell and J. A. Clark | 212, 768 | Feb. 25, 1879 | 1105 | 307 | 15 | 284 |
| Fire-escape ladder | J. R. Winters | 214, 224 | Apr. 8, 1879 | 572 | 161 | 15 | 552 |
| Fire-extinguisher | W. R. Ferguson | 214, 557 | Apr. 22, 1879 | 998 | 281 | 15 | 624 |
| Fire-extinguisher | C. L Garfield and J. Pattison | 217, 456 | July 15, 1879 | 603 | 172 | 16 | 100 |
| Fire-extinguisher | G. A. Morison and N. A. Anker | 219, 592 | Sept. 16, 1879 | 611 | 171 | 16 | 507 |
| Fire-extinguisher | W. Neracher | 223, 159 | Dec. 30, 1879 | 1222 | 346 | 16 | 1218 |
| Fire-extinguisher | D. T. Perkins | 212, 322 | Feb. 18, 1879 | 583 | 162 | 15 | 207 |
| Fire-extinguisher | A. Stoner | 212, 067 | Feb. 4, 1879 | 282 | 77 | 15 | 161 |
| Fire-extinguisher | E. M. Whyler | 218, 100 | July 29, 1879 | 1336 | 383 | 16 | 212 |
| Fire-extinguisher, Automatic | J. W. Bishop | 221, 504 | Nov. 11, 1879 | 429 | 116 | 16 | 879 |
| Fire-extinguisher, Automatic | E. Leonard | 220, 764 | Oct. 21, 1879 | 647 | 172 | 16 | 738 |
| Fire-extinguisher, Automatic | H. S. Parmelee | 218, 564 | Aug. 12, 1879 | 529 | 149 | 16 | 303 |
| Fire-extinguisher for car-stoves | S. G. Read and H. D. Kahler | 211, 261 | Jan. 7, 1879 | 198 | 58 | 15 | 26 |
| Fire-extinguishers, Automatic valve for | F. Grinnell | 218, 524 | Aug. 12, 1879 | 487 | 136 | 16 | 297 |
| Fire-extinguishing apparatus | C. Barnes | 216, 821 | June 24, 1879 | 939 | 267 | 15 | 1032 |
| Fire-extinguishing apparatus | E. C. Lefferts | 213, 116 | Mar. 11, 1879 | 419 | 116 | 15 | 358 |
| Fire-extinguishing engine | J. Pattison | 217, 477 | July 15, 1879 | 625 | 178 | 16 | 103 |
| Fire-kindler | C. C. Burnett | 211, 085 | Jan. 7, 1879 | 8 | 3 | 15 | 2 |
| Fire-kindler | J. McShane | 213, 768 | Apr. 1, 1879 | 39 | 13 | 15 | 478 |
| Fire-kindler | R. and T. B. Monosmith | 215, 066 | May 6, 1879 | 91 | 27 | 15 | 714 |
| Fire-kindler | P. Scott | 217, 414 | July 8, 1879 | 540 | 155 | 16 | 80 |
| Fire-kindler | G. W. Stoker | 214, 467 | Apr. 15, 1879 | 872 | 245 | 15 | 601 |
| Fire-kindler | A. F. Temple | 214, 969 | Apr. 29, 1879 | 1452 | 404 | 15 | 691 |
| Fire-kindlers and lighters, Composition for | E. Clark | 222, 012 | Nov. 25, 1879 | 1028 | 288 | 16 | 979 |
| Fire-kindlers, Machine for coating | A. F. Temple | 214, 968 | Apr. 29, 1879 | 1451 | 404 | 15 | 691 |
| Fire-kindlers, Machine for making | A. F. Temple | 218, 794 | Aug. 19, 1879 | 792 | 225 | 16 | 347 |
| Fire-kindling blocks, Machine for dipping and coating. | R. B. Whitzel | 216, 480 | June 10, 1879 | 536 | 153, 154 | 15 | 960 |
| Fire-light, Composite | M. C. Duffy and F. H. Davids | 218, 244 | Aug. 5, 1879 | 159 | ..... | 16 | 242 |
| Fire-lighter | S. M. Craig | 221, 784 | Nov. 18, 1879 | 743 | 208 | 16 | 933 |

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|---|---|---|---|---|---|---|---|
| Fire-lighter | H. B. Malone | 220, 484 | Oct. 14, 1879 | 315 | ..... | 16 | 686 |
| Fire-lighter, Automatic | E. H. Doescher | 218, 946 | Aug. 26, 1879 | 993 | 279 | 16 | 385 |
| Fire-lighter for engines | C. E. Thompson | 215, 492 | May 20, 1879 | 610 | 179 | 15 | 793 |
| Fire-place | W. Childers | 211, 457 | Jan. 21, 1879 | 451 | 128 | 15 | 61 |
| Fire-place | C. L. Lefebnre | 215, 063 | May 6, 1879 | 87 | 26 | 15 | 714 |
| Fire-place | F. A. Sage | 219, 530 | Sept. 9, 1879 | 539 | 151 | 16 | 489 |
| Fire-place damper-plate and arch-bar, Combined | C. Hanes | 222, 697 | Dec. 16, 1879 | 687 | 197 | 16 | 1123 |
| Fire-place heater | G. W. Hiller | 220, 615 | Oct. 14, 1879 | 469 | 124 | 16 | 706 |
| Fire-place heater | J. B. Oldershaw | 213, 445 | Mar. 18, 1879 | 776 | 218 | 15 | 414 |
| Fire-place, Open | E. A. Jackson | 220, 843 | Oct. 21, 1879 | 740 | 196, 197 | 16 | 749 |
| Fire-proof box for papers, &c | N. C. Fowler | 212, 138 | Feb. 11, 1879 | 370 | 101 | 15 | 175 |
| Fire-screen | J. W. Herron and W. L. Hardy | 214, 912 | Apr. 29, 1879 | 1399 | 388 | 15 | 683 |
| Fire-screen and blower, Combined | W. T. Bradberry | 222, 860 | Dec. 23, 1879 | 878 | 252 | 16 | 1160 |
| Fire-tower, Portable | N. Zimmermann | 217, 439 | July 8, 1879 | 567 | 163 | 16 | 84 |
| Fires in buildings, Extinguishing | C. Barnes | 212, 346 | Feb. 18, 1879 | 612 | 172 | 15 | 210 |
| Fires on ship-board, &c., Apparatus for extinguishing | J. H. and T. E. Connelly | 218, 491 | Aug. 12, 1879 | 447 | 125 | 16 | 291 |
| Fireman's shield | S. McCarty | 211, 101 | Jan. 7, 1879 | 23 | 8 | 15 | 4 |
| Fish boner and scaler | A. J. Whitney | 221, 949 | Nov. 25, 1879 | 965 | 270 | 16 | 971 |
| Fish-plate and railway-chair | J. D. Sheets | 220, 672 | Oct. 14, 1879 | 531 | 141 | 16 | 714 |
| Fish-scrap elevator | S. P. Hedges | 220, 376 | Oct. 7, 1879 | 186 | 49, 50 | 16 | 660 |
| Fish-trap | W. J. Henderson | 218, 737 | Aug. 19, 1879 | 730 | 208 | 16 | 339 |
| Fish-trap | H. Webb | 215, 031 | May 6, 1879 | 53 | 16 | 15 | 709 |
| Fishing apparatus | C. N. A. Voss | 216, 242 | June 3, 1879 | 243 | 73 | 15 | 916 |
| Fishing-line attachment | W. F. Vaché | 223, 194 | Dec. 30, 1879 | 1253 | 355 | 16 | 1223 |
| Fishing-line reel | E. C. Vom Hofe | 219, 328 | Sept. 2, 1879 | 311 | 88 | 16 | 451 |
| Fishing-reel | L. T. Dickson | 214, 435 | Apr. 22, 1879 | 918 | 259 | 15 | 615 |
| Fishing-reel | S. W. Wardwell, jr | 220, 776 | Oct. 21, 1879 | 669 | 177 | 16 | 739 |
| Fishing-rod | E. Earle | 222, 681 | Dec. 16, 1879 | 672 | 193 | 16 | 1121 |
| Fishway | M. McDonald | 218, 299 | Aug. 5, 1879 | 213 | 57 | 16 | 249 |
| Flange-coupling | C. H. Cushing | 217, 997 | July 29, 1879 | 1225 | 350 | 16 | 198 |
| Flask: *See* Dental vulcanizing-flask. Pocket-flask. | | | | | | | |
| Flat-iron, &c | W. McCarty | 211, 517 | Jan. 21, 1879 | 519 | 146, 147 | 15 | 69 |
| Flat-iron and heater | W. McCarty | 212, 247 | Feb. 11, 1879 | 487 | 135 | 15 | 191 |
| Flax-seed separator | J. A. Wade | 220, 211 | Sept. 30, 1879 | 1338 | 369 | 16 | 624 |
| Flood-gate | W. B. Akers | 217, 571 | July 15, 1879 | 728 | 208 | 16 | 117 |
| Floor, Fire-proof | L. F. Beckwith | 221, 501 | Nov. 11, 1879 | 426 | 116 | 16 | 879 |
| Flour and meal chest with sifting attachment | H. S. G. and H. B. Ray | 213, 069 | Mar. 11, 1879 | 358 | 101 | 15 | 351 |
| Flour, Apparatus for manufacturing buckwheat | D. D., Z. C., and R. A. Brewster | 219, 683 | Sept. 16, 1879 | 724 | 200, 201 | 16 | 521 |
| Flour, &c., bin | E. S. Bliss | 214, 612 | Apr. 22, 1879 | 1058 | 297 | 15 | 632 |
| Flour-belt | J. J. Zinn | 218, 105 | July 29, 1879 | 1343 | 385 | 16 | 213 |
| Flour-commode | J. Johnson | 213, 205 | Mar. 11, 1879 | 517 | 144 | 15 | 371 |
| Flour, Machine for manufacturing | W. D. Leavitt | 220, 626 | Oct. 14, 1879 | 483 | 126 | 16 | 707 |
| Flour, Manufacturing | J. W. Collins | 217, 066 | July 1, 1879 | 156 | 46 | 16 | 22 |
| Flour-mill separator | I. Morgan | 213, 678 | Mar. 25, 1879 | 1038 | 295 | 15 | 456 |
| Flour-mills, Apparatus for collecting flour and other dust from. | C. C. Washburn | 213, 151 | Mar. 11, 1879 | 461 | 128 | 15 | 364 |
| Flour-packer | O. M. Morse | 220, 302 | Oct. 7, 1879 | 104 | 28 | 16 | 649 |
| Flower and work stand | T. Murgotroyd | 213, 523 | Mar. 25, 1879 | 863 | 246 | 15 | 433 |
| Flower, Artificial | C. Schwenkel | 216, 223 | June 3, 1879 | 223 | ..... | 15 | 913 |
| Flower-pot holder or stand | C. W. Stearns | 214, 061 | Apr. 8, 1879 | 384 | 108 | 15 | 530 |
| Flower-pots, Manufacture of | E. A. Couch | 216, 311 | June 10, 1879 | 343 | 100 | 15 | 935 |
| Flower-stand | R. S. Judson and C. J. Hancock | 217, 010 | July 1, 1879 | 87 | 26 | 16 | 14 |
| Flue, Boiler | J. C. Carbine | 217, 338 | July 8, 1879 | 463 | 135 | 16 | 71 |
| Flue-boiler, Vertical | J. Strang | 215, 489 | May 20, 1879 | 607 | 178 | 15 | 793 |
| Flue-boilers, Cleaner for vertical | C. M. Miller | 218, 392 | Aug. 12, 1879 | 329 | 91 | 16 | 275 |
| Flue-boilers, Thimble for vertical | C. M. Miller | 218, 393 | Aug. 12, 1879 | 330 | 91 | 16 | 275 |
| Flue-cap, Ventilating | J. D. McLinden | 212, 248 | Feb. 11, 1879 | 488 | 135 | 15 | 191 |
| Flue-cleaner | E. G. Felthousen | 214, 500 | Apr. 22, 1879 | 923 | 261 | 15 | 615 |
| Flue-cleaner | J. Gehr and E. Richards | 223, 040 | Dec. 30, 1879 | 1081 | 308 | 16 | 1200 |
| Flue cleaner, Boiler | J. Aitchison and J. F. Doolittle | 217, 570 | July 15, 1879 | 727 | 207 | 16 | 117 |
| Flue cleaner, Boiler | C. Castle | 219, 688 | Sept. 16, 1879 | 729 | 202 | 16 | 522 |
| Flue cleaner, Steam-boiler | B. B. Burton and L. Lynde | 220, 959 | Oct. 28, 1879 | 888 | 237 | 16 | 778 |
| Flue-cutter | J. H. McGraw | 212, 032 | Feb. 4, 1879 | 234 | 65 | 15 | 155 |
| Flue roller and expander | J. H. McGraw | 212, 564 | Mar. 4, 1879 | 227 | 63 | 15 | 326 |
| Fluid-motor | J. Chase and S. H. Bowker | 212, 356 | Feb. 18, 1879 | 621 | 174, 175 | 15 | 211 |
| Fluid-motor or motor-engine | E. J. Molera and J. C. Cebrian | 212, 039 | Feb. 4, 1879 | 246 | 67, 68 | 15 | 157 |
| Fluid propeller or motor | J. B. Vliet | 218, 605 | Aug. 12, 1879 | 571 | 161 | 16 | 309 |
| Fluids, Apparatus for exhausting and forcing | H. F. L. W. De Romilly | 211, 347 | Jan. 14, 1879 | 325 | 96 | 15 | 42 |
| Fluids, Preserving and drawing | J. Wolf | 222, 339 | Dec. 2, 1879 | 248 | 68 | 16 | 1043 |
| Fluted goods, Machine for compressing | G. Adreance | 218, 850 | Aug. 26, 1879 | 892 | 249 | 16 | 370 |
| Fluting bed and roller | M. A. Perrigo | 212, 976 | Mar. 4, 1879 | 242 | 66 | 15 | 327 |
| Fluting-iron | L. F. Dean | 219, 390 | Sept. 9, 1879 | 394 | 109, 110 | 16 | 470 |
| Fluting-iron | S. L. Story | 212, 159 | Feb. 11, 1879 | 390 | 106 | 15 | 178 |
| Fluting-machine | G. Adreance | 217, 670 | July 22, 1879 | 857 | 245 | 16 | 143 |
| Fluting-machine | H. Albrecht | 218, 696 | Aug. 19, 1879 | 687 | 195 | 16 | 333 |
| Fluting-machine | M. W. Been | 215, 103 | May 6, 1879 | 133 | 39 | 15 | 719 |
| Fluting-machine | C. B. and J. K. Clark | 212, 191 | Feb. 11, 1879 | 432 | 118 | 15 | 183 |
| Fluting-machine | J. E. Donovan | 220, 586 | Oct. 14, 1879 | 442 | 114 | 16 | 702 |
| Fluting-machine | J. E. Donovan | 222, 679 | Dec. 16, 1879 | 670 | 192 | 16 | 1120 |
| Fluting-machine | J. E. Wilson | 213, 724 | Mar. 25, 1879 | 1082 | 307 | 15 | 462 |
| Fly-screen | J. O. Wilson and R. Bolinger | 223, 205 | Dec. 30, 1879 | 1270 | 359 | 16 | 1225 |
| Fly-wheel | H. Baldwin | 211, 685 | Jan. 28, 1879 | 726 | 202 | 15 | 100 |
| Fly-wheel | G. H. Corliss | 215, 805 | May 27, 1879 | 961 | 282 | 15 | 848 |
| Fog-alarm, Steam | W. E. Leighton | 218, 286 | Aug. 5, 1879 | 200 | 54 | 16 | 247 |
| Fog and alarm horn | J. B. Tarr | 212, 635 | Feb. 25, 1879 | 969 | 268 | 15 | 266 |
| Fog-horn | E. T. Bucknam and H. C. Langrehr | 215, 433 | May 20, 1879 | 537 | 159 | 15 | 784 |
| Fog-horn | E. R. Whitney | 219, 374 | Sept. 9, 1879 | 375 | 105 | 16 | 467 |
| Fog-signal | W. B. Barker | 216, 820 | June 24, 1879 | 934 | 266, 267 | 15 | 1031 |

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|---|---|---|---|---|---|---|---|
| Fog-signal, Ship's | J. W. Fowle | 220,231 | Oct. 7, 1879 | 25 | 7 | 16 | 638 |
| Folding chair | I. N. Daun | 211,290 | Jan. 7, 1879 | 234 | 68 | 15 | 30 |
| Folding chair | W. Dieffenbach | 214,995 | May 6, 1879 | 15 | 5 | 15 | 704 |
| Folding chair | T. J. Elliott | 218,247 | Aug. 5, 1879 | 161 | 43 | 16 | 242 |
| Folding chair | W. H. Gifford and W. M. Bates | 217,608 | July 15, 1879 | 770 | 219 | 16 | 122 |
| Folding chair | L. S. Hayes | 221,062 | Oct. 28, 1879 | 1009 | 268 | 16 | 794 |
| Folding chair | J. E. Wakefield | 220,949 | Oct. 28, 1879 | 875 | 234 | 16 | 776 |
| Folding chair | E. E. Morse | 214,174 | Apr. 8, 1879 | 515 | 147 | 15 | 545 |
| Folding chair | D. N. Selleg | 217,025 | July 1, 1879 | 108 | 31 | 16 | 16 |
| Folding chair | H. B. Smith | 213,700 | Mar. 25, 1879 | 1057 | 301 | 15 | 458 |
| Folding chair | E. Tucker | 211,196 | Jan. 7, 1879 | 131 | 40 | 15 | 18 |
| Folding chair | J. Weber, jr | 218,607 | Aug. 12, 1879 | 575 | 162 | 16 | 309 |
| Folding chair, table, &c | C. J. Evericksx | 222,883 | Dec. 23, 1879 | 900 | 259, 260 | 16 | 1164 |
| Folding-machine, Turn-sheet | W. Mendham and C. Chambers, jr | 222,523 | Dec. 9, 1879 | 464 | 132 | 16 | 1081 |
| Folding or camp chair | A. A. Young | 211,827 | Jan. 28, 1879 | 891 | 261 | 15 | 121 |
| Folding seat | J. M. Perkins | 212,736 | Feb. 25, 1879 | 1067 | 296 | 15 | 280 |
| Folding table | J. C. Barnes | 218,852 | Aug. 26, 1879 | 895 | 250 | 16 | 370 |
| Folding table | G. W. Low | 212,561 | Feb. 25, 1879 | 888 | 245 | 15 | 255 |
| Food, Cattle | N. S. Lukey | 216,199 | June 3, 1879 | 199 | ..... | 15 | 910 |
| Food, Composition for cattle | J. Firmenich | 220,068 | Sept. 30, 1879 | 1177 | ..... | 16 | 601 |
| Food for invalids | T. T. Gaunt | 223,038 | Dec. 30, 1879 | 1079 | ..... | 16 | 1200 |
| Food from distillery-slops, Cattle | C. L. Campbell | 218,159 | Aug. 5, 1879 | 62 | ..... | 16 | 229 |
| Food, Preparation of corn for | H. Tilden | 217,171 | July 1, 1879 | 269 | ..... | 16 | 37 |
| Foot-rest | H. Jungmann | 217,621 | July 15, 1879 | 785 | 223 | 16 | 124 |
| Forge, emery-wheel, and drill, Combined | P. B. Hillyer | 217,795 | July 22, 1879 | 988 | 283 | 16 | 161 |
| Forge, Portable | A. Burchfield | 217,265 | July 8, 1879 | 382 | 113 | 16 | 61 |
| Forge, Portable | J. P. Holt | 219,640 | Sept. 16, 1879 | 678 | 187 | 16 | 515 |
| Forging hammers | D. Maydole | 213,766 | Apr. 1, 1879 | 37 | 12 | 15 | 477 |
| Forging ox-shoes, Die for | R. R. Miller | 212,251 | Feb. 11, 1879 | 491 | 136 | 15 | 191 |
| Fork: | | | | | | | |
| *See* Hay-fork. Spading-fork. Saddle-tree fork. Weft-fork. | | | | | | | |
| Fork | C. W. Robison | 218,642 | Aug. 19, 1879 | 632 | 178 | 16 | 325 |
| Fork and device for making the same | W. Chisholm | 216,021 | June 3, 1879 | 17 | 4, 5 | 15 | 887 |
| Fork and spoon, &c., Combined | A. B. Nott | 212,044 | Feb. 4, 1879 | 256 | 69 | 15 | 158 |
| Fountain: | | | | | | | |
| *See* Ink-fountain. Wash-boiler fountain. Pulmonic fountain. | | | | | | | |
| Fountain | F. C. Boswel | 218,422 | Aug. 12, 1879 | 368 | 100 | 16 | 281 |
| Fountain | B. Huber | 219,946 | Sept. 23, 1879 | 1021 | 284 | 16 | 572 |
| Fountain-tip | H. G. Fiske | 212,368 | Feb. 18, 1879 | 634 | 178 | 15 | 213 |
| Frame: | | | | | | | |
| *See* Advertising-frame. Pillow-sham frame. Car-engine frame. Quilting-frame. Carriage-dash frame. Saw-frame. Chair-frame. Slate-frame. Clothes-frame. Spinning-frame. Curtain-drying frame. Traveling-bag frame. Drawing-frame. Truck-frame. Eyeglass-frame. Umbrella-frame. Grindstone-frame. Window-frame. Honey-comb frame. Window-screen frame. Picture-frame. Wire frame. | | | | | | | |
| Friction device | C. C. Klein | 222,504 | Dec. 9, 1879 | 445 | 128 | 16 | 1079 |
| Fruit and vegetable cutter | T. K. Knapp | 222,284 | Dec. 2, 1879 | 190 | 50 | 16 | 1035 |
| Fruit and vegetable drier and bleacher | G. W. Hopkins | 217,288 | July 8, 1879 | 407 | 120 | 16 | 64 |
| Fruit-can | W. Collings | 216,831 | June 24, 1879 | 951 | 271 | 15 | 1033 |
| Fruit-cans, Apparatus for cleaning the tops of | S. T. Strang | 214,468 | Apr. 15, 1879 | 872 | 246 | 15 | 601 |
| Fruit-drier | R. B. Blowers | 214,807 | Apr. 29, 1879 | 1287 | 360 | 15 | 669 |
| Fruit-drier | W. Butts | 217,510 | July 15, 1879 | 660 | 188 | 16 | 108 |
| Fruit-drier | G. W. Deitzler | 222,874 | Dec. 23, 1879 | 891 | 256, 257 | 16 | 1162 |
| Fruit-drier | G. S. Grier | 221,056 | Oct. 28, 1879 | 1003 | 266 | 16 | 793 |
| Fruit-drier | T. B. Hammond and W. H. H. Stevenson. | 215,608 | May 20, 1879 | 742 | 216 | 15 | 811 |
| Fruit-drier | W. C. McDowell and E. C. Ewell | 215,952 | May 27, 1879 | 1126 | 326 | 15 | 868 |
| Fruit-drier | E. McFarland | 219,362 | Sept. 9, 1879 | 360 | 102 | 16 | 465 |
| Fruit-drier | R. Moore and P. D. Bruner | 213,233 | Mar. 11, 1879 | 546 | 151 | 15 | 375 |
| Fruit-drier | W. B. Mumbrue | 223,059 | Dec. 30, 1879 | 1106 | 314 | 16 | 1203 |
| Fruit-drier | J. B. Sweetland | 214,728 | Apr. 22, 1879 | 1180 | 331, 332 | 15 | 647 |
| Fruit-drier | J. B. Sweetland | 220,189 | Sept. 30, 1879 | 1315 | 363 | 16 | 621 |
| Fruit-drier tray | E. McFarland | 218,892 | Aug. 26, 1879 | 941 | 264 | 16 | 378 |
| Fruit-gatherer | G. G. B. Greenwood | 213,105 | Mar. 11, 1879 | 409 | 113 | 15 | 357 |
| Fruit-gatherer | S. S. Myers | 220,409 | Oct. 7, 1879 | 221 | 59 | 16 | 665 |
| Fruit-jar | J. H. Stamp | 216,707 | June 17, 1879 | 790 | 226 | 15 | 1004 |
| Fruit-jar | L. Tozer | 211,440 | Jan. 14, 1879 | 433 | 122 | 15 | 56 |
| Fruit-jar fastener | R. R. Richardson | 218,687 | Aug. 19, 1879 | 679 | 193 | 16 | 332 |
| Fruit-jar lifter | D. Sherwood and G. D. Dudley | 218,835 | Aug. 26, 1879 | 871 | 245 | 16 | 367 |
| Fruit-jar top | H. C. Fowler | 219,793 | Sept. 16, 1879 | 849 | 232 | 16 | 538 |
| Fruit-jar wrench | D. Sherwood and G. D. Dudley | 213,698 | Mar. 25, 1879 | 1055 | 300 | 15 | 458 |
| Fruit or preserve jar | A. Gummer | 216,036 | June 3, 1879 | 34 | 9 | 15 | 889 |
| Fruit-package | A. F. Newell and H. L. Van-Gorder. | 220,543 | Oct. 14, 1879 | 383 | 99 | 16 | 694 |
| Fruit-picker | G. A. Bushnell and M. Calhoun | 212,588 | Feb. 25, 1879 | 920 | 254 | 15 | 260 |
| Fruit-picker | C. H. Dunbrack | 221,042 | Oct. 28, 1879 | 989 | 262 | 16 | 791 |
| Fruit-picker | I. L. King | 214,780 | Apr. 29, 1879 | 1254 | 351 | 15 | 664 |
| Fruit-tongs | J. McMullin | 221,842 | Nov. 18, 1879 | 822 | 229 | 16 | 942 |
| Frying-pan | J. Graves | 217,938 | July 29, 1879 | 1160 | 332 | 16 | 190 |
| Frying-pan | W. Hodges | 217,378 | July 8, 1879 | 504 | 146 | 16 | 76 |
| Fuel, Artificial | F. F. E. Muck | 212,150 | Feb. 11, 1879 | 381 | 104 | 15 | 177 |
| Fuel, Artificial | E. B. Warren | 220,321 | Oct. 7, 1879 | 127 | ..... | 16 | 652 |
| Fuel, Device for decomposing water for | M. W. Hazelton | 217,104 | July 1, 1879 | 201 | 58 | 16 | 28 |
| Fuel, Liquid | H. R. Smith and H. M. Munsell | 219,181 | Sept. 2, 1879 | 135 | ..... | 16 | 430 |

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|---|---|---|---|---|---|---|---|
| Fuel, Manufacture of artificial | O. Hassel | 216, 613 | June 17, 1879 | 693 | ..... | 15 | 990 |
| Fulling-mill | J. Wood and A. Storm | 212, 640 | Feb. 25, 1879 | 974 | 270 | 15 | 266 |
| Fulling-stock | G. Yule | 219, 562 | Sept. 9, 1879 | 569 | 159, 160 | 16 | 494 |
| Fumigating purposes, Composition for | G. W. Nicholls and T. H. Bilyeu | 223, 604 | Dec. 30, 1879 | 1046 | ..... | 16 | 1195 |
| Funnel, Measuring | J. Pfitzenmeier | 216, 520 | June 17, 1879 | 601 | 170 | 15 | 978 |
| Funnel, Measuring | G. B. Smith | 211, 352 | Jan. 14, 1879 | 331 | 97 | 15 | 43 |
| Fur articles | S. D. Castle | 213, 736 | Apr. 1, 1879 | 8 | 3 | 15 | 474 |
| Furs, Taping | E. R. Völkel | 223, 196 | Dec. 30, 1879 | 1256 | 356 | 16 | 1223 |
| Furs, Treating | S. D. Castle | 213, 735 | Apr. 1, 1879 | 7 | 2 | 15 | 474 |
| Furnace: | | | | | | | |
| *See* Bagasse-furnace. | | | | | | | |
| Blank-heating furnace. | | | | | | | |
| Crucible-furnace. | | | | | | | |
| Cupel-furnace. | | | | | | | |
| Evaporating-furnace. | | | | | | | |
| Garbage-cremating furnace. | | | | | | | |
| Gas-generating furnace. | | | | | | | |
| Glass-furnace. | | | | | | | |
| Heating-furnace. | | | | | | | |
| Hog-singeing furnace. | | | | | | | |
| Hot-air furnace. | | | | | | | |
| Hydrocarbon-furnace. | | | | | | | |
| Locomotive and other furnace. | | | | | | | |
| Matting and smelting furnace. | | | | | | | |
| Metallurgic-gas furnace. | | | | | | | |
| Muffle-furnace. | | | | | | | |
| Ore-furnace. | | | | | | | |
| Ore-roasting furnace. | | | | | | | |
| Oven-furnace. | | | | | | | |
| Oxidizing and chlorinizing furnace. | | | | | | | |
| Portable furnace. | | | | | | | |
| Puddling-furnace. | | | | | | | |
| Quicksilver-furnace. | | | | | | | |
| Regenerative-furnace. | | | | | | | |
| Reverberating-furnace. | | | | | | | |
| Smelting-furnace. | | | | | | | |
| Smoke-consuming furnace. | | | | | | | |
| Steam-generator furnace. | | | | | | | |
| Zinc-furnace. | | | | | | | |
| Furnace | M. L. Ballard | 221, 018 | Oct. 28, 1879 | 959 | 255 | 16 | 787 |
| Furnace | E. W. and C. W. Blair | 213, 861 | Apr. 1, 1879 | 144 | 42, 43 | 15 | 491 |
| Furnace | G. B. Field | 212, 366 | Feb. 18, 1879 | 631 | 177, 178 | 15 | 213 |
| Furnace | F. Perez de la Tega | 222, 941 | Dec. 23, 1879 | 967 | 277 | 16 | 1174 |
| Furnace | W. D. Smith | 223, 181 | Dec. 30, 1879 | 1242 | 352 | 16 | 1221 |
| Furnace and stove | J. C. Stuart | 216, 539 | June 17, 1879 | 610 | 173 | 15 | 979 |
| Furnace and stove grate | T. J. March | 211, 336 | Jan. 14, 1879 | 316 | 93 | 15 | 41 |
| Furnace-bridge wall | J. Mailer | 219, 283 | Sept. 2, 1879 | 259 | 73 | 16 | 444 |
| Furnace-door | L. McKelvey | 222, 663 | Nov. 25, 1879 | 1090 | 306 | 16 | 988 |
| Furnace-feeder | W. A. Campbell and J. Hyland | 221, 517 | Nov. 11, 1879 | 443 | 120 | 16 | 882 |
| Furnace-feeder, Automatic | R. S. Dillon and W. Scully | 220, 961 | Oct. 21, 1879 | 798 | 214 | 16 | 757 |
| Furnace for recovering soda-ash | W. R. Nixon | 215, 285 | May 13, 1879 | 373 | 108 | 15 | 753 |
| Furnace for reducing oxide ores | C. M. Dupuy | 215, 726 | May 27, 1879 | 874 | 256 | 15 | 837 |
| Furnace fuel-feeder | H. Swindell | 217, 654 | July 15, 1879 | 819 | 234 | 16 | 129 |
| Furnace-grate | J. A. Allen | 212, 531 | Feb. 25, 1879 | 857 | 237 | 15 | 251 |
| Furnace-grate | A. Desgouttes | 219, 232 | Sept. 2, 1879 | 200 | 59 | 16 | 438 |
| Furnace-grate | H. F. Hayden | 215, 274 | May 13, 1879 | 355 | 103 | 15 | 750 |
| Furnace-grate | L. Sternberger | 221, 123 | Oct. 38, 1879 | 1067 | 282 | 16 | 801 |
| Furnace-grate | H. E. Williams | 223, 087 | Dec. 30, 1879 | 1143 | 323 | 16 | 1207 |
| Furnace-grate | H. E. Woods | 222, 432 | Dec. 9, 1879 | 358 | 102 | 16 | 1067 |
| Furnace-grate and grate-bar | J. Ashcroft | 221, 657 | Nov. 18, 1879 | 601 | 169 | 16 | 913 |
| Furnace-grate bar | J. Ashcroft | 221, 656 | Nov. 18, 1879 | 601 | 169 | 16 | 913 |
| Furnace-grate bar | J. C. Furness | 217, 525 | July 15, 1879 | 675 | 192 | 16 | 110 |
| Furnace-grate bar, Boiler | J. C. Bobzien | 219, 679 | Sept. 16, 1879 | 719 | 199 | 16 | 521 |
| Furnace-grates, Supporting-bar for | A. E. Barthel and R. Jahr | 218, 655 | Aug. 19, 1879 | 644 | 182 | 16 | 327 |
| Furnace linings and bricks, Manufacture of refractory. | S. G. Thomas | 218, 336 | Aug. 5, 1879 | 252 | ..... | 16 | 254 |
| Furnace-linings, Refractory | S. G. Thomas | 218, 335 | Aug. 5, 1879 | 251 | ..... | 16 | 254 |
| Furnace-regulator | C. H. White | 221, 487 | Nov. 11, 1879 | 410 | 112 | 16 | 877 |
| Furnaces and stoves, Draft-regulator for | G. O. Sanderson | 221, 978 | Nov. 25, 1879 | 996 | 279 | 16 | 975 |
| Furnaces, Apparatus for supplying fuel to | H. C. Carver | 220, 053 | Sept. 30, 1879 | 1158 | 319 | 16 | 598 |
| Furnaces, Apparatus for supplying fuel to boiler and other. | J. Proctor | 213, 067 | Mar. 11, 1879 | 356 | 100 | 15 | 351 |
| Furnaces, Automatic governor for | F. P. Weaver and E. L. Cheyney | 219, 421 | Sept. 9, 1879 | 430 | 119 | 16 | 474 |
| Furnaces, Cleaning-door for | N. W. Pratt | 214, 951 | Apr. 29, 1879 | 1433 | 399 | 15 | 688 |
| Furnaces, Construction of domes or crowns of gas and other. | W. Smith | 218, 584 | Aug. 12, 1879 | 550 | 155 | 16 | 306 |
| Furnaces, converters, &c., Fire-proof compound for lining. | E. F. Althans, O. Junghann, and H. Ulsmann. | 222, 224 | Dec. 2, 1879 | 123 | ..... | 16 | 1025 |
| Furnaces, Device for feeding air to | E. J. Bartlett and F. T. Wilson | 222, 440 | Dec. 9, 1879 | 366 | 104 | 16 | 1069 |
| Furnaces, Dumping dead-plate for | N. W. Pratt | 216, 888 | June 24, 1879 | 1008 | 287 | 15 | 1041 |
| Furnaces, Feeding air to | A. T. Bennett | 211, 082 | Jan. 7, 1879 | 5 | 2 | 15 | 1 |
| Furnaces, Feeding air to | J. V. Metter | 214, 176 | Apr. 8, 1879 | 517 | 147 | 15 | 545 |
| Furnaces, Supplying liquid fuel to | J. Rogers | 217, 154 | July 1, 1879 | 252 | 75 | 16 | 35 |
| Furnaces the gases from coking coal, Process and apparatus for utilizing in. | L. Stevens | 221, 257 | Nov. 4, 1879 | 128 | 34, 35 | 16 | 830 |
| Furnaces used in the manufacture of iron and steel, Lining of cupola, reverberatory, Bessemer, and other. | G. J. Snelus | 218, 405 | Aug. 12, 1879 | 340 | ..... | 16 | 277 |
| Fuse, Blasting | G. Bloem | 216, 137 | June 3, 1879 | 136 | 40 | 15 | 902 |
| Fuse, Blasting | J. R. Powell | 215, 395 | May 13, 1879 | 480 | 143 | 15 | 767 |
| Fuse for shells, Time and distance | H. Berdan | 220, 792 | Oct. 21, 1879 | 686 | 182 | 16 | 742 |
| **G.** | | | | | | | |
| Gage: | | | | | | | |
| *See* Bilge-water gage. | | | | | | | |
| Carpenter's gage. | | | | | | | |
| Cutting-gage. | | | | | | | |
| Grain-drill gage. | | | | | | | |
| Leather-cutting gage. | | | | | | | |
| Liquid-outage gage. | | | | | | | |
| Micrometer-gage. | | | | | | | |
| Micrometer-screw gage. | | | | | | | |
| Millstuff-gage. | | | | | | | |
| Miter-gage. | | | | | | | |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Gage—Continued: Pressure-gage. Printing-press feed-gage. Railway-track gage. Sawing-machine gage. Steam and water gage. Surface-gage. Weather-board gage. | | | | | | | |
| Gage for applying lace to goods | J. A. Denais | 215, 584 | May 20, 1879 | 715 | 209 | 15 | 807 |
| Gaiter, Button | G. Beneke | 219, 436 | Sept. 9, 1879 | 445 | 124 | 16 | 476 |
| Gaiters, Elastic gore for | G. Schilling | 214, 712 | Apr. 22, 1879 | 1162 | 327 | 15 | 645 |
| Galvanic and medicated pad, Combined | H. E. Hunter | 222, 276 | Dec. 2, 1879 | 180 | 48 | 16 | 1033 |
| Galvanic batteries, Solution for | C. A. Ehrenberg | 215, 899 | May 27, 1879 | 1069 | ..... | 15 | 861 |
| Galvanic battery | D. H. Fitch | 219, 631 | Sept. 16, 1879 | 661 | 184 | 16 | 514 |
| Galvanic battery | L. Bastet | 211, 213 | Jan. 7, 1879 | 147 | 44 | 15 | 20 |
| Galvanic battery | G. M. Hopkins | 219, 477 | Sept. 9, 1879 | 485 | 135 | 16 | 482 |
| Galvanic battery | W. S. Wilson | 216, 774 | June 24, 1879 | 885 | 251 | 15 | 1025 |
| Galvanic-battery cell | E. Thomson and E. J. Houston | 220, 507 | Oct. 14, 1879 | 338 | 90 | 16 | 689 |
| Galvanic body-wear | D. P. Bible | 212, 650 | Feb. 25, 1879 | 983 | 273 | 15 | 268 |
| Game apparatus | W. T. Ebert | 212, 304 | Feb. 18, 1879 | 560 | 157 | 15 | 204 |
| Game apparatus | W. Kightlinger | 222, 710 | Dec. 16, 1879 | 699 | 201 | 16 | 1125 |
| Game apparatus | C. G. Knight | 213, 209 | Mar. 11, 1879 | 521 | 145 | 15 | 372 |
| Game apparatus | E. Macy | 214, 048 | Apr. 8, 1879 | 370 | 105 | 15 | 528 |
| Game-board | W. Harmon | 222, 272 | Dec. 2, 1879 | 177 | 46 | 16 | 1032 |
| Game-counter | W. Durand | 211, 137 | Jan. 7, 1879 | 65 | 20 | 15 | 9 |
| Game-indicator | A. H. Jones and I. Osgood | 213, 113 | Mar. 11, 1879 | 416 | 115 | 15 | 358 |
| Game-table | E. M. Macy and R. Russell | 218, 294 | Aug. 5, 1879 | 208 | 56 | 16 | 248 |
| Garbage-cremating furnace | H. R. Foote | 211, 503 | Jan. 21, 1879 | 497 | 141 | 15 | 67 |
| Garbage-cremating furnace | W. J. Morris | 215, 957 | May 27, 1879 | 1129 | 327 | 15 | 869 |
| Garbage-sink | G. G. Richmond | 214, 006 | Apr. 8, 1879 | 314 | 90, 91 | 15 | 522 |
| Garden-rakes, Manufacture of | J. H. Smith | 221, 624 | Nov. 11, 1879 | 558 | 154 | 16 | 899 |
| Garden-roller | J. W. Hobson | 213, 420 | Mar. 13, 1879 | 753 | 212 | 15 | 411 |
| Garment-clasp | L. Lobenstein | 211, 167 | Jan. 7, 1879 | 97 | 30 | 15 | 14 |
| Garment-hanger | B. England | 222, 259 | Dec. 2, 1879 | 165 | 42 | 16 | 1031 |
| Garment-pattern | J. H. Brooke | 216, 257 | June 10, 1879 | 277 | 82 | 15 | 927 |
| Garment-stiffener | A. M. Day | 218, 430 | Aug. 12, 1879 | 375 | 103 | 16 | 282 |
| Garment-supporter | H. P. Andrews | 221, 951 | Nov. 25, 1879 | 966 | 270 | 16 | 971 |
| Garments, Device for shaping and pressing | J. Braun | 213, 384 | Mar. 18, 1879 | 717 | 201 | 15 | 406 |
| Garter | W. W. Anderson | 220, 692 | Oct. 21, 1879 | 566 | 151 | 16 | 727 |
| Garter | T. J. Carroll | 212, 837 | Mar. 4, 1879 | 66 | 20 | 15 | 306 |
| Garters, &c., Clasp for | L. Lobenstein | 212, 390 | Feb. 18, 1879 | 661 | 185 | 15 | 217 |
| Gas-analysis, Apparatus for | A. T. Schnessler | 222, 843 | Dec. 23, 1879 | 854 | 246 | 16 | 1157 |
| Gas apparatus | T. G. Springer | 219, 318 | Sept. 2, 1879 | 300 | 84, 85 | 16 | 450 |
| Gas, Apparatus for enriching illuminating | J. and J. Kidd | 217, 800 | July 22, 1879 | 993 | 284 | 16 | 161 |
| Gas, Apparatus for manufacturing illuminating | W. B. West | 217, 308 | July 8, 1879 | 427 | 126 | 16 | 67 |
| Gas, Apparatus for the manufacture of | W. Smith | 218, 585 | Aug. 12, 1879 | 551 | 155 | 16 | 306 |
| Gas, Apparatus for the manufacture of coal | C. W. Isbell | 221, 565 | Nov. 11, 1879 | 503 | 137 | 16 | 890 |
| Gas, Apparatus for the manufacture of illuminating | E. J. Jerzmanowski | 212, 943 | Mar. 4, 1879 | 202 | 57 | 15 | 322 |
| Gas, Apparatus for the production of illuminating | C. Marchand | 215, 949 | May 27, 1879 | 1123 | 325 | 15 | 868 |
| Gas apparatus, Hydrocarbon | A. Alexander | 211, 312 | Jan. 14, 1879 | 288 | 86 | 15 | 38 |
| Gas apparatus, Vapor | J. Savage | 221, 942 | Nov. 25, 1879 | 955 | 268 | 16 | 969 |
| Gas-burner | M. B. and C. G. Dyott | 213, 879 | Apr. 1, 1879 | 163 | 48 | 15 | 493 |
| Gas-burner | P. Faltoni | 222, 479 | Dec. 9, 1879 | 421 | 120 | 16 | 1076 |
| Gas-burner | G. P. Ganster | 211, 504 | Jan. 21, 1879 | 500 | 142 | 15 | 67 |
| Gas-burner | G. Reznor | 217, 149 | July 1, 1879 | 248 | 73 | 16 | 34 |
| Gas-burner | W. H. Russell | 214, 710 | Apr. 22, 1879 | 1160 | 327 | 15 | 645 |
| Gas-burner | H. B. Stillman | 215, 546 | May 20, 1879 | 667 | 194 | 15 | 801 |
| Gas-burner | O. Tirrill | 220, 733 | Oct. 21, 1879 | 616 | 165 | 16 | 733 |
| Gas burners, Atmospheric | A. W. Morton | 220, 490 | Oct. 14, 1879 | 320 | 85 | 16 | 687 |
| Gas-burners, Automatic clock attachment for operating. | S. Goldsmith | 218, 015 | July 29, 1879 | 1244 | 356 | 16 | 200 |
| Gas-burners, Lighting device for | J. L. Miller, H. H. Tallmadge, and E. Brown. | 211, 102 | Jan. 7, 1879 | 24 | 8 | 15 | 4 |
| Gas-check valve, Double self-acting | P. Keller | 218, 677 | Aug. 19, 1879 | 669 | 190 | 16 | 330 |
| Gas, Compound for the purification of | J. S. Connelly | 218, 933 | Aug. 26, 1879 | 983 | ..... | 16 | 383 |
| Gas-engine | F. Bürger | 222, 569 | Dec. 16, 1879 | 537 | 152 | 16 | 1101 |
| Gas-engine | F. Bürger | 222, 660 | Dec. 16, 1879 | 647 | 185, 186 | 16 | 1117 |
| Gas-engine | J. H. Connelly | 211, 836 | Feb. 4, 1879 | 8 | 3 | 15 | 127 |
| Gas-engine | J. Robson | 220, 174 | Sept. 30, 1879 | 1293 | 356 | 16 | 617 |
| Gas-engine | W. Wittig and W. Hees | 213, 539 | Mar. 25, 1879 | 885 | 252, 253 | 15 | 436 |
| Gas-exhauster governor | W. Helme | 218, 965 | Aug. 26, 1879 | 1012 | 285 | 16 | 387 |
| Gas-exhauster governor | W. Helme | 220, 284 | Oct. 7, 1879 | 81 | 22 | 16 | 646 |
| Gas-fixing retorts, Heating benches of | T. F. Rowland | 221, 941 | Nov. 25, 1879 | 954 | ..... | 16 | 969 |
| Gas-fixtures, Brake for extensible | J. McHenry | 216, 282 | June 10, 1879 | 313 | 93 | 15 | 931 |
| Gas-flames, Apparatus for automatically raising and lowering. | J. M. Crawford | 218, 237 | Aug. 5, 1879 | 149 | 40 | 16 | 240 |
| Gas for metallurgical and other purposes, Apparatus for the production of. | C. T. Du Motay and E. J. Jerzmanowski. | 216, 118 | June 3, 1879 | 115 | 33 | 15 | 899 |
| Gas-generating apparatus | E. J. Jerzmanowski | 212, 942 | Mar. 4, 1879 | 901 | 56 | 15 | 322 |
| Gas-generating furnace | E. Brook and A. Wilson | 213, 318 | Mar. 18, 1879 | 651 | 184 | 15 | 397 |
| Gas-generator | C. T. Du Motay and E. J. Jerzmanowski. | 216, 119 | June 3, 1879 | 116 | 34 | 15 | 899 |
| Gas-generator | J. T. Guthrie | 219, 639 | Sept. 16, 1879 | 678 | 187 | 16 | 515 |
| Gas-generator | A. V. L. Paillard | 220, 087 | Sept. 30, 1879 | 1200 | 331 | 16 | 604 |
| Gas-generator | T. F. Rowland | 211, 592 | Jan. 21, 1879 | 607 | 171 | 15 | 80 |
| Gas generator and burner | A. E. Watkins | 220, 554 | Oct. 14, 1879 | 399 | 104 | 16 | 696 |
| Gas generator and carbureter, Hydrogen | J. F. Williams | 213, 600 | Mar. 25, 1879 | 950 | 270 | 15 | 444 |
| Gas-governor | G. S. Woodruff | 221, 950 | Nov. 25, 1879 | 966 | 270 | 16 | 971 |
| Gas-light extinguisher, Automatic | A. Fulton | 211, 983 | Feb. 4, 1879 | 183 | 52 | 15 | 150 |
| Gas lighting and extinguishing mechanism, Automatic. | G. P. Ganster | 211, 505 | Jan. 21, 1879 | 501 | 142 | 15 | 67 |
| Gas-lighting apparatus | W. W. Batchelder | 215, 260 | May 13, 1879 | 338 | 99 | 15 | 748 |
| Gas-lighting apparatus, Electric | W. C. Cutler and F. V. Sanford. | 211, 384 | Jan. 14, 1879 | 367 | 106 | 15 | 47 |
| Gas-lighting apparatus, Electric | A. R. Molison | 214, 173 | Apr. 8, 1879 | 514 | 147 | 15 | 545 |
| Gas-lighting apparatus, Electric | W. H. H. Whiting | 213, 795 | Apr. 1, 1879 | 71 | 23 | 15 | 482 |
| Gas-lighting apparatus, Electrical | W. H. H. Whiting | 222, 555 | Dec. 9, 1879 | 505 | 142 | 16 | 1086 |
| Gas lighting device, Electric | W. C. Cutler | 220, 704 | Oct. 21, 1879 | 577 | 154 | 16 | 728 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Gas-meter | E. Haas | 217,093 | July 1, 1879 | 191 | 55 | 16 | 26 |
| Gas-meter, Wet | G. Lizars | 213,911 | Apr. 1, 1879 | 194 | 56 | 15 | 497 |
| Gas-meters, Lock-cock for | J. Bryan and H. Mather | 219,441 | Sept. 9, 1879 | 450 | 125 | 16 | 477 |
| Gas-motor engine | G. W. Daimler | 222,467 | Dec. 9, 1879 | 410 | 116 | 16 | 1074 |
| Gas-motor, Liquid | A. Gateau | 222,184 | Dec. 2, 1879 | 77 | 18, 19 | 16 | 1019 |
| Gas or fluid regulator for heaters | H. B. Tatham, jr | 220,190 | Sept. 30, 1879 | 1316 | 363 | 16 | 621 |
| Gas-pressure governor | M. Lees | 222,289 | Dec. 2, 1879 | 195 | 51 | 16 | 1035 |
| Gas-pressure regulator | F. G. Johnson | 214,153 | Apr. 8, 1879 | 497 | 141 | 15 | 543 |
| Gas, Process and apparatus for manufacturing illuminating. | R. M. Hunter | 216,519 | June 17, 1879 | 591 | 167 | 15 | 976 |
| Gas, Process and apparatus for the manufacture of. | G. W. Harris and A. L. Allen | 216,612 | June 17, 1879 | 691 | 198 | 15 | 990 |
| Gas, Process and apparatus for the manufacture of coal. | C. W. Isbell | 214,042 | Apr. 8, 1879 | 359 | 102 | 15 | 527 |
| Gas, Purifying and increasing the illuminating power of. | O. Lugo | 214,412 | Apr. 15, 1879 | 819 | ..... | 15 | 593 |
| Gas, Purifying illuminating | O. Lugo and W. T. Lees | 222,715 | Dec. 16, 1879 | 703 | ..... | 16 | 1125 |
| Gas-regulating burner | J. W. Cloud | 220,577 | Oct. 14, 1879 | 430 | 111 | 16 | 700 |
| Gas-regulating burner | J. J. Kennevan | 213,335 | Mar. 18, 1879 | 672 | 189 | 15 | 400 |
| Gas-regulator | R. R. Ball | 214,081 | Apr. 8, 1879 | 425 | 120 | 15 | 533 |
| Gas-regulator | A. C. Blount | 211,216 | Jan. 7, 1879 | 149 | 45 | 15 | 20 |
| Gas-regulator | I. Cook | 218,116 | Aug. 5, 1879 | 11 | 4 | 16 | 222 |
| Gas-regulator | W. Cowan | 216,556 | June 17, 1879 | 624 | 177, 178 | 15 | 981 |
| Gas-regulator | J. S. De Palos | 223,064 | Dec. 30, 1879 | 1111 | 316 | 16 | 1203 |
| Gas-regulator | J. W. Eichler and H. Hartig | 217,784 | July 22, 1879 | 977 | 279 | 16 | 159 |
| Gas-regulator | C. Hoffmann | 216,186 | June 3, 1879 | 186 | 55 | 15 | 908 |
| Gas-regulator | S. F. Leach | 213,910 | Apr. 1, 1879 | 193 | 56 | 15 | 497 |
| Gas-regulator | R. Pintsch, J. Schülke, and R. Gottheil. | 220,170 | Sept. 30, 1879 | 1288 | 354 | 16 | 616 |
| Gas-regulator | J. W. Shannon | 218,325 | Aug. 5, 1879 | 242 | 65 | 16 | 253 |
| Gas-regulator | N. Sleeman | 219,989 | Sept. 23, 1879 | 1065 | 295 | 16 | 578 |
| Gas-regulator | N. Sleeman | 219,990 | Sept. 23, 1879 | 1066 | 296 | 16 | 578 |
| Gas-regulator | T. Whaley | 214,218 | Apr. 8, 1879 | 566 | 160 | 15 | 551 |
| Gas-retort | A. W. M. Maass | 214,414 | Apr. 15, 1879 | 822 | 230 | 15 | 594 |
| Gas-retort | A. W. M. Maass | 219,489 | Sept. 9, 1879 | 496 | 138 | 16 | 483 |
| Gas-retort | T. F. Rowland | 211,591 | Jan. 21, 1879 | 606 | 170, 171 | 15 | 80 |
| Gas-retort charger | A. Q. Ross | 222,562 | Dec. 9, 1879 | 511 | 144, 145 | 16 | 1087 |
| Gas-retort charger | A. Q. Ross | 212,572 | Feb. 25, 1879 | 902 | 249 | 15 | 257 |
| Gas-retort charger | A. Q. Ross | 212,573 | Feb. 25, 1879 | 903 | 249, 250 | 15 | 257 |
| Gas-retort discharger | A. Q. Ross | 212,571 | Feb. 25, 1879 | 901 | 248, 249 | 15 | 257 |
| Gas-retort discharging apparatus | A. Q. Ross | 222,564 | Dec. 9, 1879 | 516 | 145, 146 | 16 | 1088 |
| Gas-retort discharging apparatus | A. Q. Ross | 222,565 | Dec. 9, 1879 | 518 | 146, 147 | 16 | 1088 |
| Gas-retort discharging apparatus | A. Q. Ross | 212,569 | Feb. 25, 1879 | 896 | 248 | 15 | 256 |
| Gas-retort discharging machinery | A. Q. Ross | 222,563 | Dec. 9, 1879 | 514 | 145 | 16 | 1088 |
| Gas-retort furnaces with ignited coke from the retorts, Device for feeding. | F. A. Sabbaton | 218,689 | Aug. 19, 1879 | 681 | 193 | 16 | 332 |
| Gas-retort lids, Fastening for | J. Green | 218,672 | Aug. 19, 1879 | 665 | 188 | 16 | 330 |
| Gas-retorts and other purposes, Furnace for | G. Liegel | 219,165 | Sept. 2, 1879 | 119 | 35, 36 | 16 | 427 |
| Gas-retorts, Apparatus for removing coke from | C. F. Dieterich | 217,272 | July 8, 1879 | 392 | 116 | 16 | 62 |
| Gas-retorts, Charging | A. Q. Ross | 212,570 | Feb. 25, 1879 | 899 | 248 | 15 | 257 |
| Gas-retorts, Head and lid of | C. W. Isbell | 212,940 | Mar. 4, 1879 | 199 | 55 | 15 | 322 |
| Gas scrubber and purifier | G. F. North | 217,294 | July 8, 1879 | 413 | 122 | 16 | 65 |
| Gas, Scrubber for the manufacture of | C. W. Isbell | 221,566 | Nov. 11, 1879 | 504 | 137, 138 | 16 | 890 |
| Gas, Scrubber or purifier for illuminating | A. W. Wilkinson | 218,611 | Aug. 12, 1879 | 579 | 163 | 16 | 310 |
| Gas-tubing, Flexible | J. Taylor | 221,125 | Oct. 28, 1879 | 1070 | 283 | 16 | 802 |
| Gas, Utilizing tar and coke-dust in the manufacture of. | H. A. Branch | 215,564 | May 20, 1879 | 688 | 202 | 15 | 804 |
| Gas-washer | J. M. Hartman | 214,293 | Apr. 15, 1879 | 673 | 188 | 15 | 575 |
| Gas-works, Jet-exhauster for | J. S. Connelly | 215,723 | May 27, 1879 | 871 | 255 | 15 | 837 |
| Gases of distillation in refining petroleum, Apparatus for utilizing waste. | H. E. Parson | 214,946 | Apr. 29, 1879 | 1430 | 397 | 15 | 687 |
| Gasket for chambers, water-closets, &c | J. E. Morrison and P. Probert | 218,894 | Aug. 26, 1879 | 943 | 265 | 16 | 378 |
| Gasoline-burner | F. A. Lyman | 215,009 | May 6, 1879 | 30 | 10 | 15 | 706 |
| Gate: *See* Adjustable gate. Automatic gate. Bridge-gate. Elevator-gate. End-gate. Farm-gate. Fence-gate. Flood-gate. Hose relief-gate. Lock-gate. Nursery-gate. Passenger-gate. Railway-gate. Railway-crossing gate. Sewer-gate. Sluice-gate. Tile-gate. Tilting gate. Water-gate. Water-wheel gate. | | | | | | | |
| Gate | G. W. Addis | 217,720 | July 22, 1879 | 912 | 260 | 16 | 150 |
| Gate | W. G. Alexander | 217,312 | July 8, 1879 | 431 | 127 | 16 | 67 |
| Gate | A. H. Allison | 219,194 | Sept. 2, 1879 | 149 | 45 | 16 | 431 |
| Gate | W. H. Bond | 216,325 | July 8, 1879 | 443 | 130 | 16 | 69 |
| Gate | L. C. Brady | 217,260 | July 8, 1879 | 379 | 112 | 16 | 60 |
| Gate | J. H. Christopher | 215,574 | May 20, 1879 | 701 | 205 | 15 | 806 |
| Gate | J. Clore | 217,774 | July 22, 1879 | 963 | 276 | 16 | 157 |
| Gate | J. S. Corbin | 221,033 | Oct. 28, 1879 | 976 | 259 | 16 | 789 |
| Gate | T. D. Crumpton | 216,726 | June 24, 1879 | 827 | 236 | 15 | 1018 |
| Gate | A. O. Dean | 221,536 | Nov. 11, 1879 | 470 | 128 | 16 | 885 |
| Gate | M. Derby | 218,001 | July 29, 1879 | 1229 | 352 | 16 | 198 |
| Gate | W. E. Den Pree | 219,231 | Sept. 2, 1879 | 200 | 59 | 16 | 438 |
| Gate | O. Ferguson | 219,852 | Sept. 23, 1879 | 916 | 254 | 16 | 557 |
| Gate | W. N. Fort | 218,513 | Aug. 12, 1879 | 472 | 132 | 16 | 294 |

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|---|---|---|---|---|---|---|---|
| Gate | O. F. Fuller | 216,388 | June 10, 1879 | 437 | 125 | 15 | 947 |
| Gate | F. P. Gladfelter | 213,187 | Mar. 11, 1879 | 501 | 139 | 15 | 369 |
| Gate | P. E. Heck | 221,063 | Oct. 28, 1879 | 1010 | 268 | 16 | 794 |
| Gate | J. S. Henshaw | 221,410 | Nov. 11, 1879 | 318 | 87 | 16 | 865 |
| Gate | B. H. Hickok | 219,261 | Sept. 2, 1879 | 237 | 67 | 16 | 442 |
| Gate | S. Hobbs | 217,106 | July 1, 1879 | 203 | 58 | 16 | 28 |
| Gate | J. A. Knickerbocker | 215,758 | May 27, 1879 | 904 | 264, 265 | 15 | 841 |
| Gate | J. E. Q. Maddox and G. P. Humphries. | 213,119 | Mar. 11, 1879 | 422 | 116 | 15 | 359 |
| Gate | J. Malone | 218,390 | Aug. 12, 1879 | 328 | 90 | 16 | 275 |
| Gate | O. C. McCarty | 215,530 | May 20, 1879 | 652 | 190 | 15 | 799 |
| Gate | W. W. McKay | 215,531 | May 20, 1879 | 653 | 190 | 15 | 799 |
| Gate | P. W. McKinley and G. L. Ellis | 212,482 | Feb. 18, 1879 | 777 | 215 | 15 | 232 |
| Gate | T. F. Metcalfe | 221,590 | Nov. 11, 1879 | 527 | 145 | 16 | 894 |
| Gate | J. B. Mynatt | 219,502 | Sept. 9, 1879 | 512 | 142 | 16 | 485 |
| Gate | F. M. Nixon | 222,561 | Dec. 9, 1879 | 511 | 144 | 16 | 1087 |
| Gate | B. S. Norris | 218,826 | Aug. 26, 1879 | 855 | 241 | 16 | 366 |
| Gate | J. S. Noyes | 216,883 | June 24, 1879 | 1004 | 285 | 15 | 1040 |
| Gate | H. Petry | 216,447 | June 10, 1879 | 507 | 144 | 15 | 956 |
| Gate | G. W. Pyle | 212,501 | Feb. 18, 1879 | 797 | 220 | 15 | 235 |
| Gate | E. Robins | 220,662 | Oct. 14, 1879 | 519 | 137 | 16 | 712 |
| Gate | T. Rodes | 219,981 | Sept. 23, 1879 | 1059 | 293 | 16 | 577 |
| Gate | J. D. Shannon | 222,956 | Dec. 23, 1879 | 983 | 282 | 16 | 1176 |
| Gate | N. Y. Shaw | 214,590 | Apr. 22, 1879 | 1034 | 291 | 15 | 628 |
| Gate | W. Vogan | 211,445 | Jan. 14, 1879 | 436 | 123 | 15 | 56 |
| Gate | L. Wilkins | 219,789 | Sept. 16, 1879 | 836 | 231 | 16 | 537 |
| Gate | J. G. Wilson | 222,806 | Dec. 23, 1879 | 812 | 232 | 16 | 1151 |
| Gate and door closing device | W. H. Williams | 218,801 | Aug. 19, 1879 | 800 | 228 | 16 | 349 |
| Gate-roll | G. D. Rowell | 212,574 | Feb. 25, 1879 | 906 | 250 | 15 | 258 |
| Gate-roller | W. Schwendler | 211,796 | Jan. 28, 1879 | 856 | 239 | 15 | 116 |
| Gate-shutter | I. A. Pool | 214,949 | Apr. 29, 1879 | 1432 | 398 | 15 | 688 |
| Gates, Apparatus for opening and closing | M. T. and A. B. Reeves | 217,484 | July 15, 1879 | 633 | 180, 181 | 16 | 104 |
| Gates, Swinging | J. W. Needham | 220,939 | Oct. 28, 1879 | 958 | 230 | 16 | 774 |
| Gear-cutting machine | C. E. Albro | 219,892 | Sept. 23, 1879 | 958 | 265 | 16 | 563 |
| Gear-cutting machine | T. Wolcott | 223,088 | Dec. 30, 1879 | 1144 | 323 | 16 | 1208 |
| Gear-wheel | J. M. McCoy | 218,994 | Aug. 26, 1879 | 1045 | 295 | 16 | 391 |
| Gear-wheel, Friction | A. J. Davis | 219,922 | Sept. 23, 1879 | 996 | 277 | 16 | 568 |
| Gearing | A. G. Heinle | 214,821 | Apr. 29, 1879 | 1302 | 364 | 15 | 671 |
| Gearing, Differential | R. Dutton | 211,894 | Feb. 4, 1879 | 81 | 23 | 15 | 136 |
| Gearing, Variable-speed | S. D. Locke | 213,338 | Mar. 18, 1879 | 675 | 190 | 15 | 400 |
| Gem-setting | F. S. Draper | 221,041 | Oct. 28, 1879 | 988 | 262 | 16 | 791 |
| Gem-setting | C. F. Quinley | 219,760 | Sept. 16, 1879 | 800 | 221 | 16 | 532 |
| Gems, Device for exhibiting | L. P. Jeanne | 215,626 | May 20, 1879 | 763 | 223 | 15 | 814 |
| Gems, Fastening | J. Schwehr | 219,772 | Sept. 16, 1879 | 814 | 225 | 16 | 534 |
| Generator: *See* Gas-generator. Steam-generator. Pressure-generator. Vapor-fuel generator. | | | | | | | |
| Gilder's press | J. T. Shepperd | 220,875 | Oct. 21, 1879 | 773 | 206 | 16 | 754 |
| Gilding moldings | J. C. Hofer | 215,222 | May 13, 1879 | 290 | 85 | 15 | 742 |
| Glass and furnace therefor, Manufacture of | R. M. Atwater | 212,168 | Feb. 11, 1879 | 399 | 109 | 15 | 179 |
| Glass bulbs, Tool for opening and shaping the ends of. | O. P. Jackson and T. J. McTighe | 222,789 | Dec. 23, 1879 | 792 | 228 | 16 | 1149 |
| Glass, Compound and process for crystallizing | W. Gibson | 212,681 | Feb. 25, 1879 | 1010 | ..... | 15 | 271 |
| Glass, Crystalline | W. Gibson | 212,682 | Feb. 25, 1879 | 1011 | ..... | 15 | 272 |
| Glass dish | G. Wahl and B. Weimann | 221,635 | Nov. 11, 1879 | 573 | 158 | 16 | 901 |
| Glass, &c., Engraving and dressing | R. A. Sawyer | 217,709 | July 22, 1879 | 901 | 258 | 16 | 149 |
| Glass for etching, Mode of placing designs upon | E. Pollard | 215,667 | May 20, 1879 | 803 | ..... | 15 | 819 |
| Glass for ornamentation, Grinding | J. Story | 213,594 | Mar. 25, 1879 | 944 | 268 | 15 | 443 |
| Glass-furnace | D. Agnew | 213,858 | Apr. 1, 1879 | 140 | 41 | 15 | 490 |
| Glass-furnace | J. Kress | 212,289 | Mar. 18, 1879 | 623 | 175 | 15 | 393 |
| Glass-jar mold | J. N. Bodine | 215,869 | May 27, 1879 | 1037 | 302 | 15 | 858 |
| Glass, Melting and manufacture of | G. Leuffgen | 214,572 | Apr. 22, 1879 | 1012 | 285 | 15 | 626 |
| Glass-mold | T. B. Atterbury and W. Beck | 214,274 | Apr. 15, 1879 | 653 | 183 | 15 | 572 |
| Glass-mold | D. Barker | 216,134 | June 3, 1879 | 132 | 39 | 15 | 902 |
| Glass-mold | W. Fox | 218,010 | July 29, 1879 | 1238 | 354 | 16 | 200 |
| Glass-mold and method of removing articles therefrom. | C. K. Bryce | 214,879 | Apr. 29, 1879 | 1364 | 380 | 15 | 678 |
| Glass-molds, Cleaning | W. Beck, H. Feurhake, and W. A. O. Wuth. | 221,022 | Oct. 28, 1879 | 963 | ..... | 16 | 788 |
| Glass-molds, Cleaning | W. Beck and H. Feurhake | 221,023 | Oct. 28, 1879 | 964 | ..... | 16 | 788 |
| Glass-molds, Cleaning | W. A. O. Wuth | 221,138 | Oct. 28, 1879 | 1082 | ..... | 16 | 803 |
| Glass-molds, Cleaning | W. A. O. Wuth | 221,139 | Oct. 28, 1879 | 1083 | ..... | 16 | 803 |
| Glass-molds, Preparing | H. Feurhake | 219,240 | Sept. 2, 1879 | 213 | ..... | 16 | 439 |
| Glass or china ware utensils, Connecting parts of | J. Story | 219,418 | Sept. 9, 1879 | 426 | 118 | 16 | 474 |
| Glass, &c., Ornamenting articles of | W. A. Potter and G. A. Glahn | 214,188 | Apr. 8, 1879 | 531 | 151 | 15 | 547 |
| Glass pattern | J. Rees | 219,764 | Sept. 16, 1879 | 804 | 222 | 16 | 533 |
| Glass pipe, Apparatus for the manufacture of | J. B. Ford | 217,789 | July 22, 1879 | 983 | 281 | 16 | 160 |
| Glass-polishing apparatus | J. W. Jacobs | 217,945 | July 29, 1879 | 1169 | 335 | 16 | 191 |
| Glass-presses, Device for attaching plungers to | J. C. Gill | 215,516 | May 20, 1879 | 637 | 186 | 15 | 797 |
| Glass printing and decorating machine | S. J. Hoggson | 219,862 | Sept. 23, 1879 | 926 | 256 | 16 | 559 |
| Glass-shaping machine | O. P. Jackson and T. J. McTighe | 222,790 | Dec. 23, 1879 | 793 | 228 | 16 | 1149 |
| Glass tray | H. Franz | 212,208 | Feb. 11, 1879 | 450 | 124 | 15 | 185 |
| Glassware | F. S. Shirley | 212,158 | Feb. 11, 1879 | 389 | 106 | 15 | 178 |
| Glassware, Decorating | H. Feurhake | 212,365 | Feb. 18, 1879 | 630 | ..... | 15 | 213 |
| Glassware, Machine for etching | J. Haley | 219,813 | Sept. 23, 1879 | 883 | 243 | 16 | 552 |
| Glassware, Machine for finishing | H. S. McKee | 215,761 | May 27, 1879 | 906 | 266 | 15 | 842 |
| Glassware, Machine for grinding | B. Fischer | 212,674 | Feb. 25, 1879 | 1002 | 278, 279 | 15 | 270 |
| Glassware, Machine for shaping and finishing | T. B. Atterbury | 214,273 | Apr. 15, 1879 | 650 | 182 | 15 | 572 |
| Glassware, Machine for shaping and finishing | T. B. Atterbury and W. Beck | 212,421 | Feb. 18, 1879 | 699 | 194 | 15 | 222 |
| Glassware, Machine for shaping and finishing | T. B. Atterbury and W. Beck | 213,605 | Mar. 25, 1879 | 955 | 271 | 15 | 444 |
| Glassware, Machine for shaping and finishing | W. Beck | 214,276 | Apr. 15, 1879 | 656 | 183 | 15 | 573 |

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| | | | | Spec. | Dr'g. | Vol. | Page. |
| Glassware, Machine for shaping and finishing open-ended. | T. B. Atterbury and W. Beck | 214, 345 | Apr. 15, 1879 | 743 | 208 | 15 | 584 |
| Glassware, Machine for shaping tubular | A. H. Heisey | 212, 932 | Mar. 4, 1879 | 190 | 53 | 15 | 321 |
| Glassware, Manufacture of | H. Franz | 220, 822 | Oct. 21, 1879 | 716 | 190 | 16 | 746 |
| Glassware, Manufacture of graduated | M. Block | 217, 050 | July 1, 1879 | 137 | 41 | 16 | 20 |
| Glassware, Method and apparatus for flaring | O. P. Jackson | 214, 150 | Apr. 8, 1879 | 494 | 140 | 15 | 542 |
| Glassware, Method and apparatus for forming and finishing. | D. C. Ripley | 214, 053 | Apr. 8, 1879 | 375 | 106 | 15 | 529 |
| Glassware, Ornamentation of | F. S. Shirley | 220, 038 | Sept. 30, 1879 | 1135 | 313 | 16 | 595 |
| Glassware, Shaper and finisher for pitchers and like articles of. | D. C. Ripley | 214, 054 | Apr. 8, 1879 | 377 | 106 | 15 | 529 |
| Glassware, Tool for flaring | O. P. Jackson | 222, 788 | Dec. 23, 1879 | 791 | 227 | 16 | 1148 |
| Glazier's point-setter | W. B. Fenton | 216, 950 | July 1, 1879 | 25 | 8 | 16 | 5 |
| Glazier's tool | W. H. G. Savage | 212, 515 | Feb. 18, 1879 | 824 | 228 | 15 | 238 |
| Gleaner and binder | E. W. Jenkins | 221, 235 | Nov. 4, 1879 | 105 | 27, 28 | 16 | 826 |
| Gleaner and hay-rake | W. A. Stark | 221, 626 | Nov. 11, 1879 | 561 | 155 | 16 | 899 |
| Gleaning and grain-binding machine | M. A. Keller | 221, 922 | Nov. 25, 1879 | 930 | 260, 261 | 16 | 966 |
| Globe and machinery and process for making the same. | J. Arkell | 221, 013 | Oct. 28, 1879 | 952 | 254, 255 | 16 | 787 |
| Globe and shade holder for gas and other lights | J. Breeden | 214, 357 | Apr. 15, 1879 | 759 | 212 | 15 | 586 |
| Globe-holder for gas-fixtures | H. B. Stillman | 220, 504 | Oct. 14, 1879 | 336 | 89 | 16 | 689 |
| Globe, Terrestrial | H. Allen | 217, 671 | July 22, 1879 | 859 | 245 | 16 | 143 |
| Globe, Time | J. Arkell | 220, 462 | Oct. 14, 1879 | 287 | 77 | 16 | 683 |
| Globe, Time | L. P. Juvet | 220, 480 | Oct. 14, 1879 | 311 | 82 | 16 | 686 |
| Glove | G. M. Allerton | 211, 614 | Jan. 28, 1879 | 645 | 181 | 15 | 89 |
| Glove | W. E. Hall | 219, 814 | Sept. 23, 1879 | 884 | 243 | 16 | 552 |
| Glove | A. Harris | 215, 738 | May 27, 1879 | 885 | 259 | 15 | 838 |
| Glove | H. C. Hatch | 219, 859 | Sept. 23, 1879 | 924 | 255 | 16 | 558 |
| Glove | T. Munthe | 217, 814 | July 22, 1879 | 1008 | 289 | 16 | 163 |
| Glove | G. Schilling | 218, 322 | Aug. 5, 1879 | 236 | 64 | 16 | 252 |
| Glove and other fastening | E. Atkins | 216, 931 | July 1, 1879 | 3 | 1 | 16 | 3 |
| Glove and shoe buttoner | S. F. Howland | 215, 612 | May 20, 1879 | 747 | 218 | 15 | 812 |
| Glove, Boxing | C. J. Glover | 220, 281 | Oct. 7, 1879 | 77 | 21 | 16 | 645 |
| Glove, Corn-husking | E. F. Rate | 215, 542 | May 20, 1879 | 664 | 193 | 15 | 801 |
| Glove-fastener | W. H. Storey | 214, 596 | Apr. 22, 1879 | 1041 | 292 | 15 | 629 |
| Glove, Husking | W. E. Hall | 218, 625 | Aug. 19, 1879 | 616 | 173 | 16 | 323 |
| Glove, Husking | H. W. Price | 217, 818 | July 22, 1879 | 1014 | 291 | 16 | 164 |
| Glove, Swimming | C. Primbs | 216, 455 | June 10, 1879 | 513 | 146 | 15 | 958 |
| Glove-tree | G. W. Graham | 215, 347 | May 13, 1879 | 437 | 130 | 15 | 761 |
| Gloves, Combined cabinet and show-case for | J. H. Smith and A. Traver | 211, 940 | Feb. 4, 1879 | 135 | 39 | 15 | 143 |
| Glucose, Manufacture of | H. C. Humphrey | 220, 159 | Sept. 30, 1879 | 1264 | ..... | 16 | 613 |
| Glucose, Manufacturing | H. M. Hartshorn | 218, 020 | July 29, 1879 | 1249 | ..... | 16 | 201 |
| Glue-heating apparatus | E. J. Wood | 212, 294 | Feb. 11, 1879 | 537 | 151 | 15 | 198 |
| Glue-pot | C. S. Comins | 219, 388 | Sept. 9, 1879 | 391 | 109 | 16 | 469 |
| Glue-stock, Treating bones for | W. Adamson | 216, 816 | June 24, 1879 | 930 | ..... | 15 | 1031 |
| Glycerine from fats, Apparatus for extracting | A. Kuehne | 215, 372 | May 13, 1879 | 458 | 137 | 15 | 764 |
| Goblet, Pocket | G. H. Hazelton | 212, 221 | Feb. 11, 1879 | 460 | 127 | 15 | 187 |
| Gold, &c., Apparatus for concentrating and amalgamating. | J. Patterson | 221, 350 | Nov. 4, 1879 | 238 | 65 | 16 | 845 |
| Gold-beating machine | J. H. Cooper | 213, 874 | Apr. 1, 1879 | 158 | 46 | 15 | 493 |
| Gold from auriferous deposits, Machine for extracting. | E. S. Bennett | 221, 905 | Nov. 25, 1879 | 909 | 254 | 16 | 964 |
| Gold-leaf, Instrument for laying | G. W. Langdon | 217, 950 | July 29, 1879 | 1173 | 336 | 16 | 191 |
| Gold-washer | S. M. Eddy | 219, 926 | Sept. 23, 1879 | 1000 | 278 | 16 | 569 |
| Gold-washer | W. H. Pilliner | 220, 656 | Oct. 14, 1879 | 514 | 136 | 16 | 712 |
| Goods, Apparatus for facilitating payments and delivery of. | J. C. White | 221, 488 | Nov. 11, 1879 | 411 | 112 | 16 | 877 |
| Governor | M. L. Jacquemin | 219, 951 | Sept. 23, 1879 | 1027 | 286 | 16 | 573 |
| Governor and cut-off attachment, Automatic | I. M. Scott | 219, 179 | Sept. 2, 1879 | 133 | 40 | 16 | 429 |
| Governor and cut-off, Automatic | L. H. Watson | 211, 309 | Jan. 14, 1879 | 281 | 83 | 15 | 37 |
| Governor and friction-brake for machinery, Speed | T. A. Weston | 212, 337 | Feb. 18, 1879 | 599 | 168 | 15 | 208 |
| Governor and self-adjusting cut-off, Combined | C. B. Cook | 218, 492 | Aug. 12, 1879 | 449 | 125 | 16 | 291 |
| Governor and speed-regulator, Engine | J. Reid | 220, 867 | Oct. 21, 1879 | 760 | 203 | 16 | 752 |
| Governor, Boiler water | J. Bridges | 218, 922 | Aug. 26, 1879 | 971 | 273 | 16 | 382 |
| Governor, Dynamometrical | E. A. Bourry | 216, 826 | June 24, 1879 | 944 | 269 | 15 | 1033 |
| Governor, Engine | F. Burns | 212, 185 | Feb. 11, 1879 | 426 | 116 | 15 | 182 |
| Governor, Engine | W. J. Kenderdine | 211, 240 | Jan. 7, 1879 | 176 | 52 | 15 | 23 |
| Governor, Engine | S. Whinery | 216, 922 | June 24, 1879 | 1052 | 298 | 15 | 1046 |
| Governor for steam-engines, Auxiliary | J. Milton | 213, 449 | Mar. 18, 1879 | 770 | 217 | 15 | 413 |
| Governor, Horse-power | J. Worick | 219, 558 | Sept. 9, 1879 | 564 | 158 | 16 | 493 |
| Governor, Marine | M. Hulings | 211, 738 | Jan. 28, 1879 | 789 | 222 | 15 | 108 |
| Governor, Pumping-engine | E. L. Otis | 216, 693 | June 17, 1879 | 776 | 222 | 15 | 1001 |
| Governor regulator, Steam-engine | L. C. Taber | 215, 182 | May 6, 1879 | 225 | 66 | 15 | 731 |
| Governor, Steam-engine | F. Fosdick | 221, 296 | Nov. 4, 1879 | 170 | 46 | 16 | 836 |
| Governor, Steam-engine | C. S. Locke | 211, 335 | Jan. 14, 1879 | 314 | 93 | 15 | 41 |
| Governor, Steam-engine | G. F. Pottle | 222, 946 | Dec. 23, 1879 | 973 | 279 | 16 | 1175 |
| Governor, Steam-engine | F. W. Robinson | 220, 660 | Oct. 14, 1879 | 517 | 137 | 16 | 712 |
| Governor, Water-wheel | N. M. Dibble | 219, 923 | Sept. 23, 1879 | 997 | 277 | 16 | 569 |
| Grader and stalk-cutter, Combined | M. Smail | 221, 872 | Nov. 18, 1879 | 855 | 239 | 16 | 947 |
| Grader, Road | J. T. Currier | 219, 696 | Sept. 16, 1879 | 738 | 204 | 16 | 524 |
| Grain and middlings separator | W. H. Rhodes | 213, 070 | Mar. 11, 1879 | 359 | 101, 102 | 15 | 351 |
| Grain, Apparatus for degerminating | J. Mills | 223, 056 | Dec. 30, 1879 | 1100 | 313 | 16 | 1202 |
| Grain, Apparatus for removing germs and fuzz from | S. Potts and A. Parson | 213, 774 | Apr. 1, 1879 | 47 | 15 | 15 | 479 |
| Grain-bag and fastening | A. B. Gardner | 217, 362 | July 8, 1879 | 489 | 142 | 16 | 74 |
| Grain-bin | O. Johnson | 218, 033 | July 29, 1879 | 1265 | 361 | 16 | 203 |
| Grain-binder | H. A. Adams | 214, 980 | May 6, 1879 | 1 | 1 | 15 | 703 |
| Grain-binder | W. R. Baker | 215, 553 | May 20, 1879 | 677 | 197, 198 | 15 | 803 |
| Grain-binder | C. S. Banker | 219, 433 | Sept. 9, 1879 | 441 | 122, 123 | 16 | 476 |
| Grain-binder | W. H. Berry | 222, 231 | Dec. 2, 1879 | 131 | 33, 34 | 16 | 1026 |
| Grain-binder | L. O. Brekke | 218, 225 | Aug. 5, 1879 | 134 | 36, 37 | 16 | 238 |
| Grain-binder | O. L. Castle | 211, 293 | Jan. 14, 1879 | 251 | 74 | 15 | 33 |

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| Grain-binder | J. W. Clover | 222,668 | Dec. 16, 1879 | 656 | 188, 189 | 16 | 1119 |
| Grain-binder | C. Colahan | 215,265 | May 13, 1879 | 344 | 100 | 15 | 749 |
| Grain-binder | R. Emerson and G. Case | 217,596 | July 15, 1879 | 758 | 215, 216 | 16 | 121 |
| Grain-binder | J. F. Gordon | 211,150 | Jan. 7, 1879 | 81 | 25 | 15 | 11 |
| Grain-binder | J. Howard and E. T. Bousfield | 218,974 | Aug. 26, 1879 | 1023 | 287, 288, 289 | 16 | 389 |
| Grain-binder | S. Johnston | 222,632 | Dec. 16, 1879 | 611 | 174, 175 | 16 | 1112 |
| Grain-binder | W. A. Kirby | 217,541 | July 15, 1879 | 691 | 197 | 16 | 112 |
| Grain-binder | S. D. Locke | 218,447 | Aug. 12, 1879 | 391 | 108 | 16 | 283 |
| Grain-binder | S. D. Locke | 222,060 | Nov. 25, 1879 | 1079 | 301, 302 | 16 | 987 |
| Grain-binder | S. D. Locke | 222,061 | Nov. 25, 1879 | 1081 | 303 | 16 | 987 |
| Grain-binder | S. D. Locke | 222,829 | Dec. 23, 1879 | 836 | 239, 240 | 16 | 1155 |
| Grain-binder | L. J. McCormick | 222,416 | Dec. 9, 1879 | 337 | 95, 96 | 16 | 1065 |
| Grain-binder | J. Pagin | 217,139 | July 1, 1879 | 236 | 68 | 16 | 33 |
| Grain-binder | W. H. Payne | 214,790 | Apr. 29, 1879 | 1267 | 354 | 15 | 666 |
| Grain-binder | W. H. Payne | 219,304 | Sept. 2, 1879 | 284 | 80 | 16 | 448 |
| Grain-binder | F. W. Randall | 213,838 | Apr. 1, 1879 | 116 | 35 | 15 | 487 |
| Grain-binder | S. H. Richardson | 218,774 | Aug. 19, 1879 | 771 | 219 | 16 | 344 |
| Grain-binder | A. Ross and S. J. Parker | 215,680 | May 20, 1879 | 815 | 239 | 15 | 821 |
| Grain-binder | A. Ross and S. J. Parker | 216,532 | June 17, 1879 | 603 | 171 | 15 | 978 |
| Grain-binder | A. Stark | 220,186 | Sept. 30, 1879 | 1309 | 362 | 16 | 620 |
| Grain-binder | J. F. Steward | 211,354 | Jan. 14, 1879 | 332 | 98 | 15 | 43 |
| Grain-binder | C. L. Travis | 216,241 | June 3, 1879 | 240 | 72, 73 | 14 | 915 |
| Grain-binder | C. L. Travis | 219,605 | Sept. 16, 1879 | 629 | 175 | 16 | 509 |
| Grain-binder | D. Williamson | 217,185 | July 1, 1879 | 285 | 84, 85 | 16 | 39 |
| Grain-binder | C. B. Withington | 215,704 | May 20, 1879 | 841 | 245, 246 | 15 | 825 |
| Grain-binder | C. B. Withington | 220,047 | Sept. 30, 1879 | 1148 | 317 | 16 | 597 |
| Grain-binder attachment | C. Colahan | 215,266 | May 13, 1879 | 344 | 100 | 15 | 749 |
| Grain-binder knot-tier | G. B. Morton | 217,812 | July 22, 1879 | 1005 | 288 | 16 | 163 |
| Grain-binder knot-tier | H. E. Pridmore | 212,154 | Feb. 11, 1879 | 385 | 105 | 15 | 177 |
| Grain-binder knot-tier | O. O. Sterle | 220,551 | Oct. 14, 1879 | 394 | 102, 103 | 16 | 696 |
| Grain-binder knotting apparatus | M. A. Keller | 221,921 | Nov. 25, 1879 | 927 | 260 | 16 | 966 |
| Grain-binder knotting-hook | S. D. Locke | 218,038 | July 29, 1879 | 1271 | 363 | 16 | 204 |
| Grain-binder knot-tying device | C. L. Travis | 219,187 | Sept. 2, 1879 | 141 | 42 | 16 | 430 |
| Grain-binder knot-tying mechanism | P. F. McClure | 219,169 | Sept. 2, 1879 | 123 | 37, 38 | 16 | 428 |
| Grain-binder, Sulky | E. Dederick | 222,986 | Dec. 30, 1879 | 1023 | 293 | 16 | 1192 |
| Grain-binder wire-spools, Tension device for | T. J. Foster | 222,777 | Dec. 23, 1879 | 779 | 224 | 16 | 1147 |
| Grain-binders, Compressor and detainer for | O. O. Sterle | 222,960 | Dec. 23, 1879 | 987 | 283 | 16 | 1176 |
| Grain-binders, Cord holder and cutter for | O. O. Sterle | 221,627 | Nov. 11, 1879 | 562 | 155 | 16 | 899 |
| Grain-binders, Straw-band attachment for | G. Davis | 212,200 | Feb. 11, 1879 | 442 | 121 | 15 | 185 |
| Grain, Bobbin of wire for binding | R. C. Fay | 216,666 | June 17, 1879 | 744 | 212 | 15 | 997 |
| Grain by cutting-action, Apparatus for reducing | W. Putnam and W. H. Scott | 218,194 | Aug. 5, 1879 | 104 | 28 | 16 | 234 |
| Grain cleaning and scouring machine | L. Langevin | 223,153 | Dec. 30, 1879 | 1215 | 344 | 16 | 1218 |
| Grain-conducting apparatus | J. F. Lenox | 215,760 | May 27, 1879 | 905 | 265, 266 | 15 | 841 |
| Grain-conveyer | W. T. Smith and E. Abshagen | 211,351 | Jan 14, 1879 | 329 | 97 | 15 | 43 |
| Grain-conveyer, Pneumatic | L. C. Kennard and C. M. De La Haye. | 219,019 | Aug. 26, 1879 | 1072 | 302 | 16 | 394 |
| Grain-cradle | N. M. Hulbert and T. F. Elliott | 214,916 | Apr. 29, 1879 | 1404 | 389 | 15 | 684 |
| Grain-crushing machines, Porcelain roll for | W. Braun | 216,553 | June 17, 1879 | 621 | 176 | 15 | 980 |
| Grain-decorticating apparatus | F. X. Stiefenhofer | 223,184 | Dec. 30, 1879 | 1244 | 352, 353 | 16 | 1222 |
| Grain, Device for removing metallic substances from. | A. McKain | 213,519 | Mar. 25, 1879 | 858 | 244 | 15 | 433 |
| Grain, Disintegrating | L. J. Cox | 222,674 | Dec. 16, 1879 | 664 | ..... | 16 | 1120 |
| Grain-door | G. C. Banta | 213,491 | Mar. 25, 1879 | 829 | 235 | 15 | 429 |
| Grain-drier | T. Brown | 217,986 | July 29, 1879 | 1207 | 346 | 16 | 196 |
| Grain-drier | J. G. Bühler and W. B. Pye | 214,237 | Apr. 15, 1879 | 606 | 172 | 15 | 566 |
| Grain-drier | P. Provost | 214,189 | Apr. 8, 1879 | 532 | 151 | 15 | 547 |
| Grain-drill | P. E. Browning | 214,358 | Apr. 15, 1879 | 760 | 212, 213 | 15 | 586 |
| Grain-drill | S. B. Hart | 221,408 | Nov. 11, 1879 | 316 | 86 | 16 | 865 |
| Grain-drill | M. G. Madson | 222,063 | Nov. 25, 1879 | 1084 | 304 | 16 | 987 |
| Grain-drill | E. M. Morgan | 216,572 | June 17, 1879 | 646 | 183 | 15 | 984 |
| Grain-drill | J. A. Shephard | 222,316 | Dec. 2, 1879 | 221 | 59 | 16 | 1039 |
| Grain-drill | F. M. Steves | 218,461 | Aug. 12, 1879 | 413 | 113 | 16 | 286 |
| Grain-drill | J. Strayer | 221,004 | Oct. 28, 1879 | 945 | 252 | 16 | 785 |
| Grain-drill fertilizer attachment | C. P. Bechtelle | 215,864 | May 27, 1879 | 1032 | 301 | 15 | 857 |
| Grain-drill fertilizing attachment | D. F. Hull | 215,748 | May 27, 1879 | 893 | 261 | 15 | 839 |
| Grain-drill gage | P. W. and H. G. Briggs | 214,094 | Apr. 8, 1879 | 438 | 124 | 15 | 535 |
| Grain-drill hoes, Bar for connecting | J. T. West | 219,046 | Aug. 26, 1879 | 1101 | 309 | 16 | 398 |
| Grain-drill shoe | J. T. West | 218,412 | Aug. 12, 1879 | 346 | 95 | 16 | 278 |
| Grain, &c., drying machine | J. G. Roberts and S. E. Werrell | 211,432 | Jan. 14, 1879 | 421 | 119 | 15 | 54 |
| Grain elevating and moving apparatus | P. Ely | 223,036 | Dec. 30, 1879 | 1077 | 307 | 16 | 1199 |
| Grain-elevator, Pneumatic | J. B. Stoner | 218,595 | Aug. 12, 1879 | 561 | 158 | 16 | 307 |
| Grain-elevator, Pneumatic | F. Taggart | 213,709 | Mar. 25, 1879 | 1065 | 303 | 15 | 459 |
| Grain for after-milling, Preparing | S. Potts | 218,571 | Aug. 12, 1879 | 536 | 151 | 16 | 304 |
| Grain from cars, Machinery for unloading | T. L. Clark | 215,045 | May 6, 1879 | 67 | 21 | 15 | 711 |
| Grain grader and separator | B. F. Fowler | 218,726 | Aug. 19, 1879 | 718 | 204 | 16 | 337 |
| Grain in vacuo, Process of and apparatus for reducing. | J. B. Teufflin | 213,471 | Mar. 18, 1879 | 797 | 225 | 15 | 417 |
| Grain-lifter | L. Haverstick | 215,354 | May 13, 1879 | 442 | 132 | 15 | 762 |
| Grain, Machine for separating magnetic substances from. | C. Wheeler, jr | 213,598 | Mar. 25, 1879 | 948 | 270 | 15 | 413 |
| Grain, Machine for separating metal from | C. W. Levalley | 222,191 | Dec. 2, 1879 | 85 | 21 | 16 | 1020 |
| Grain-meter | W. H. Allen | 222,851 | Dec. 23, 1879 | 866 | 249 | 16 | 1158 |
| Grain-meter | G. W. Barnard | 218,216 | Aug. 5, 1879 | 125 | 34 | 16 | 237 |

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| Grain-meter | W. and T. P. Carr | 221, 518 | Nov. 11, 1879 | 444 | 121 | 16 | 882 |
| Grain-meter | R. H. Edmiston | 214, 635 | Apr. 22, 1879 | 1080 | 303 | 15 | 635 |
| Grain-meter | A. Gleason | 213, 560 | Mar. 25, 1879 | 908 | 260 | 15 | 438 |
| Grain-meter | A. Lowmiller | 221, 082 | Oct. 28, 1879 | 1031 | 273 | 16 | 797 |
| Grain-meter | A. Lowmiller | 221, 083 | Oct. 28, 1879 | 1032 | 273 | 16 | 797 |
| Grain-meter | J. Nurnberger | 220, 861 | Sept. 21, 1879 | 754 | 201 | 16 | 751 |
| Grain-meter | E. Reisert | 214, 953 | Apr. 29, 1879 | 1435 | 399, 400 | 15 | 688 |
| Grain-meter | E. Reisert | 215, 160 | May 6, 1879 | 206 | 59 | 15 | 727 |
| Grain-meter | C. H. Schmincke | 217, 553 | July 15, 1879 | 709 | 202 | 16 | 115 |
| Grain-meter | J. B. Stoner | 218, 594 | Aug. 12, 1879 | 558 | 157, 158 | 16 | 307 |
| Grain, Mode of and apparatus for mashing | L. and A. Smith, jr | 214, 724 | Apr. 22, 1879 | 1174 | 330 | 15 | 646 |
| Grain, &c., Process and apparatus for cooling and drying. | F. A. Luckenbach | 212, 955 | Mar. 4, 1879 | 213 | 60 | 15 | 324 |
| Grain-register | L. C. Ives | 211, 740 | Jan. 28, 1879 | 791 | 222 | 15 | 108 |
| Grain-sampler | W. C. Lyman | 215, 230 | May 13, 1879 | 299 | 88 | 15 | 743 |
| Grain scourer and cleaner | M. Toulmin | 216, 240 | June 3, 1879 | 238 | 71 | 15 | 915 |
| Grain-scouring machine | E. P. Hann and M. B. Atkinson | 214, 653 | Apr. 22, 1879 | 1099 | 308 | 15 | 637 |
| Grain-separator | J. Allonas | 213, 156 | Mar. 11, 1879 | 467 | 129 | 15 | 364 |
| Grain-separator | G. W. Baker | 213, 313 | Mar. 18, 1879 | 647 | 182 | 15 | 396 |
| Grain-separator | C. H. Brookbank | 221, 026 | Oct. 28, 1879 | 967 | 257 | 16 | 788 |
| Grain-separator | A. Fugel | 222, 688 | Dec. 16, 1879 | 678 | 195 | 16 | 1122 |
| Grain-separator | L. W. Hasselman | 218, 437 | Aug. 12, 1879 | 382 | 105 | 16 | 282 |
| Grain-separator | J. F. Hatfield | 211, 571 | Jan. 21, 1879 | 580 | 164 | 15 | 77 |
| Grain-separator | T. C. Histed | 218, 971 | Aug. 26, 1879 | 1019 | 286, 287 | 16 | 388 |
| Grain-separator | H. H. May | 212, 031 | Feb. 4, 1879 | 232 | 65 | 15 | 155 |
| Grain-separator | C. E. Merrifield | 222, 360 | Dec. 9, 1879 | 279 | 78 | 16 | 1057 |
| Grain-separator | J. W. Morrison | 216, 212 | June 3, 1879 | 213 | 63 | 15 | 912 |
| Grain-separator | J. W. Morrison | 220, 639 | Oct. 14, 1879 | 495 | 130 | 16 | 709 |
| Grain-separator | G. E. Passage | 221, 604 | Nov. 11, 1879 | 540 | 149 | 16 | 896 |
| Grain-separator | W. S. Reeder | 213, 934 | Apr. 1, 1879 | 215 | 63 | 15 | 500 |
| Grain-separator | W. H. Silsby | 221, 621 | Nov. 11, 1879 | 556 | 154 | 16 | 899 |
| Grain-separator | J. H. Stargeon | 215, 078 | May 6, 1879 | 106 | 32 | 15 | 716 |
| Grain-separator | F. Swift and L. A. Lyon | 215, 690 | May 20, 1879 | 827 | 242 | 15 | 823 |
| Grain-separator | W. Workman | 223, 021 | Dec. 30, 1879 | 1063 | 304 | 16 | 1197 |
| Grain-separator, Magnetic | H. E. Cook and J. B. Thayer | 214, 025 | Apr. 8, 1879 | 336 | 96 | 15 | 525 |
| Grain-separator, Magnetic | D. D. Hardy | 222, 627 | Dec. 16, 1879 | 606 | 173 | 16 | 1111 |
| Grain-separators, Blast-regulator for | C. H. Faling | 216, 732 | June 24, 1879 | 835 | 238 | 15 | 1019 |
| Grain-separators, Straw-carrier for | W. S. Reeder | 213, 935 | Apr. 1, 1879 | 215 | 63 | 15 | 500 |
| Grain-spout, Adjustable | F. M. Campbell | 213, 278 | Mar. 18, 1879 | 609 | 172 | 15 | 391 |
| Grain-testing device | J. N. Stacy | 217, 165 | July 1, 1879 | 265 | 78 | 16 | 37 |
| Grain-testing device | J. N. Stacy | 217, 166 | July 1, 1879 | 265 | 78 | 16 | 37 |
| Grain-toller | H. E. Douglass | 223, 034 | Dec. 30, 1879 | 1075 | 307 | 16 | 1199 |
| Grain-toller | D. Wangh | 214, 734 | Apr. 22, 1879 | 1186 | 333 | 15 | 648 |
| Grain-transfer machine | J. T. Hough | 215, 818 | May 27, 1879 | 976 | 285 | 15 | 850 |
| Grapes, Restoring moisture to | C. J. Renz | 218, 491 | Aug. 12, 1879 | 337 | ..... | 16 | 276 |
| Graphoscope | H. Pattberg | 214, 789 | Apr. 29, 1879 | 1266 | 354 | 15 | 666 |
| Grappling-iron | N. Webb and D. F. Beveridge | 211, 120 | Jan. 7, 1879 | 48 | 15 | 15 | 7 |
| Grass, paper, &c., cutter | R. C. Fletcher | 218, 511 | Aug. 12, 1879 | 470 | 131 | 16 | 294 |
| Grate | E. Card | 220, 464 | Oct. 14, 1879 | 290 | 77 | 16 | 683 |
| Grate | J. M. Crawford | 218, 238 | Aug. 5, 1879 | 151 | 41 | 16 | 240 |
| Grate | R. E. Deane | 215, 212 | May 13, 1879 | 281 | 82 | 15 | 741 |
| Grate | J. B. Geyser | 218, 376 | Aug. 12, 1879 | 312 | 85 | 16 | 273 |
| Grate | G. Jackson | 212, 010 | Feb. 4, 1879 | 212 | 60 | 15 | 153 |
| Grate | E. Kuhn | 218, 752 | Aug. 19, 1879 | 747 | 213 | 16 | 341 |
| Grate | W. McClave | 213, 516 | Mar. 25, 1879 | 854 | 243 | 15 | 432 |
| Grate | G. B. Mershon | 213, 228 | Mar. 11, 1879 | 540 | 150 | 15 | 374 |
| Grate | J. W. Reynolds | 214, 703 | Apr. 22, 1879 | 1148 | 324 | 15 | 643 |
| Grate | D. Richmond | 222, 077 | Nov. 25, 1879 | 1099 | 309 | 16 | 989 |
| Grate and blower, Combined open | A. Van De Wiele | 217, 496 | July 15, 1879 | 645 | 183, 184 | 16 | 106 |
| Grate and fire-chamber | L. F. Beckwith | 220, 909 | Oct. 28, 1879 | 821 | 219, 220 | 16 | 769 |
| Grate bar | J. Ashcroft | 213, 730 | Apr. 1, 1879 | 1 | 1 | 15 | 473 |
| Grate bar | C. F. Curwen | 217, 449 | July 15, 1879 | 598 | 171 | 16 | 100 |
| Grate bar | W. H. Dougherty | 222, 625 | Dec. 16, 1879 | 604 | 172 | 16 | 1111 |
| Grate bar | J. B. Miller | 212, 566 | Mar. 4, 1879 | 229 | 63 | 15 | 326 |
| Grate bar | F. Van Patten and G. W. Perry | 222, 165 | Dec. 2, 1879 | 55 | 14 | 16 | 1016 |
| Grate bar | F. Steele | 216, 708 | June 17, 1879 | 790 | 226 | 15 | 1004 |
| Grate bar, Rocking | F. B. Stevens | 221, 430 | Nov. 11, 1879 | 341 | 94 | 16 | 868 |
| Grate-bar, Shaking and dumping | W. H. Fogette | 220, 969 | Oct. 28, 1879 | 898 | 240 | 16 | 779 |
| Grate, Fire | R. MacKellar | 216, 872 | June 24, 1879 | 995 | 282 | 15 | 1039 |
| Grate, Fire-place | J. B. Tarver | 216, 769 | June 24, 1879 | 879 | 250 | 15 | 1024 |
| Grate, Parlor-mantel | J. L. Tressler and W. H. Loomis | 221, 756 | Nov. 18, 1879 | 713 | 199 | 16 | 928 |
| Grater and cutter, Vegetable | W. Mild | 220, 723 | Oct. 21, 1879 | 601 | 160 | 16 | 731 |
| Grater, Corn | G. Wood | 222, 974 | Dec. 23, 1879 | 1005 | 288 | 16 | 1179 |
| Grater, Nutmeg | C. F. Chase | 222, 454 | Dec. 9, 1879 | 380 | 107 | 16 | 1070 |
| Grater, Nutmeg | W. Nash | 213, 059 | Mar. 11, 1879 | 246 | 97 | 15 | 349 |
| Grating, Window | J. W. Snapp | 214, 595 | Apr. 22, 1879 | 1040 | 292 | 15 | 629 |
| Grave-guard and tombstone | M. Beckler | 216, 500 | June 17, 1879 | 567 | 162 | 15 | 973 |
| Grave or tomb | J. H. Thorp | 213, 790 | Apr. 1, 1879 | 64 | 20, 21 | 15 | 481 |
| Grave protector or shield | D. Davis | 215, 582 | May 20, 1879 | 714 | 208 | 15 | 807 |
| Graves, Device for filling | M. Bender | 218, 218 | Aug. 5, 1879 | 127 | 34 | 16 | 237 |
| Griddle | G. Staley | 212, 759 | Feb. 25, 1879 | 1096 | 304 | 15 | 283 |
| Gridiron | J. M. Adams | 215, 711 | May 27, 1879 | 858 | 251 | 15 | 835 |
| Grinder | L. D. Cogswell | 220, 911 | Oct. 28, 1879 | 823 | 220 | 16 | 769 |
| Grinding and drilling tools, Stock for | J. M. Hunter | 220, 290 | Oct. 7, 1879 | 80 | 24 | 16 | 647 |
| Grinding and polishing machine, Portable | H. Howson | 214, 144 | Apr. 8, 1879 | 489 | 139 | 15 | 542 |
| Grinding and polishing wheel | G. Hart | 215, 351 | May 13, 1879 | 439 | 131 | 15 | 762 |
| Grinding and pulverizing mill | J. T. Davis | 212, 664 | Feb. 25, 1879 | 995 | 276 | 15 | 269 |
| Grinding, granulating, and treating wheat and bran, Machine for. | F. Wegmann | 212, 774 | Feb. 25, 1879 | 1112 | 309, 310 | 15 | 285 |
| Grinding-machine | L. Seiffert | 222, 539 | Dec. 9, 1879 | 485 | 137 | 16 | 1083 |

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|---|---|---|---|---|---|---|---|
| Grinding-mill | J. G. Baker | 220,111 | Sept. 30, 1879 | 1224 | 337 | 16 | 608 |
| Grinding-mill | T. Bowman | 211,964 | Feb. 4, 1879 | 162 | 46, 47 | 15 | 147 |
| Grinding-mill | C. Custer | 211,383 | Jan. 14, 1879 | 366 | 105 | 15 | 47 |
| Grinding-mill | J. Fitzgerald | 214,768 | Apr. 29, 1879 | 1238 | 347 | 15 | 662 |
| Grinding-mill | J. T. Obenchain | 215,658 | May 20, 1879 | 794 | 232 | 15 | 818 |
| Grinding-mill | W. Peck | 212,049 | Feb. 4, 1879 | 261 | 71, 72 | 15 | 158 |
| Grinding-mill | E. Rhodes | 214,195 | Apr. 8, 1879 | 537 | 153 | 15 | 548 |
| Grinding-mill | J. Stevens | 221,371 | Nov. 4, 1879 | 259 | 70 | 16 | 848 |
| Grinding-mill | A. Stevenson and S. Wylde | 216,906 | June 24, 1879 | 1032 | 293 | 15 | 1044 |
| Grinding-mill | E. Totman | 221,707 | Nov. 18, 1879 | 661 | 185 | 16 | 921 |
| Grinding-mill | A. H. Wagner | 211,281 | Jan. 7, 1879 | 221 | 64, 65 | 15 | 29 |
| Grinding-mill | A. H. Wagner | 211,948 | Feb. 4, 1879 | 142 | 41 | 15 | 144 |
| Grinding-mill | S. P. Walling | 218,346 | Aug. 5, 1879 | 264 | 72 | 16 | 255 |
| Grinding-mill | J. W. and S. J. Woodcock | 213,273 | Mar. 11, 1879 | 586 | 164 | 15 | 380 |
| Grinding-mill and feed-cutter, Combined | T. Clarke | 212,192 | Feb. 11, 1879 | 433 | 119 | 15 | 184 |
| Grinding-mill burr | M. F. Connett | 213,175 | Mar. 11, 1879 | 490 | 136 | 15 | 367 |
| Grinding-mill burr | G. and A. Raymond | 223,166 | Dec. 30, 1879 | 1229 | 347 | 16 | 1219 |
| Grinding mill, Feed | L. Litchfield | 219,166 | Sept. 2, 1879 | 120 | 36, 37 | 16 | 428 |
| Grinding-mill for tortilla, green corn, &c | F. A. Gardner | 220,525 | Oct. 14, 1879 | 360 | 95 | 16 | 692 |
| Grinding mill, Middlings | J. Jones | 215,132 | May 6, 1879 | 180 | 51 | 15 | 724 |
| Grinding mill, Middlings | J. Mills | 213,922 | Apr. 1, 1879 | 204 | 59, 60 | 15 | 499 |
| Grinding mill, Middlings | J. Mills | 215,236 | May 13, 1879 | 305 | 90 | 15 | 744 |
| Grinding-mill motor | L. Langevin | 214,159 | Apr. 8, 1879 | 501 | 142 | 15 | 543 |
| Grinding-mill, Roller | W. D. Gray | 222,895 | Dec. 23, 1879 | 914 | 263 | 16 | 1166 |
| Grinding-tool | F. Mason | 216,093 | June 3, 1879 | 92 | 27 | 15 | 896 |
| Grindstone-frame | J. E. Hoppen | 211,096 | Jan. 7, 1879 | 18 | 7 | 15 | 3 |
| Grindstone tool-holder | M. S. Curtiss | 213,496 | Mar. 25, 1879 | 837 | 237 | 15 | 430 |
| Grooving-iron | J. W. Ammons | 221,763 | Nov. 18, 1879 | 721 | 201 | 16 | 929 |
| Grub or sprout extractor | J. W. Snapp | 220,501 | Oct. 14, 1879 | 333 | 88 | 16 | 688 |
| Grub-puller | J. C. Hodges | 216,090 | June 3, 1879 | 90 | 26 | 15 | 896 |
| Grubbing-machine | S. G. McCann | 218,127 | Aug. 5, 1879 | 22 | 7 | 16 | 224 |
| Guano and seed distributer | J. Scoggin | 213,843 | Apr. 1, 1879 | 122 | 36 | 15 | 488 |
| Guano-distributer and seed-planter | J. W. F. Gilreath | 217,090 | July 1, 1879 | 188 | 54 | 16 | 26 |
| Guard: *See* Button-hole guard. Can-guard. Car-window guard. Door and window guard. Grave-guard. Harvester-guard. Lantern-guard. Mustache-guard. Pistol-hammer guard. Railway-platform guard. Sand-guard. Sewing-machine needle-guard. Sink-guard. Trunk-lock guard. Weather-guard. Window-guard. | | | | | | | |
| Guard-finger | J. O. Brown | 215,789 | May 27, 1879 | 940 | 276 | 15 | 846 |
| Gun and harpoon, Combined bomb | E. Pierce | 211,777 | Jan. 28, 1879 | 833 | 233, 234 | 15 | 114 |
| Gun for firing signal-cartridges | E. D. Kendall | 217,116 | July 1, 1879 | 214 | 61 | 16 | 30 |
| Gun-lock | C. E. Best | 216,370 | June 10, 1879 | 417 | 119 | 15 | 944 |
| Gun-lock | T. Duncan | 215,590 | May 20, 1879 | 722 | 211 | 15 | 808 |
| Gun-lock | W. M. Scott | 215,022 | May 6, 1879 | 43 | 13 | 15 | 708 |
| Gun, Machine | B. B. Hotchkiss | 211,737 | Jan. 28, 1879 | 786 | 221 | 15 | 107 |
| Gun, Machine | B. B. Hotchkiss | 211,849 | Feb. 4, 1879 | 27 | 9, 10, 11 | 15 | 130 |
| Gun, Machine | W. Gardner | 216,266 | June 10, 1879 | 288 | 85, 86 | 15 | 928 |
| Gun, Machine | H. Palmerantz | 218,190 | Aug. 5, 1879 | 96 | 26, 27 | 16 | 234 |
| Gun, Machine | H. Palmerantz | 220,545 | Oct. 14, 1879 | 385 | 100, 101 | 16 | 695 |
| Gun, Magazine | A. Burgess | 213,865 | Apr. 1, 1879 | 147 | 43 | 15 | 491 |
| Gun, Magazine | A. Burgess | 217,987 | July 29, 1879 | 1208 | 347 | 16 | 196 |
| Gun, Magazine | W. R. Livermore and A. H. Russell. | 221,079 | Oct. 28, 1879 | 1024 | 272 | 16 | 796 |
| Gun, Magazine | F. Y. Sunderland | 222,098 | Nov. 25, 1879 | 1129 | 318 | 16 | 993 |
| Gun, Magazine | F. W. Tiesing and S. V. Kennedy. | 218,462 | Aug. 12, 1879 | 414 | 114 | 16 | 286 |
| Gun, Spring | M. Coloney | 213,976 | Apr. 8, 1879 | 279 | 81 | 15 | 517 |
| Gun, Spring | R. Wylie | 220,325 | Oct. 7, 1879 | 129 | 35 | 16 | 652 |
| Gun-stock | J. C. Thompson | 213,307 | Mar. 18, 1879 | 641 | 181 | 15 | 395 |
| Gun-swab | H. Comstock | 211,555 | Jan. 21, 1879 | 560 | 158 | 15 | 74 |
| Gun-wad | W. E. Budd and J. W. Ogden | 217,727 | July 22, 1879 | 921 | 264 | 16 | 151 |
| Gun-wad | A. C. Hobbs | 218,629 | Aug. 19, 1879 | 621 | 174 | 16 | 323 |
| Gun-wiper | T. Y. Brown | 214,484 | Apr. 22, 1879 | 905 | 256 | 15 | 613 |
| Gun-wiper | J. P. Simons | 217,752 | July 22, 1879 | 943 | 271 | 16 | 155 |
| Gun-wiper | T. Y. Brown | 219,384 | Sept. 9, 1879 | 386 | 108 | 16 | 469 |
| Gun-wiper | T. Y. Brown | 219,385 | Sept. 9, 1879 | 387 | 108 | 16 | 469 |
| Guns, Charger for filling the magazines of | T. G. Bennett | 211,691 | Jan. 28, 1879 | 733 | 204 | 15 | 101 |
| Guns, Rifle-barrel for breech-loading shot | J. Stevens | 211,642 | Jan. 28, 1879 | 680 | 190 | 15 | 93 |
| Gutter-hinges, Securing metallic | A. W. Decrow | 217,002 | July 1, 1879 | 79 | 24 | 16 | 12 |
| Gymnastic apparatus | W. C. Shimoneck | 218,404 | Aug. 12, 1879 | 339 | 93 | 16 | 277 |
| H. | | | | | | | |
| Hair clipping and cutting instrument | J. K. Priest | 220,416 | Oct. 7, 1879 | 227 | 61 | 16 | 666 |
| Hair-crimper | W. Mills and C. H. Hershey | 218,390 | Aug. 5, 1879 | 214 | 58 | 16 | 249 |
| Hair-cutting machine | W. Miller | 221,087 | Oct. 28, 1879 | 1036 | 274, 275 | 16 | 797 |
| Hair-pin | W. Schultz | 217,413 | July 8, 1879 | 539 | 155 | 16 | 80 |
| Hair-spring stud | N. Monday and J. P. Doherty | 221,189 | Nov. 4, 1879 | 47 | 13 | 16 | 819 |
| Hair, &c., Treating non-feltable animal | G. Hamilton | 220,532 | Oct. 14, 1879 | 379 | 97 | 16 | 693 |
| Hair, Treatment of animal | G. Hamilton | 220,533 | Oct. 14, 1879 | 373 | ..... | 16 | 693 |
| Hair-weft | J. R. Krause | 220,627 | Oct. 14, 1879 | 484 | 127 | 16 | 708 |
| Halter | S. Scott | 220,498 | Oct. 14, 1879 | 330 | 87 | 16 | 688 |
| Halter-trimming | J. Hudson | 218,631 | Aug. 19, 1879 | 622 | 175 | 16 | 323 |
| Hame | W. T. Ramoy | 215,673 | May 20, 1879 | 808 | 237 | 15 | 820 |
| Hame attachment | C. H. Allen | 214,695 | Apr 22, 1879 | 1051 | 295 | 15 | 631 |

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| Hame attachment | C. H. Allen | 214,745 | Apr. 29, 1879 | 1212 | 340 | 15 | 659 |
| Hame-clip | W. F. Beck | 219,673 | Sept. 16, 1879 | 714 | 198 | 16 | 520 |
| Hame-clip | P. Burns | 214,019 | Apr. 8, 1879 | 331 | 95 | 15 | 524 |
| Hame-dressing machine | F. Krein | 222,509 | Dec. 9, 1879 | 450 | 128, 129 | 16 | 1080 |
| Hame-fastener | H. M. Beam | 215,862 | May 27, 1879 | 1030 | 300 | 15 | 857 |
| Hame-fastener | J. P. Bell | 222,002 | Nov. 25, 1879 | 1019 | 285 | 16 | 978 |
| Hame-fastener | E. Covert | 216,155 | June 3, 1879 | 154 | 45 | 15 | 904 |
| Hame-fastener | A. B. Parkman | 218,310 | Aug. 5, 1879 | 226 | 61 | 16 | 251 |
| Hame-fastening | S. L. Denney | 214,993 | May 6, 1879 | 13 | 5 | 15 | 704 |
| Hame-fastening | J. L. Tilly | 218,599 | Aug. 12, 1879 | 566 | 160 | 16 | 308 |
| Hame, Harness | W. B. Hayden | 212,691 | Feb. 25, 1879 | 1019 | 283 | 15 | 272 |
| Hame-loop | P. and W. B. Hayden | 211,998 | Feb. 4, 1879 | 199 | 56 | 15 | 152 |
| Hame, Sheet-metal | J. S. Brown | 221,211 | Nov. 4, 1879 | 76 | 20 | 16 | 822 |
| Hame, strap, and pad, Combined | J. M. Sharp | 214,460 | Apr. 15, 1879 | 863 | 243 | 15 | 600 |
| Hammer for posting bills and cards | W. Hart | 217,101 | July 1, 1879 | 198 | 57 | 16 | 28 |
| Hammer, Power | L. Brady | 217,327 | July 8, 1879 | 445 | 131 | 16 | 69 |
| Hammock | J. P. Travers | 217,964 | July 29, 1879 | 1187 | 340 | 16 | 193 |
| Hammock | V. P. Travers | 231,754 | Nov. 18, 1879 | 711 | 199 | 16 | 928 |
| Hammock-support | V. P. Travers | 221,984 | Nov. 25, 1879 | 1003 | 281 | 16 | 976 |
| Hams, Canning | J. W. Black | 223,106 | Dec. 30, 1879 | 1166 | ..... | 16 | 1210 |
| Hand and foot power, Combined | J. Dick, jr | 214,028 | Apr. 8, 1879 | 340 | 97 | 15 | 525 |
| Hand-power for operating churns, &c | J. W. Miller | 217,892 | July 29, 1879 | 1110 | 318 | 16 | 183 |
| Hand-protector for driving | H. B. Thompson | 214,796 | Apr. 29, 1879 | 1274 | 356 | 15 | 667 |
| Handcuff | R. H. Daley | 222,252 | Dec. 2, 1879 | 159 | 41 | 16 | 1030 |
| Handcuff-lock | J. J. Tower and H. W. Kahlke | 222,751 | Dec. 16, 1879 | 739 | 212 | 16 | 1130 |
| Handle: *See* Auger-handle. Awl-handle. Coffin-handle. Cutlery-handle. Drawer-handle. Lifting-handle. Saw-handle. Shovel-handle. Tea and coffee pot handle. Tool-handle. | | | | | | | |
| Handle for lifting or carrying boxes or barrels | M. J. Eagan | 218,865 | Aug. 26, 1879 | 909 | 254 | 16 | 372 |
| Handles of celluloid and similar materials on cutlery, &c., Molding. | L. S. Beals and P. Thomas | 222,229 | Dec. 2, 1879 | 129 | 32 | 16 | 1026 |
| Hanger: *See* Coat and vest hanger. Colter-hanger. Door-hanger. Eave-trough hanger. Garment-hanger. Paper-hanger. Shaft-hanger. | | | | | | | |
| Harness | C. H. Cooley | 221,156 | Nov. 4, 1879 | 20 | 5 | 16 | 815 |
| Harness | A. K. Diefenbach | 212,201 | Feb. 11, 1879 | 443 | 121 | 15 | 185 |
| Harness | M. A. Frost | 222,485 | Dec. 9, 1879 | 427 | 122 | 16 | 1077 |
| Harness | A. W. and A. L. Lawton | 221,413 | Nov. 11, 1879 | 322 | 88 | 16 | 866 |
| Harness | C. S. Piersons | 213,246 | Mar. 11, 1879 | 559 | 156 | 15 | 377 |
| Harness | D. S. and F. B. Sheffield and W. H. Marcellus. | 222,315 | Dec. 2, 1879 | 220 | 58 | 16 | 1039 |
| Harness | C. R. Stanhope | 218,590 | Aug. 12, 1879 | 556 | 156 | 16 | 306 |
| Harness | F. D. Thurman | 215,693 | May 20, 1879 | 831 | 242 | 15 | 823 |
| Harness | F. D. Thurman | 222,331 | Dec. 2, 1879 | 242 | 65 | 16 | 1042 |
| Harness, Back-band for plow | L. A. Bringier | 217,983 | July 29, 1879 | 1203 | 345 | 16 | 196 |
| Harness, Back-band loop for plow | P. Mann | 214,935 | Apr. 29, 1879 | 1420 | 394 | 15 | 686 |
| Harness box-loop | J. C. Brightman and J. B. Burrell | 216,256 | June 10, 1879 | 277 | 82 | 15 | 927 |
| Harness breeching-strap | H. Holt | 212,467 | Feb. 18, 1879 | 762 | 211 | 15 | 230 |
| Harness-coupling | F. Reynolds and G. D. Hayes | 216,700 | June 17, 1879 | 783 | 223 | 15 | 1003 |
| Harness, Device for suspending and detaching | J. O. Knapp | 221,579 | Nov. 11, 1879 | 518 | 142 | 16 | 893 |
| Harness for preventing horses from kicking | W. Smith | 216,705 | June 17, 1879 | 787 | 225 | 15 | 1003 |
| Harness, Gag-runner for | W. M. Blain | 213,802 | Apr. 1, 1879 | 78 | 25 | 15 | 483 |
| Harness, &c., Instrument for mending | C. P. Adams | 221,991 | Nov. 25, 1879 | 1010 | 283 | 16 | 977 |
| Harness-loop | W. E. Dippert | 216,027 | June 3, 1879 | 25 | 6 | 15 | 888 |
| Harness-loop | E. A. Forman | 214,815 | Apr. 29, 1879 | 1296 | 362 | 15 | 670 |
| Harness-loop press | J. L. Barkley | 222,808 | Dec. 23, 1879 | 814 | 233 | 16 | 1151 |
| Harness-maker's use, Machine for | J. B. Underwood | 221,373 | Nov. 4, 1879 | 261 | 71 | 16 | 849 |
| Harness-mountings, Constructing | S. S. Sargeant | 216,764 | June 24, 1879 | 874 | 248 | 15 | 1024 |
| Harness-pad | E. R. Cahoone | 212,129 | Feb. 11, 1879 | 360 | 98 | 15 | 174 |
| Harness-pad | R. M. Selleck | 211,478 | Jan. 21, 1879 | 471 | 133 | 15 | 63 |
| Harness-pad, Adjustable | J. Johnson | 220,846 | Oct. 21, 1879 | 742 | 197 | 16 | 749 |
| Harness-pad, Ventilating | J. W. Lewis | 219,487 | Sept. 9, 1879 | 495 | 138 | 16 | 483 |
| Harness spring attachment | W. Warwick | 223,085 | Dec. 30, 1879 | 1140 | 322 | 16 | 1207 |
| Harness-strap | T. G. Glennon | 216,845 | June 24, 1879 | 967 | 275 | 15 | 1035 |
| Harness-strap-cutting machine | H. L. Gordon | 216,174 | June 3, 1879 | 175 | 52 | 15 | 907 |
| Harrow | O. Bayles | 213,541 | Mar. 25, 1879 | 887 | 253 | 15 | 436 |
| Harrow | M. S. Blair | 216,933 | July 1, 1879 | 6 | 2 | 16 | 3 |
| Harrow | T. V. Cardwell | 221,664 | Nov. 18, 1879 | 609 | 171 | 16 | 914 |
| Harrow | D. I. Corker | 215,577 | May 20, 1879 | 704 | 206 | 15 | 806 |
| Harrow | A. Deisher | 219,229 | Sept. 2, 1879 | 198 | 59 | 16 | 437 |
| Harrow | S. Emery and D. H. Eberly | 212,204 | Feb. 11, 1879 | 447 | 123 | 15 | 185 |
| Harrow | L. C. English | 213,983 | Apr. 8, 1879 | 286 | 83 | 15 | 518 |
| Harrow | H. L. Falck and D. Neff | 217,084 | July 1, 1879 | 181 | 52 | 16 | 25 |
| Harrow | A. F. French | 216,387 | June 10, 1879 | 436 | 124 | 15 | 947 |
| Harrow | S. Harris | 214,562 | Apr. 22, 1879 | 1003 | 282 | 15 | 625 |
| Harrow | S. Harris | 218,173 | Aug. 5, 1879 | 77 | 20 | 16 | 231 |
| Harrow | J. C. Johnson | 219,953 | Sept. 23, 1879 | 1029 | 286 | 16 | 573 |
| Harrow | H. M. Keller | 214,667 | Apr. 22, 1879 | 1115 | 312 | 15 | 639 |
| Harrow | D. W. Kingery | 215,368 | May 13, 1879 | 455 | 136 | 15 | 764 |
| Harrow | G. Lettenmyer | 214,671 | Apr. 22, 1879 | 1119 | 314 | 15 | 639 |
| Harrow | E. Murray | 212,043 | Feb. 4, 1879 | 255 | 69 | 15 | 158 |
| Harrow | D. A. Plecker | 219,513 | Sept. 9, 1879 | 521 | 145 | 16 | 487 |
| Harrow | C. D. Price | 214,446 | Apr. 15, 1879 | 853 | 240 | 15 | 598 |
| Harrow | J. Reese | 217,638 | July 15, 1879 | 798 | 227 | 16 | 126 |
| Harrow | S. F. Reynolds | 215,975 | May 27, 1879 | 1144 | 332 | 15 | 871 |
| Harrow | J. Rogers | 222,312 | Dec. 2, 1879 | 217 | 57 | 16 | 1039 |
| Harrow | T. Rogers | 214,955 | Apr. 29, 1879 | 1440 | 400, 401 | 15 | 689 |

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| Harrow | J. H. Simpson | 211,191 | Jan. 7, 1879 | 126 | 39 | 15 | 17 |
| Harrow | H. S. Smith | 220,183 | Sept. 30, 1879 | 1308 | 361 | 16 | 619 |
| Harrow | J. T. Vanausdal | 212,286 | Feb. 11, 1879 | 530 | 148 | 15 | 197 |
| Harrow | S. L. Waters | 219,043 | Aug. 26, 1879 | 1098 | 308 | 16 | 368 |
| Harrow | E. R. Whitney | 214,974 | Apr. 29, 1879 | 1460 | 406 | 15 | 692 |
| Harrow | J. F. Wilcox | 212,020 | Mar. 4, 1879 | 291 | 82 | 15 | 334 |
| Harrow | C. Wirth | 218,846 | Aug. 26, 1879 | 887 | 248 | 16 | 369 |
| Harrow | J. H. Yager | 213,024 | Mar. 4, 1879 | 295 | 83 | 15 | 334 |
| Harrow, Adjustable | W. D. Fink | 211,981 | Feb. 4, 1879 | 181 | 51 | 15 | 149 |
| Harrow and clod-crusher | J. M. Murphy | 221,598 | Nov. 11, 1879 | 535 | 148 | 16 | 896 |
| Harrow and corn-planter, Combined | M. McNitt | 212,722 | Feb. 25, 1879 | 1054 | 292 | 15 | 277 |
| Harrow and plow, Combination | C. J. Daniels | 218,429 | Aug. 12, 1879 | 374 | 102 | 16 | 281 |
| Harrow and roller, Riding | E. W. Benway, C. M. Rouse, and J. M. Voss. | 221,767 | Nov. 18, 1879 | 725 | 202 | 16 | 930 |
| Harrow and seed-sower | W. H. Traylor | 222,753 | Dec. 16, 1879 | 741 | 213 | 16 | 1131 |
| Harrow and sod-cutter, Combined | S. Tally | 218,332 | Aug. 5, 1879 | 248 | 68 | 16 | 254 |
| Harrow-coupling | A. B. Campbell | 222,864 | Dec. 23, 1879 | 882 | 253 | 16 | 1161 |
| Harrow, Metallic | N. Beauregard | 217,320 | July 8, 1879 | 439 | 129 | 16 | 68 |
| Harrow or drag, Spring | D. Waterbury | 214,537 | Apr. 22, 1879 | 976 | 274 | 15 | 621 |
| Harrow, Pulverizing disk | R. D. Norton | 214,180 | Apr. 8, 1879 | 522 | 149 | 15 | 546 |
| Harrow, Smoothing | C. A. Meeker | 216,878 | June 24, 1879 | 999 | 284 | 15 | 1039 |
| Harrow, Spring-tooth | A. S. Baker | 216,302 | June 10, 1879 | 334 | 98 | 15 | 934 |
| Harrow, Sulky | C. La Dow | 222,512 | Dec. 9, 1879 | 452 | 129 | 16 | 1080 |
| Harrow, Sulky | G. W. Riley | 215,774 | May 27, 1879 | 922 | 271 | 15 | 844 |
| Harrow, Sulky revolving | M. L. Scivalley | 220,210 | Sept. 30, 1879 | 1337 | 369 | 16 | 624 |
| Harrow-teeth, Rest and holder for pointing | C. P. Buckingham | 216,019 | June 3, 1879 | 15 | 4 | 15 | 886 |
| Harrow-tooth | D. D. Johnston | 213,428 | Mar. 18, 1879 | 759 | 214 | 15 | 412 |
| Harrow-tooth | E. R. Whitney | 211,819 | Jan. 28, 1879 | 880 | 248 | 15 | 120 |
| Harrow, Toothless | J. W. Mulvey | 212,393 | Feb. 18, 1879 | 663 | 186 | 15 | 217 |
| Harrow, Wheel | W. H. Main | 220,396 | Oct. 7, 1879 | 206 | 56 | 16 | 663 |
| Harrow, Wheel | H. F. and G. F. Shaw | 220,255 | Oct. 7, 1879 | 50 | 13 | 16 | 641 |
| Harvester | S. D. Bates | 219,795 | Sept. 23, 1879 | 859 | 237 | 16 | 549 |
| Harvester | S. C. Cobb | 213,494 | Mar. 25, 1879 | 835 | 236 | 15 | 429 |
| Harvester | C. Colahan | 215,322 | May 13, 1879 | 414 | 123 | 15 | 758 |
| Harvester | T. M. Flenniken | 218,952 | Aug. 26, 1879 | 1000 | 281 | 16 | 386 |
| Harvester | R. S. Gilbert | 222,582 | Dec. 16, 1879 | 550 | 156, 157 | 16 | 1103 |
| Harvester | M. L. Gorham | 218,377 | Aug. 12, 1879 | 313 | 85, 86 | 16 | 273 |
| Harvester | C. P. Gronberg | 213,106 | Mar. 11, 1879 | 410 | 113 | 15 | 357 |
| Harvester | S. D. Locke and E. Bowhay | 214,929 | Apr. 29, 1879 | 1414 | 393 | 15 | 685 |
| Harvester | J. P. Manny | 216,744 | June 24, 1879 | 851 | 241 | 15 | 1020 |
| Harvester | J. P. Manny | 216,745 | June 24, 1879 | 853 | 242 | 15 | 1021 |
| Harvester | J. P. Manny | 216,746 | June 24, 1879 | 854 | 242 | 15 | 1021 |
| Harvester | J. S. Marsh | 222,978 | Dec. 23, 1879 | 1010 | 289, 290 | 16 | 1180 |
| Harvester | S. W. Moore | 215,017 | May 6, 1879 | 39 | 12 | 15 | 707 |
| Harvester | J. L. Owens | 222,419 | Dec. 9, 1879 | 342 | 96 | 16 | 1066 |
| Harvester | A. R. Reese | 221,422 | Nov. 11, 1879 | 331 | 91, 92 | 16 | 867 |
| Harvester | E. W. Skinner | 223,014 | Dec. 30, 1879 | 1055 | 302 | 16 | 1196 |
| Harvester | J. Werner, jr | 219,330 | Sept. 2, 1879 | 313 | 88, 89 | 16 | 451 |
| Harvester | A. N. Wilson | 219,553 | Sept. 9, 1879 | 559 | 156, 157 | 16 | 492 |
| Harvester | W. A. Wood | 212,528 | Feb. 18, 1879 | 836 | 232 | 15 | 240 |
| Harvester and thrasher, Combined steam | W. H. Foye | 220,366 | Oct. 7, 1879 | 173 | 46 | 16 | 658 |
| Harvester, Corn | L. Pelton | 215,391 | May 13, 1879 | 475 | 142 | 15 | 767 |
| Harvester, Cotton | R. H. Pirtle | 212,740 | Feb. 25, 1879 | 1071 | 297, 298 | 15 | 280 |
| Harvester, Cotton | W. T. Read | 211,522 | Jan. 21, 1879 | 525 | 148 | 15 | 70 |
| Harvester-cutter | J. O. Brown | 211,377 | Jan. 14, 1879 | 359 | 104 | 15 | 46 |
| Harvester-cutter | F. M. Conner | 216,941 | July 1, 1879 | 15 | 4 | 16 | 4 |
| Harvester-cutter | B. Pratt | 212,323 | Feb. 18, 1879 | 584 | 163 | 15 | 207 |
| Harvester cutting apparatus | T. E. Page | 219,756 | Sept. 16, 1879 | 797 | 220 | 16 | 532 |
| Harvester-dropper | H. A. Halvorson | 211,730 | Jan. 28, 1879 | 780 | 219 | 15 | 106 |
| Harvester-dropper | C. Wheeler, jr | 211,286 | Jan. 7, 1879 | 228 | 66, 67 | 15 | 30 |
| Harvester-elevator | C. Ainsworth | 212,879 | Mar. 4, 1879 | 115 | 34 | 15 | 313 |
| Harvester-elevator | C. Ainsworth | 216,126 | June 3, 1879 | 126 | 37 | 15 | 901 |
| Harvester-elevator | E. Chapman | 214,811 | Apr. 29, 1879 | 1292 | 361 | 15 | 669 |
| Harvester-elevator | C. F. Craver and J. M. Wishart | 212,296 | Feb. 11, 1879 | 539 | 151 | 15 | 198 |
| Harvester finger-bar | W. H. Davis | 213,497 | Mar. 25, 1879 | 838 | 237 | 15 | 430 |
| Harvester finger-guard | J. M. Weaver | 212,637 | Feb. 25, 1879 | 972 | 269 | 15 | 266 |
| Harvester grain-binder | T. H. Parvin | 219,506 | Sept. 9, 1879 | 515 | 143, 144 | 16 | 486 |
| Harvester, Grain-binding | J. F. Appleby | 212,420 | Feb. 18, 1879 | 692 | 193 | 15 | 221 |
| Harvester, Grain-binding | S. Johnston | 222,633 | Dec. 16, 1879 | 615 | 175, 176 | 16 | 1112 |
| Harvester grain-elevator | C. Miller | 221,690 | Nov. 18, 1879 | 639 | 179 | 16 | 918 |
| Harvester-grinder | R. P. Clarke | 213,873 | Apr. 1, 1879 | 156 | 46 | 15 | 492 |
| Harvester-grinder | J. S. Elliott | 211,138 | Jan. 7, 1879 | 65 | 21 | 15 | 9 |
| Harvester guard-finger | J. P. Manny | 216,748 | June 24, 1879 | 856 | 242 | 15 | 1021 |
| Harvester-knives, Machine for grinding | D. Hollinger | 218,269 | Aug. 5, 1879 | 181 | 49 | 16 | 245 |
| Harvester-mitt | A. Gillinn | 216,788 | June 24, 1879 | 901 | 256, 257 | 15 | 1027 |
| Harvester-pitman | D. S. Blue | 220,696 | Oct. 21, 1879 | 570 | 152 | 16 | 727 |
| Harvester pitman-connection | W. B. Dunning | 213,039 | Mar. 11, 1879 | 325 | 91, 92 | 15 | 347 |
| Harvester-rake | F. Cunningham | 221,723 | Nov. 18, 1879 | 680 | 190 | 16 | 923 |
| Harvester-rake | J. Garrard | 219,932 | Sept. 23, 1879 | 1006 | 280 | 16 | 570 |
| Harvester-rake | J. H. Jones and R. Emerson | 222,589 | Dec. 16, 1879 | 556 | 158, 159 | 16 | 1104 |
| Harvester-rake | W. K. Miller | 212,250 | Feb. 11, 1879 | 490 | 136 | 15 | 191 |
| Harvester-rake | K. H. C. Preston | 212,153 | Feb. 11, 1879 | 384 | 105 | 15 | 177 |
| Harvester-rake | W. A. Wood | 220,952 | Oct. 28, 1879 | 880 | 235 | 16 | 777 |
| Harvester-rake fender | A. Keiser | 214,570 | Apr. 22, 1879 | 1011 | 284 | 15 | 625 |
| Harvester-reel | J. F. Appleby | 216,253 | June 10, 1879 | 274 | 81 | 15 | 927 |
| Harvester-reel | S. D. Locke | 218,634 | Aug. 19, 1879 | 625 | 176 | 16 | 324 |
| Harvester-reel | B. Moreland | 212,318 | Feb. 18, 1879 | 576 | 161 | 15 | 206 |

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| Harvester reel and dropper | A. C. and R. W. Sriver | 216, 706 | June 17, 1879 | 787 | 225, 226 | 15 | 1003 |
| Harvester reel and rake, Combined | D. L. Emerson | 219, 236 | Sept. 2, 1879 | 206 | 61 | 16 | 439 |
| Harvester reel and rake, Combined | D. L. Emerson | 219, 453 | Sept. 9, 1879 | 462 | 128, 129 | 16 | 479 |
| Harvester, Self-binding | M. A. Keller | 217, 227 | July 8, 1879 | 347 | 103 | 16 | 56 |
| Harvesting-machine | R. Dutton | 212, 134 | Feb. 11, 1879 | 365 | 100 | 15 | 175 |
| Harvesting-machine | R. Dutton and A. Törnquist | 212, 303 | Feb. 18, 1879 | 559 | 157 | 15 | 203 |
| Harvesting-machine | S. Johnston | 216, 960 | July 1, 1879 | 38 | 12 | 16 | 7 |
| Harvesting-machine | W. F. Olin | 211, 862 | Feb. 4, 1879 | 47 | 15 | 15 | 132 |
| Harvesting-machine | W. F. Olin | 219, 871 | Sept. 23, 1879 | 935 | 258 | 16 | 560 |
| Harvesting-machine | H. F. Shaw | 220, 037 | Sept. 30, 1879 | 1133 | 313 | 16 | 595 |
| Harvesting, thrashing, and cleaning machine, Combined. | A. N. Verdery | 223, 195 | Dec. 30, 1879 | 1254 | 355, 356 | 16 | 1223 |
| Hassock and foot-warmer, Combined | J. A. Falsom | 219, 572 | Sept. 16, 1879 | 591 | 165 | 16 | 504 |
| Hat | J. Thomas | 213, 008 | Mar. 4, 1879 | 278 | 77, 78 | 15 | 332 |
| Hat | E. A. Thompson | 218, 086 | July 29, 1879 | 1319 | 379 | 16 | 210 |
| Hat, Adjustable stiff | M. McGlone | 211, 338 | Jan. 14, 1879 | 318 | 94 | 15 | 42 |
| Hat and cap | M. Einstein | 214, 898 | Apr. 29, 1879 | 1383 | 385 | 15 | 681 |
| Hat and cap | E. P. Hoyt | 221, 313 | Nov. 4, 1879 | 193 | 52 | 16 | 839 |
| Hat and cap | A. Rosenblüth | 214, 458 | Apr. 15, 1879 | 862 | 243 | 15 | 600 |
| Hat and cap, Combined | J. Mueller | 220, 167 | Sept. 30, 1879 | 1286 | 353 | 16 | 616 |
| Hat and cap sweat | J. Bigelow | 218, 220 | Aug. 5, 1879 | 128 | 35 | 16 | 238 |
| Hat and cap sweat-band | T. W. Bracher | 217, 576 | July 15, 1879 | 732 | 209 | 16 | 117 |
| Hat and cap sweat-band | T. W. Bracher | 218, 480 | Aug. 12, 1879 | 437 | 122 | 16 | 299 |
| Hat and cap sweat-band | T. W. Bracher | 222, 233 | Dec. 2, 1879 | 138 | 35 | 16 | 1027 |
| Hat and other head-covering | A. Baglin | 218, 915 | Aug. 26, 1879 | 964 | 271 | 16 | 380 |
| Hat and other head-covering | H. A. Whiting | 219, 549 | Sept. 9, 1879 | 555 | 155 | 16 | 491 |
| Hat-band, Ornamental | M. Goldberg | 220, 605 | Oct. 14, 1879 | 461 | 120 | 16 | 705 |
| Hat-bodies, Attaching sweat-leathers to | J. Bigelow | 211, 547 | Jan. 21, 1879 | 549 | 155, 156 | 15 | 73 |
| Hat-bodies faced with fur, Manufacture of wool | J. T. Waring | 218, 202 | Aug. 5, 1879 | 113 | 30 | 16 | 235 |
| Hat-bodies, &c., Machine for felting and hardening | J. G. Meeker | 215, 144 | May 6, 1879 | 192 | 54 | 15 | 725 |
| Hat, bonnet, and other covering | G. Gray | 219, 461 | Sept. 9, 1879 | 470 | 130 | 16 | 480 |
| Hat-box | R. R. Ferry | 212, 673 | Feb. 25, 1879 | 1001 | 278 | 15 | 270 |
| Hat-brims, Curling | R. Eickemeyer | 216, 319 | June 10, 1879 | 352 | 102 | 15 | 936 |
| Hat-felting machine | C. Widmer | 221, 884 | Nov. 18, 1879 | 865 | 242 | 16 | 948 |
| Hat-finishing machine | J. Surerus | 220, 774 | Oct. 21, 1879 | 663 | 176 | 16 | 739 |
| Hat-flange, Stiff | L. L. Smith, F. L. Knable, and H. F. Smith. | 218, 787 | Aug. 19, 1879 | 785 | 223 | 16 | 346 |
| Hat-flanging machine | G. Yule | 219, 561 | Sept. 9, 1879 | 567 | 159 | 16 | 493 |
| Hat-forming machine | R. Eickemeyer | 212, 910 | Mar. 4, 1879 | 160 | 44, 45, 46 | 15 | 317 |
| Hat-forming machines, Web-tender for | R. Eickemeyer | 212, 450 | Feb. 18, 1879 | 740 | 204 | 15 | 237 |
| Hat or cap | A. Meyering | 214, 423 | Apr. 15, 1879 | 830 | 233 | 15 | 595 |
| Hat-pouncing machine | W. Keenan | 223, 144 | Dec. 30, 1879 | 1207 | 341 | 16 | 1217 |
| Hat-pouncing machine | A. L. F. Mitchell | 219, 001 | Aug. 26, 1879 | 1059 | 297 | 16 | 392 |
| Hat-pouncing machine | A. L. F. Mitchell | 221, 594 | Nov. 11, 1879 | 531 | 146 | 16 | 895 |
| Hat-pouncing machine | E. B. Taylor | 220, 889 | Oct. 21, 1879 | 787 | 210 | 16 | 756 |
| Hat-pouncing machine | G. Yule | 219, 560 | Sept. 9, 1879 | 566 | 158 | 16 | 493 |
| Hat-pressing apparatus | A. Solmans | 212, 063 | Feb. 4, 1879 | 279 | 76 | 15 | 160 |
| Hat-pressing machine | G. Yule | 219, 559 | Sept. 9, 1879 | 565 | 138 | 16 | 493 |
| Hat-rack and umbrella-stand, Combined | A. Milne | 214, 834 | Apr. 29, 1879 | 1314 | 367 | 15 | 672 |
| Hat-racks, Fastening device for | J. Wagner | 222, 613 | Dec. 16, 1879 | 591 | 168 | 16 | 1109 |
| Hat-shade | D. C. T. Davis | 218, 498 | Aug. 12, 1879 | 458 | 128 | 16 | 293 |
| Hat-shaving machine | R. Eickemeyer | 217, 079 | July 1, 1879 | 172 | 50 | 16 | 24 |
| Hat shearing and finishing machine | A. L. F. Mitchell | 221, 593 | Nov. 11, 1879 | 530 | 146 | 16 | 895 |
| Hat-sizing machine | E. Beesley | 222, 117 | Nov. 25, 1879 | 1147 | 324 | 16 | 996 |
| Hat sizing or fulling machine | R. Eickemeyer | 217, 783 | July 22, 1879 | 972 | 279 | 16 | 159 |
| Hat-stiffening machine | G. Yule and W. W. Stone | 213, 727 | Mar. 25, 1879 | 1087 | 308 | 15 | 462 |
| Hat stretching and blocking machine | C. S. Coom | 214, 108 | Apr. 8, 1879 | 451 | 128 | 15 | 536 |
| Hat-sweat | H. O. Baker and H. Van Gelder | 220, 744 | Oct. 21, 1879 | 623 | 167 | 16 | 734 |
| Hat-sweat | C. Simis | 223, 177 | Dec. 30, 1879 | 1238 | 350 | 16 | 1221 |
| Hat sweat-band | C. O. Kanouse | 212, 948 | Mar. 4, 1879 | 207 | 59 | 15 | 323 |
| Hat sweat-leather | G. H. Dimond | 217, 683 | July 22, 1879 | 874 | 249 | 16 | 145 |
| Hat sweat-leather | A. B. Waring | 211, 282 | Jan. 7, 1879 | 224 | 65 | 15 | 29 |
| Hat sweat-lining | S. Beatty | 215, 038 | May 6, 1879 | 61 | 18 | 15 | 710 |
| Hat tip-lining | F. G. Hanson | 219, 257 | Sept. 2, 1879 | 233 | 67 | 16 | 441 |
| Hat-ventilator | C. Schuffler | 211, 527 | Jan. 21, 1879 | 528 | 149 | 15 | 70 |
| Hat-ventilator | D. R. Schultz | 212, 752 | Feb. 25, 1879 | 1084 | 301 | 15 | 282 |
| Hat, Wire-brim | L. T. Smith | 213, 846 | Apr. 1, 1879 | 126 | 37 | 15 | 489 |
| Hats and bonnets, Manufacture of felt or cloth | J. Heimann | 215, 275 | May 13, 1879 | 357 | 104 | 15 | 751 |
| Hats and caps, Former for straw and other | J. B. Mowry | 216, 213 | June 3, 1879 | 214 | 64 | 15 | 912 |
| Hats and caps, Machine for producing brims on sweat-bands for. | T. W. Bracher | 220, 570 | Oct. 14, 1879 | 422 | 109 | 16 | 699 |
| Hats, Band-fastener for use in the manufacture of felt. | H. A. House and D. Wheeler | 221, 655 | Nov. 11, 1879 | 589 | 164 | 16 | 903 |
| Hats, Blocking, stretching, and finishing | D. A. House and D. Wheeler | 212, 554 | Feb. 25, 1879 | 881 | 243, 244 | 15 | 254 |
| Hats, caps, and bonnets, Manufacture of | J. Heimann | 217, 284 | July 8, 1879 | 404 | 119 | 16 | 64 |
| Hats, Finishing | D. Wheeler | 218, 465 | Aug. 12, 1879 | 424 | 117 | 16 | 288 |
| Hats, Manufacture of felt | J. Thomas | 215, 411 | May 13, 1879 | 498 | 148 | 15 | 770 |
| Hats, Manufacture of fur | I. Gill | 222, 891 | Dec. 23, 1879 | 907 | ..... | 16 | 1165 |
| Hats of straw, palm-leaf, &c | C. M. Osgood | 213, 240 | Mar. 11, 1879 | 553 | 154 | 15 | 376 |
| Hats or caps, Peak or brim for | O. G. Brady | 222, 448 | Dec. 9, 1879 | 374 | 106 | 16 | 1070 |
| Hats, Stiffening | H. Partrick | 219, 303 | Sept. 2, 1879 | 283 | ..... | 16 | 447 |
| Hats, Stiffening | A. Solmans | 216, 488 | June 10, 1879 | 544 | ..... | 15 | 961 |
| Hats, Stretching and finishing felt | H. A. House and D. Wheeler | 221, 549 | Nov. 11, 1879 | 483 | 132, 133 | 16 | 887 |
| Hats, Ventilating | V. B. Waddell and J. F. Sample | 215, 998 | May 27, 1879 | 1163 | 338 | 15 | 874 |
| Hatch-closer | J. W. Kohl | 222, 285 | Dec. 2, 1879 | 192 | 50 | 16 | 1035 |
| Hatch-cover, Automatic | J. J. Hartman | 219, 720 | Sept. 16, 1879 | 761 | 210 | 16 | 527 |
| Hatchet | J. R. Bailey | 211, 371 | Jan. 14, 1879 | 351 | 102 | 15 | 45 |
| Hatchway | W. H. Kelly | 219, 100 | Sept. 2, 1879 | 48 | 15, 16 | 16 | 418 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Hatchway-door | W. H. Cooke | 216, 154 | June 3, 1879 | 152 | 45 | 15 | 904 |
| Hatchway-door, Automatic | W. A. Holbrook | 219, 474 | Sept. 9, 1879 | 482 | 134 | 16 | 481 |
| Hatchway-door-operating device | G. K. Bancroft | 217, 842 | July 22, 1879 | 1042 | 298 | 16 | 167 |
| Hatchway, Elevator | C. F. Murdock and F. G. Beach | 222, 198 | Dec. 2, 1879 | 92 | 23 | 16 | 1021 |
| Hatchway, Self-closing | J. Steinman and J. Scholl, sr | 218, 836 | Aug. 26, 1879 | 872 | 245 | 16 | 367 |
| Hay and cotton press | E. Beadle | 216, 642 | June 17, 1879 | 719 | 206 | 15 | 994 |
| Hay and cotton press | J. Huffaker | 219, 479 | Sept. 9, 1879 | 486 | 135, 136 | 16 | 482 |
| Hay and straw cutter | W. A. Yeatts | 211, 452 | Jan. 14, 1879 | 442 | 125 | 15 | 67 |
| Hay and straw stacker | P. F. Fleming | 222, 685 | Dec. 16, 1879 | 675 | 194 | 16 | 1121 |
| Hay, &c., Apparatus for loading and unloading | F. A. Kelley | 212, 097 | Feb. 11, 1879 | 321 | 88 | 15 | 169 |
| Hay, &c., Apparatus for stacking | J. Dill | 214, 284 | Apr. 15, 1879 | 664 | 186 | 15 | 574 |
| Hay binder and elevator | P. H. Nichols | 212, 319 | Feb. 18, 1879 | 577 | 161 | 15 | 206 |
| Hay-cap | F. Watkins | 221, 637 | Nov. 11, 1879 | 574 | 159 | 16 | 901 |
| Hay-carrier | W. G. McComas | 219, 966 | Sept. 23, 1879 | 1044 | 290 | 16 | 575 |
| Hay-carrier | L. Y. Myers | 221, 342 | Nov. 4, 1879 | 230 | 63 | 16 | 844 |
| Hay-carrier | H. P. Schneck | 220, 433 | Oct. 7, 1879 | 244 | 66 | 16 | 669 |
| Hay-conveyer | L. A. Greely | 211, 396 | Jan. 14, 1879 | 379 | 108 | 15 | 49 |
| Hay-elevator | J. C. Armstrong | 216, 130 | June 3, 1879 | 129 | 38 | 15 | 901 |
| Hay-elevator | H. Barlow | 212, 427 | Feb. 18, 1879 | 709 | 196 | 15 | 223 |
| Hay-elevator | A. H. Mason | 214, 434 | Apr. 15, 1879 | 838 | 236 | 15 | 596 |
| Hay-elevator | G. Rosecrans | 212, 747 | Feb. 25, 1879 | 1079 | 299 | 15 | 281 |
| Hay-elevator | G. Van Sickle | 211, 358 | Jan. 14, 1879 | 338 | 99 | 15 | 44 |
| Hay elevator and carrier | G. H. Fowler | 213, 559 | Mar. 25, 1879 | 907 | 259 | 15 | 438 |
| Hay elevator and carrier | W. L. Kinsey | 216, 521 | June 17, 1879 | 593 | 168 | 15 | 977 |
| Hay-fork | J. W. Blackhart | 219, 902 | Sept. 23, 1879 | 971 | 269 | 16 | 565 |
| Hay-fork, Horse | J. R. Fitzhugh | 213, 645 | Mar. 25, 1879 | 1001 | 285 | 15 | 451 |
| Hay-fork, Horse | I. W. Heysinger | 213, 986 | Apr. 8, 1879 | 289 | 83, 84 | 15 | 518 |
| Hay-fork, Horse | H. W. Seavey | 216, 225 | June 3, 1879 | 225 | 66 | 15 | 913 |
| Hay-gatherer | H. Grebe | 217, 609 | July 15, 1879 | 771 | 219 | 16 | 122 |
| Hay gathering and cocking machine | G. W. Smith and E. J. S. Davis | 222, 426 | Dec. 9, 1879 | 352 | 100 | 16 | 1067 |
| Hay-loader | W. and B. F. Bader | 221, 269 | Nov. 4, 1879 | 143 | 39 | 16 | 832 |
| Hay-loader | D. C. Jewett | 217, 110 | July 1, 1879 | 207 | 59 | 16 | 29 |
| Hay-loader | C. Pool | 211, 424 | Jan. 14, 1879 | 412 | 117 | 15 | 53 |
| Hay loader and press, Combined | J. A. Shull | 222, 206 | Dec. 2, 1879 | 102 | 25 | 16 | 1022 |
| Hay-loading device | W. P. Leland | 220, 025 | Sept. 30, 1879 | 1114 | 308 | 16 | 592 |
| Hay-loading machine | S. B. Castle | 222, 662 | Dec. 16, 1879 | 656 | 186, 187 | 16 | 1118 |
| Hay pitcher and stacker | S. B. Gilliland and E. Wayland | 222, 583 | Dec. 16, 1879 | 551 | 157 | 16 | 1104 |
| Hay-press | E. E. Fuller | 216, 785 | June 24, 1879 | 896 | 255 | 15 | 1027 |
| Hay-press | T. E. Marable | 214, 828 | Apr. 29, 1879 | 1308 | 365 | 15 | 672 |
| Hay-press | W. H. Watson | 218, 095 | July 29, 1879 | 1329 | 381 | 16 | 212 |
| Hay-rack | J. Boyd | 221, 279 | Nov. 4, 1879 | 152 | 42 | 16 | 834 |
| Hay-rack | C. Graham | 215, 914 | May 27, 1879 | 1085 | 315 | 15 | 863 |
| Hay-rack | J. H. Jackson | 214, 824 | Apr. 29, 1879 | 1305 | 365 | 15 | 671 |
| Hay-rack and fence, Combined | L. Prince | 213, 448 | Mar. 18, 1879 | 779 | 220 | 15 | 414 |
| Hay rake and loader | F. Shedd | 211, 269 | Jan. 7, 1879 | 208 | 60 | 15 | 27 |
| Hay rake and tedder | J. A. Brown | 215, 565 | May 20, 1879 | 689 | 202 | 15 | 804 |
| Hay-rake, Horse | W. S. Archer | 215, 784 | May 27, 1879 | 933 | 274, 275 | 15 | 845 |
| Hay-rake, Horse | S. H. Bushnell | 216, 829 | June 24, 1879 | 949 | 270 | 15 | 1033 |
| Hay-rake, Horse | W. P. and C. E. Clark | 225, 382 | Dec. 9, 1879 | 301 | 83, 84 | 16 | 1060 |
| Hay-rake, Horse | R. Ellwood | 214, 497 | Apr. 22, 1879 | 919 | 259, 260 | 15 | 615 |
| Hay-rake, Horse | A. Fager | 217, 455 | July 15, 1879 | 602 | 172 | 16 | 100 |
| Hay-rake, Horse | S. T. Ferguson | 216, 166 | June 3, 1879 | 168 | 50 | 15 | 906 |
| Hay-rake, Horse | F. Hanson | 217, 369 | July 8, 1879 | 497 | 144 | 16 | 75 |
| Hay-rake, Horse | J. W. Hobson | 219, 943 | Sept. 23, 1879 | 1018 | 283 | 16 | 571 |
| Hay-rake, Horse | J. Hollingsworth | 217, 463 | July 15, 1879 | 609 | 174 | 16 | 101 |
| Hay-rake, Horse | W. C. Kingsnorth | 215, 939 | May 27, 1877 | 1111 | 322 | 15 | 867 |
| Hay-rake, Horse | W. J. Kramer and L. Miller | 215, 635 | May 20, 1879 | 770 | 226 | 15 | 815 |
| Hay-rake, Horse | T. C. Lord | 214, 047 | Apr. 8, 1879 | 368 | 104, 105 | 15 | 528 |
| Hay-rake, Horse | A. W. Mathis | 213, 830 | Apr. 1, 1879 | 108 | 32 | 15 | 486 |
| Hay-rake, Horse | S. R. Nye | 217, 897 | July 29, 1879 | 1115 | 320 | 16 | 184 |
| Hay-rake, Horse | A. Obenchain | 215, 237 | May 13, 1879 | 306 | 90 | 15 | 744 |
| Hay-rake, Horse | S. Ritty | 221, 974 | Nov. 25, 1879 | 992 | 278 | 16 | 974 |
| Hay-rake, Horse | C. Scholz | 214, 713 | Apr. 22, 1879 | 1163 | 327 | 15 | 645 |
| Hay-rake, Horse | D. P. Sharp | 216, 110 | June 3, 1879 | 106 | 31 | 15 | 898 |
| Hay-rake, Horse | W. South | 222, 958 | Dec. 23, 1879 | 984 | 283 | 16 | 1176 |
| Hay-rake, Horse | A. W. Stevenson | 211, 273 | Jan. 7, 1879 | 213 | 62 | 15 | 27 |
| Hay-rake, Horse | J. H. Thomas | 223, 078 | Dec. 30, 1879 | 1131 | 320, 321 | 16 | 1206 |
| Hay-rake machine | M. Holder | 214, 139 | Apr. 8, 1879 | 483 | 138 | 15 | 541 |
| Hay-rake, Revolving | J. H. McCormack | 216, 094 | June 3, 1879 | 93 | 27 | 15 | 896 |
| Hay-rake, Revolving horse | L. S. Edleblute | 217, 595 | July 15, 1879 | 757 | 215 | 16 | 120 |
| Hay ricker and stacker | B. F. Jones | 215, 930 | May 27, 1879 | 1102 | 320 | 15 | 865 |
| Hay, straw, and fodder cutter | G. T. Murray, H. and S. M. Wilson | 216, 486 | June 10, 1879 | 542 | 155 | 15 | 961 |
| Hay-tedder | E. J. Knowlton | 212, 388 | Feb. 18, 1879 | 658 | 184 | 15 | 217 |
| Hay-tedder fork | F. G. Butler | 215, 092 | May 6, 1879 | 121 | 36 | 15 | 718 |
| Hay-unloader | J. Tyler | 223, 082 | Dec. 30, 1879 | 1136 | 322 | 16 | 1206 |
| Head-covering | R. Gray | 219, 462 | Sept. 9, 1879 | 471 | 131 | 16 | 480 |
| Head-dress | V. T. Hull | 221, 069 | Oct. 28, 1879 | 1015 | 270 | 16 | 795 |
| Head-light, Signal | M. Nicholson | 215, 656 | May 20, 1879 | 792 | 232 | 15 | 818 |
| Head-rest | W. B. Taylor | 221, 752 | Nov. 18, 1879 | 709 | 198 | 16 | 928 |
| Head-rest, Adjustable | A. B. Manwarring | 221, 587 | Nov. 11, 1879 | 525 | 144 | 16 | 894 |
| Headers, Apparatus for guiding | J. Steves | 222, 210 | Dec. 2, 1879 | 108 | 26 | 16 | 1023 |
| Heat and moisture regulator for factories, Electrical | J. M. Bradford | 212, 653 | Feb. 25, 1879 | 986 | 273 | 15 | 268 |
| Heat and ventilation, Producing | M. A. Shepard | 213, 138 | Mar. 11, 1879 | 446 | 124 | 15 | 362 |
| Heat-regulator | E. S. Gary | 214, 122 | Apr. 8, 1879 | 467 | 133 | 15 | 529 |
| Heat-regulator for furnaces, Automatic | E. L. Dodge | 218, 718 | Aug. 19, 1879 | 711 | 202 | 16 | 336 |
| Heat-transmitting apparatus | G. R. Prowse | 221, 472 | Nov. 11, 1879 | 390 | 107 | 16 | 874 |

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|---|---|---|---|---|---|---|---|
| Heater: | | | | | | | |
| *See* Air-heater. Mash-heater. | | | | | | | |
| Car-heater. Sad-iron heater. | | | | | | | |
| Curling-iron heater. Soldering-iron heater. | | | | | | | |
| Dish-heater. Steam-heater. | | | | | | | |
| Feed-water heater. Vehicle-heater. | | | | | | | |
| Fire-place heater. Water-heater. | | | | | | | |
| Hot-air heater. Wheat-heater. | | | | | | | |
| Lamp-heater. | | | | | | | |
| Heater for dwellings | L. W. Cooley | 220,346 | Oct. 7, 1879 | 151 | 41 | 16 | 655 |
| Heating and cooking apparatus | A. V. M. Sprague | 217,648 | July 15, 1879 | 811 | 232 | 16 | 128 |
| Heating and cooking furnace, Gas | H. Q. Hawley | 221,169 | Nov. 4, 1879 | 35 | 10 | 16 | 817 |
| Heating apparatus | J. J. Brown | 218,226 | Aug. 5, 1879 | 137 | 37, 38 | 16 | 239 |
| Heating apparatus | W. Duryea | 214,376 | Apr. 15, 1879 | 780 | 220 | 15 | 588 |
| Heating apparatus | G. Kelly | 211,332 | Jan. 14, 1879 | 311 | 92 | 15 | 41 |
| Heating apparatus, Hot-water | C. W. Rice | 219,978 | Sept. 23, 1879 | 1056 | 293 | 16 | 576 |
| Heating apparatus, Steam | A. Annan | 211,879 | Feb. 4, 1879 | 66 | 19 | 15 | 134 |
| Heating buildings by compressed air, Apparatus for. | T. S. Brooks | 214,097 | Apr. 8, 1879 | 440 | 125 | 15 | 535 |
| Heating, cooking, and drying apparatus | J. K. Boswell | 211,693 | Jan. 28, 1879 | 735 | 205 | 15 | 101 |
| Heating-furnace | J. H. Merrill | 212,565 | Mar. 4, 1879 | 228 | 63 | 15 | 326 |
| Heating-pot | H. J. Nelson | 213,926 | Apr. 1, 1879 | 208 | 61 | 15 | 499 |
| Heating-stand | L. Hellman | 215,356 | May 13, 1879 | 443 | 132 | 15 | 762 |
| Heddle and frame, Wire | D. C. Brown | 218,809 | Aug. 26, 1879 | 838 | 235 | 16 | 363 |
| Hedge and pruning shears, Combined | J. N. Harrison and F. B. Lewis | 217,531 | July 15, 1879 | 682 | 194 | 16 | 111 |
| Hedge-trimmer | A. G. Rogers and H. M. Freeman | 216,894 | June 24, 1879 | 1016 | 289 | 15 | 1042 |
| Hedge-trimmer | H. Unkrich | 216,915 | June 24, 1879 | 1046 | 296 | 15 | 1045 |
| Hedge-trimming machine | T. V. Nichols | 214,689 | Apr. 22, 1879 | 1135 | 319 | 15 | 642 |
| Heel-breasting machine | E. May | 216,623 | June 17, 1879 | 703 | 201 | 15 | 992 |
| Heel-burnishing machine | T. L. Keif | 222,409 | Dec. 9, 1879 | 329 | 93 | 16 | 1064 |
| Heel-cutting die | H. Turner | 213,013 | Mar. 4, 1879 | 283 | 79 | 15 | 333 |
| Heel-lifts and cutter for cutting the same, Method of producing. | G. James | 219,583 | Sept. 16, 1879 | 601 | 168 | 16 | 505 |
| Heel-lifts, Machine for cutting | C. H. Straffin | 214,533 | Apr. 22, 1879 | 973 | 273 | 15 | 621 |
| Heel-plate | T. T. McNish | 215,532 | May 20, 1879 | 657 | 190 | 15 | 800 |
| Heel plate or guard | T. E. Lewis | 217,624 | July 15, 1879 | 787 | 224 | 16 | 124 |
| Heel-protector | G. Z. Whitney | 222,759 | Dec. 16, 1879 | 746 | 214 | 16 | 1131 |
| Heel-rand slab | L. Darozir and L. Dion | 220,223 | Oct. 7, 1879 | 14 | 4 | 16 | 637 |
| Heel, Revolving | G. B. Massey and E. E. Spencer | 220,629 | Oct. 14, 1879 | 485 | 127 | 16 | 708 |
| Heel-shave | C. H. Brown | 212,654 | Feb. 25, 1879 | 987 | 274 | 15 | 268 |
| Heel-shave | H. A. Lothrop | 213,827 | Apr. 1, 1879 | 104 | 31 | 15 | 486 |
| Heel-stiffener | H. G. Farr | 218,006 | July 29, 1879 | 1233 | 353 | 16 | 199 |
| Heel-stiffeners, Machine for cutting leather-board for. | W. N. Sprague | 219,601 | Sept. 16, 1879 | 621 | 173 | 16 | 508 |
| Heel-stiffeners, Machine for manufacturing | A. H. Carvill | 222,661 | Dec. 16, 1879 | 648 | 186 | 16 | 1118 |
| Heel-trimming machine | J. H. Busell | 213,806 | Apr. 1, 1879 | 80 | 26 | 15 | 483 |
| Heel-trimming machine | J. W. Dodge | 220,966 | Oct. 28, 1879 | 895 | 239 | 16 | 779 |
| Heel-trimming machine | C. W. Glidden | 217,866 | July 29, 1879 | 1080 | 310, 311 | 16 | 179 |
| Heel-trimming machine | C. W. Glidden | 217,867 | July 29, 1879 | 1082 | 311 | 16 | 179 |
| Heel-trimming machine | C. W. Glidden | 221,676 | Nov. 18, 1879 | 623 | 175 | 16 | 916 |
| Heel-trimming machine | H. A. Henderson and H. C. Paine | 220,920 | Oct. 28, 1879 | 832 | 223 | 16 | 779 |
| Heliotrope | J. W. Garner | 216,565 | June 17, 1879 | 637 | 180, 181 | 15 | 982 |
| Hemmer | C. Marsh | 214,829 | Apr. 29, 1879 | 1309 | 366 | 15 | 672 |
| Hemp, flax, &c., Machine for dressing | T. Tebow | 215,692 | May 20, 1879 | 829 | 242 | 15 | 823 |
| Hermetic closing of receptacles | T. G. F. Dolby | 221,451 | Nov. 11, 1879 | 361 | 99 | 16 | 871 |
| Hide-stretching machine | W. Coupe | 213,323 | Mar. 18, 1879 | 656 | 185 | 15 | 398 |
| Hides and skins, Instrument for planing | H. A. House | 212,555 | Feb. 25, 1879 | 882 | 244 | 15 | 254 |
| Hides, Composition for removing hair and grease from. | C. J. Tinnerholm | 211,532 | Jan. 21, 1879 | 533 | ..... | 15 | 71 |
| Hides in tan-vats, Raising and transferring | J. A. Smith | 219,537 | Sept. 9, 1879 | 545 | 153 | 16 | 490 |
| Hides, Machine for ascertaining the area and weight of. | D. T. Winter | 215,853 | May 27, 1879 | 1020 | 297, 298 | 15 | 855 |
| Hides, Machine for treating raw | A. C. Krueger | 217,803 | July 22, 1879 | 996 | 285 | 16 | 162 |
| Hides, Machine for stocking, unhairing, and softening. | R. Middleton | 221,246 | Nov. 4, 1879 | 117 | 32 | 16 | 828 |
| High-chair and carriage | F. Chichester | 217,341 | July 8, 1879 | 467 | 136 | 16 | 71 |
| Hinge | T. M. Foster | 223,127 | Dec. 30, 1879 | 1187 | 336 | 16 | 1214 |
| Hinge | W. H. Hart | 216,399 | June 10, 1879 | 451 | 128, 129 | 15 | 949 |
| Hinge | W. H. Hart | 218,436 | Aug. 12, 1879 | 381 | 105 | 16 | 282 |
| Hinge | P. Hurm | 221,963 | Nov. 25, 1879 | 981 | 275 | 16 | 973 |
| Hinge | H. C. Lewis | 220,295 | Oct. 7, 1879 | 96 | 25 | 16 | 648 |
| Hinge | J. W. Mergeneier | 212,149 | Feb. 11, 1879 | 381 | 104 | 15 | 177 |
| Hinge | C. F. Wilson | 219,552 | Sept. 9, 1879 | 558 | 156 | 16 | 492 |
| Hinge, Adjustable roller | B. T. Murphy | 222,722 | Dec. 16, 1879 | 710 | 204 | 16 | 1127 |
| Hinge and roller, Gate | J. B. Bolinger | 217,674 | July 22, 1879 | 863 | 246 | 16 | 144 |
| Hinge, Awning-blind | E. P. Pierce | 218,133 | Aug. 5, 1879 | 30 | 9 | 16 | 225 |
| Hinge, Blind | B. D. Washburn | 214,214 | Apr. 8, 1879 | 562 | 159 | 15 | 551 |
| Hinge for double doors | J. Decombe | 220,965 | Oct. 28, 1879 | 894 | 239 | 16 | 779 |
| Hinge for telephone boxes or cases | T. A. Watson | 221,434 | Nov. 11, 1879 | 345 | 95 | 16 | 869 |
| Hinge, Gate | T. Crane | 218,494 | Aug. 12, 1879 | 453 | 126 | 16 | 292 |
| Hinge, Gate | J. A. Grove | 221,301 | Nov. 4, 1879 | 176 | 48 | 16 | 837 |
| Hinge-joint for school desks and seats | C. M. Hughes | 219,865 | Sept. 23, 1879 | 929 | 257 | 16 | 559 |
| Hinge, Lock | F. Musser | 220,303 | Oct. 7, 1879 | 106 | 28 | 16 | 649 |
| Hinge, Sliding and swinging gate | A. H. Huckaba | 222,786 | Dec. 23, 1879 | 789 | 227 | 16 | 1148 |
| Hinge, Spiral-spring | I. Buckman | 217,054 | July 1, 1879 | 142 | 42 | 16 | 21 |
| Hinge, Spring | W. G. Barry | 216,777 | June 24, 1879 | 888 | 252 | 15 | 1025 |
| Hinge, Spring | L. Bommer | 217,051 | July 1, 1879 | 138 | 41 | 16 | 20 |
| Hinge, Spring | W. Gilfillan | 221,168 | Nov. 4, 1879 | 34 | 9 | 16 | 817 |
| Hinge, Spring | G. M. Jewett | 221,964 | Nov. 25, 1879 | 982 | 275 | 16 | 973 |
| Hinge, Spring | T. Rowe | 219,653 | Sept. 16, 1879 | 690 | 191 | 16 | 517 |
| Hinge, Spring | J. Spruce | 215,253 | May 13, 1879 | 326 | 96 | 15 | 747 |
| Hinge, Stop | J. M. Dodge | 221,290 | Nov. 4, 1879 | 163 | 45 | 16 | 835 |

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|---|---|---|---|---|---|---|---|
| Hinges, Gravity-catch for | B. G. Fitzhugh | 211,900 | Feb. 4, 1879 | 87 | 25 | 15 | 187 |
| Hinges, Tool for setting | J. D. Shannon | 220,437 | Oct. 7, 1879 | 250 | 67 | 16 | 669 |
| Hitch-strap | C. A. A. T. de St. Aubin | 219,030 | Aug. 26, 1879 | 1083 | 305 | 16 | 396 |
| Hitching-bar | A. L. Andrews | 213,084 | Mar. 11, 1879 | 377 | 106 | 15 | 354 |
| Hitching device for animals | C. E. Haynes | 217,103 | July 1, 1879 | 200 | 57 | 16 | 28 |
| Hitching device, Safety | J. A. Fife | 220,820 | Oct. 21, 1879 | 714 | 189 | 16 | 745 |
| Hitching-hook | R. Hayden | 217,942 | July 29, 1879 | 1166 | 344 | 16 | 191 |
| Hitching-post | E. S. Elmer | 217,004 | July 1, 1879 | 81 | 24 | 16 | 13 |
| Hobby-horse | C. Brasch | 222,861 | Dec. 23, 1879 | 878 | 252 | 16 | 1161 |
| Hobby-horse | I. A. Stowe | 213,708 | Mar. 25, 1879 | 1064 | 303 | 15 | 459 |
| Hoe | G. W. Cloyd | 222,015 | Nov. 25, 1879 | 1030 | 288 | 16 | 979 |
| Hoe | J. W. Ells | 211,502 | Jan. 21, 1879 | 496 | 141 | 15 | 67 |
| Hoe | J. Gilmer | 215,735 | May 27, 1879 | 883 | 258 | 15 | 838 |
| Hoe | T. B. Lockwood | 221,242 | Nov. 4, 1879 | 115 | 30 | 16 | 828 |
| Hoe | N. W. Mills | 216,210 | June 3, 1879 | 210 | 63 | 15 | 911 |
| Hoe | A. J. Stone | 215,977 | May 6, 1879 | 105 | 32 | 15 | 716 |
| Hoe and cultivator, Combined horse | B. B. Small | 222,087 | Nov. 25, 1879 | 1111 | 313 | 16 | 991 |
| Hoe, Horse | M. Chandler | 211,701 | Jan. 28, 1879 | 744 | 208 | 15 | 102 |
| Hoe, Plantation | S. N. Gragg | 222,185 | Dec. 2, 1879 | 80 | 20 | 16 | 1019 |
| Hoe, Scuffle | T. V. Munson | 213,584 | Mar. 25, 1879 | 934 | 265 | 15 | 441 |
| Hoe tooth, Horse or hand | D. W. Hughes | 222,500 | Dec. 9, 1879 | 441 | 126 | 16 | 1079 |
| Hoes, Device for manufacturing | A. Schwehr | 216,224 | June 3, 1879 | 224 | 66 | 15 | 913 |
| Hoes, Manufacture of | E. L. Keeler | 212,233 | Feb. 11, 1879 | 472 | 130 | 15 | 189 |
| Hoes, Manufacture of | A. Reese | 219,765 | Sept. 16, 1879 | 805 | 222 | 16 | 533 |
| Hoes, rakes, &c., Detachable handle for | J. J. Howell and O. H. Wienges | 220,618 | Oct. 14, 1879 | 473 | 124 | 16 | 706 |
| Hog-catcher | S. A. Wellman | 222,850 | Dec. 23, 1879 | 865 | 249 | 16 | 1158 |
| Hog-cholera compound | C. Brown | 217,772 | July 22, 1879 | 961 | ..... | 16 | 157 |
| Hog-cholera compound | W. G. Laffin | 221,832 | Nov. 18, 1879 | 811 | ..... | 16 | 940 |
| Hog-cholera compound | E. Twomley | 217,029 | July 1, 1879 | 112 | ..... | 16 | 17 |
| Hog-cholera, Medical compound for | W. A. Denton | 221,039 | Oct. 28, 1879 | 987 | ..... | 16 | 791 |
| Hog-holder | J. R. Wilson and W. M. Baker | 216,482 | June 10, 1879 | 539 | 154 | 15 | 961 |
| Hog ring and ringing implement | A. St. Mary | 216,468 | June 10, 1879 | 525 | 150 | 15 | 959 |
| Hog-ringing implement | J. H. Brown | 213,618 | Mar. 25, 1879 | 973 | 275 | 15 | 446 |
| Hog-scalder | D. F. Coffman | 221,525 | Nov. 11, 1879 | 457 | 125 | 16 | 883 |
| Hog-scraping machine | R. C. Tompkins | 214,731 | Apr. 22, 1879 | 1183 | 333 | 15 | 648 |
| Hog-singeing apparatus | T. L. Boyd | 222,654 | Dec. 16, 1879 | 640 | 183 | 16 | 1116 |
| Hog-singeing furnace | T. L. Boyd | 222,653 | Dec. 16, 1879 | 639 | 183 | 16 | 1116 |
| Hog-trap | P. Drais | 211,717 | Jan. 28, 1879 | 759 | 213 | 15 | 104 |
| Hog-trap | R. D. Loudon | 212,807 | Mar. 4, 1879 | 31 | 10 | 15 | 301 |
| Hog-trap | J. and G. L. Thatcher | 211,434 | Jan. 14, 1879 | 422 | 120 | 15 | 54 |
| Hogs, Device for forming and inserting rings in the noses of. | O. A. Essig | 217,082 | July 1, 1879 | 178 | 51 | 16 | 25 |
| Hoisting and elevating apparatus | E. S. Cunningham | 223,033 | Dec. 30, 1879 | 1074 | 307 | 16 | 1199 |
| Hoisting and transferring heavy weights, Machine for. | B. Coakley | 215,209 | May 13, 1879 | 279 | 81 | 15 | 740 |
| Hoisting apparatus | N. B. Cushing | 219,803 | Sept. 23, 1879 | 871 | 240 | 16 | 551 |
| Hoisting apparatus | G. Sanford | 212,989 | Mar. 4, 1879 | 256 | 70 | 15 | 329 |
| Hoisting apparatus and fire-escape | F. and M. Meyer and E. M. Starr | 220,031 | Sept. 30, 1879 | 1121 | 310 | 16 | 593 |
| Hoisting-bucket | F. H. C. Mey | 212,317 | Feb. 18, 1879 | 575 | 161 | 15 | 206 |
| Hoisting device | D. Abrey | 216,815 | June 24, 1879 | 930 | 265 | 15 | 1031 |
| Hoisting-drum and clutch apparatus | H. Whiteley | 213,366 | Mar. 18, 1879 | 703 | 196 | 15 | 404 |
| Hoisting-drum and shaft for windlasses, &c | T. A. Weston | 217,031 | July 1, 1879 | 114 | 33 | 16 | 17 |
| Hoisting-drums, &c., Friction brake and clutch for | T. A. Weston | 212,338 | Feb. 18, 1879 | 601 | 168, 169 | 15 | 209 |
| Hoisting-jack | A. Gorrell | 214,249 | Apr. 15, 1879 | 622 | 176 | 15 | 568 |
| Hoisting-machine | T. N. Davey | 215,102 | May 6, 1879 | 132 | 39 | 15 | 719 |
| Hoisting-machine | T. N. Davey | 222,675 | Dec. 16, 1879 | 665 | 190 | 16 | 1120 |
| Hoisting-machine | D. B. Clem | 214,102 | Apr. 8, 1879 | 446 | 126 | 15 | 536 |
| Hoisting-machine | J. Fensom | 217,600 | July 15, 1879 | 762 | 217 | 16 | 121 |
| Hoisting-machine | T. A. Weston | 212,339 | Feb. 18, 1879 | 602 | 169, 170 | 15 | 209 |
| Hoisting-machine, Endless-chain | T. A. Weston | 216,298 | June 10, 1879 | 329 | 97 | 15 | 933 |
| Hoisting-register | H. C. Behr | 211,883 | Feb. 4, 1879 | 69 | 20 | 15 | 135 |
| Hoisting-rope | C. W. Hunt | 214,148 | Apr. 8, 1879 | 492 | 140 | 15 | 542 |
| Holdback, Vehicle | R. T. Barton | 215,714 | May 27, 1879 | 861 | 252 | 15 | 836 |
| Holdback, Vehicle | H. E. Hill | 215,359 | May 13, 1879 | 445 | 133 | 15 | 762 |
| Holdback, Vehicle | H. F. Morse | 215,150 | May 6, 1879 | 198 | 56 | 15 | 726 |
| Holdback, Vehicle | T. W. and H. K. Porter | 216,756 | June 24, 1879 | 865 | 245 | 15 | 1022 |
| Holder: | | | | | | | |
| *See* Bag-holder. | | | | | | | |
| Bird-cage food-holder. | | | | | | | |
| Blackboard-holder. | | | | | | | |
| Blacking-box holder. | | | | | | | |
| Belt-holder. | | | | | | | |
| Book-holder. | | | | | | | |
| Broom-holder. | | | | | | | |
| Broom-stock holder. | | | | | | | |
| Burr-holder. | | | | | | | |
| Candle-holder. | | | | | | | |
| Carbine-holder. | | | | | | | |
| Card or ticket holder. | | | | | | | |
| Cartridge-holder. | | | | | | | |
| Chimney-holder. | | | | | | | |
| Cigar and cigarette holder. | | | | | | | |
| Clothes-line holder. | | | | | | | |
| Coin-holder. | | | | | | | |
| Copy-holder. | | | | | | | |
| Cork-holder. | | | | | | | |
| Crayon-holder. | | | | | | | |
| Cuff-holder. | | | | | | | |
| Door-holder. | | | | | | | |
| Ear-holder. | | | | | | | |
| Egg-holder. | | | | | | | |
| Faucet-holder. | | | | | | | |
| File-holder. | | | | | | | |
| Flower-pot holder. | | | | | | | |
| Globe-holder. | | | | | | | |
| Globe and shade holder. | | | | | | | |
| Grindstone tool-holder. | | | | | | | |
| Hoof-moistener holder. | | | | | | | |
| Joint-holder. | | | | | | | |
| Label-holder. | | | | | | | |
| Lamp-holder. | | | | | | | |
| Lamp-reflector holder. | | | | | | | |
| Lamp-shade holder. | | | | | | | |
| Lead and crayon holder. | | | | | | | |
| Linch-pin holder. | | | | | | | |
| Lime-holder. | | | | | | | |
| Mucilage-holder. | | | | | | | |
| Music-holder. | | | | | | | |
| Napkin-holder. | | | | | | | |
| Paper-holder. | | | | | | | |
| Pen-holder. | | | | | | | |
| Pencil-holder. | | | | | | | |
| Pillow-sham holder. | | | | | | | |
| Plate-holder. | | | | | | | |
| Plow-colter holder. | | | | | | | |
| Rein-holder. | | | | | | | |
| Rein and whip holder. | | | | | | | |
| Ribbon-holder. | | | | | | | |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Holder—Continued. | | | | | | | |
| Sad-iron holder. Stair-rod holder. | | | | | | | |
| Sash-holder. Stamp-holder. | | | | | | | |
| Shoe-holder. Tidy-holder. | | | | | | | |
| Sickle, &c., holder. Tool-holder. | | | | | | | |
| Sign-holder. Twine-holder. | | | | | | | |
| Spinning-ring holder. Umbrella-holder. | | | | | | | |
| Spool-holder. Whetstone-holder. | | | | | | | |
| Honey-box for bee-hives | C. H. Connolly | 221,284 | Nov. 4,1879 | 158 | 43 | 16 | 834 |
| Honey-box for bee-hives | J. M. and H. B. Parker | 212,047 | Feb. 4,1879 | 258 | 70 | 15 | 158 |
| Honey-comb base, Artificial | J. Y. Detwiler | 215,336 | May 13,1879 | 427 | 127 | 15 | 760 |
| Honey-comb frame | C. Eggelston and T. W. Reed | 213,638 | Mar. 25,1879 | 993 | 283 | 15 | 450 |
| Honey-extractor, Centrifugal | G. W. Williams | 220,454 | Oct. 7,1879 | 269 | 72 | 16 | 672 |
| Honey-knife | O. J. Hetherington and T. F. Bingham. | 215,616 | May 20,1879 | 754 | 220 | 15 | 813 |
| Hood and cloak, Combined | B. Frankl | 219,243 | Sept. 2,1879 | 217 | 63 | 16 | 439 |
| Hoof-expander | C. H. Shepard | 213,592 | Mar. 25,1879 | 942 | 268 | 15 | 443 |
| Hoof-moistener holder | S. Perry | 211,639 | Jan. 28,1879 | 677 | 190 | 15 | 93 |
| Hoof-paring machine, Horse | G. W. Schaefer | 217,642 | July 15,1879 | 806 | 230 | 16 | 127 |
| Hook: | | | | | | | |
| *See* Animal-clamping hook. Hitching-hook. | | | | | | | |
| Lacing-hook. | | | | | | | |
| Bait-hook. Ladder-hook. | | | | | | | |
| Breast-strap hook. Pad-loop hook. | | | | | | | |
| Button-hook. Rein-hook. | | | | | | | |
| Cant-hook. Rope-clamping hook. | | | | | | | |
| Chain-hook. Saddle-hook. | | | | | | | |
| Chandelier-hook. Shutter-hook. | | | | | | | |
| Check-hook. Snap-hook. | | | | | | | |
| Clothes-line hook. Tackle-hook. | | | | | | | |
| Coat and hat hook. Tobacco-hook. | | | | | | | |
| Draft-hook. Trolling-hook. | | | | | | | |
| Fence-hook. Wardrobe-hook. | | | | | | | |
| Grain-binder knotting-hook. Whiffletree-hook. | | | | | | | |
| Hook-bending device | H. S. Haskins and J. D. Landram. | 220,074 | Sept. 30,1879 | 1182 | 325 | 16 | 602 |
| Hook for suspending meat | S. Mason | 214,162 | Apr. 8,1879 | 505 | 143 | 15 | 544 |
| Hoop: | | | | | | | |
| *See* Barrel-hoop. Tank-hoop. | | | | | | | |
| Cheese-hoop. Trundle-hoop. | | | | | | | |
| Oil-press hoop. Truss-hoop. | | | | | | | |
| Rolling-hoop. | | | | | | | |
| Hoop | M. E. Hubbard | 212,701 | Feb. 25,1879 | 1029 | 285 | 15 | 274 |
| Hoop | J. Naylor, jr. | 222,525 | Dec. 9,1879 | 467 | 133 | 16 | 1081 |
| Hoop dressing and compressing machine | J. B. Dougherty and J. Naylor, jr. | 211,716 | Jan. 28,1879 | 758 | 213 | 15 | 104 |
| Hoop-iron, Machine for bundling | W. Stubblebine | 219,540 | Sept. 9,1879 | 547 | 153 | 16 | 499 |
| Hoop-lapping machine | M. A. Culver, W. A. Jones, and M. C. Briggs. | 220,131 | Sept. 30,1879 | 1247 | 343 | 16 | 611 |
| Hoop-machine | R. H. Nogar | 221,344 | Nov. 4,1879 | 233 | 63 | 16 | 844 |
| Hoop machine, Barrel | J. B. Dougherty | 211,715 | Jan. 28,1879 | 755 | 212 | 15 | 104 |
| Hoop planing and pointing machine | J. Dobbins | 215,512 | May 20,1879 | 633 | 184, 185 | 15 | 797 |
| Hoop sawing and finishing machine | J. Michels | 222,297 | Dec. 2,1879 | 202 | 53 | 16 | 1037 |
| Hoop-shaving machine | A. J. Philpott and G. W. Horton. | 216,216 | June 3,1879 | 217 | 64 | 15 | 912 |
| Hoops, Machine for cutting locks in | P. D. Pike | 222,945 | Dec. 23,1879 | 972 | 279 | 16 | 1174 |
| Hop-culture | S. Cummings | 211,295 | Jan. 14,1879 | 255 | 75 | 15 | 33 |
| Hop-drying kiln | L. V. Risley | 220,989 | Oct. 28,1879 | 925 | 247 | 16 | 783 |
| Hop-poles, Machine for pulling | B. G. Chapman | 215,720 | May 27,1879 | 869 | 254 | 15 | 836 |
| Hop-press | J. E. McCabe | 213,123 | Mar. 11,1879 | 426 | 117 | 15 | 359 |
| Hops and malt extracts, Process and apparatus for treating. | H. Clausen, G. W. Wundram, and G. C. Clausen. | 218,231 | Aug. 5,1879 | 141 | 39 | 16 | 239 |
| Horn-cutting machine | G. M. Cruickshank | 222,346 | Dec. 9,1879 | 265 | 73 | 16 | 1055 |
| Horse and mule shoes, Machine for making | J. A. Burden | 216,828 | June 24,1879 | 948 | 269, 270 | 15 | 1033 |
| Horse-bit | J. Stanley | 213,258 | Mar. 11,1879 | 572 | 159 | 15 | 378 |
| Horse-blinder | L. R. Armstrong | 213,800 | Apr. 1,1879 | 76 | 24 | 15 | 482 |
| Horse-boot | J. C. Burroughs | 220,217 | Oct. 7,1879 | 6 | 2 | 16 | 636 |
| Horse-boot | T. T. Furlong | 212,595 | Feb. 25,1879 | 928 | 257 | 15 | 261 |
| Horse-boot | A. Randall | 222,796 | Dec. 23,1879 | 799 | 230 | 16 | 1150 |
| Horse-boot and weight, Combined | J. H. Fenton | 211,897 | Feb. 4,1879 | 85 | 25 | 15 | 137 |
| Horse-clothing | J. C. Simpson | 215,983 | May 27,1879 | 1150 | 334 | 15 | 872 |
| Horse-creeper | J. Forsyth | 220,597 | Oct. 14,1879 | 454 | 118 | 16 | 703 |
| Horse-detacher | A. Buckley | 219,145 | Sept. 2,1879 | 97 | 29 | 16 | 425 |
| Horse-detacher | J. Carr | 215,879 | May 27,1879 | 1047 | 305 | 15 | 859 |
| Horse-detacher | J. P. Crutcher | 219,448 | Sept. 9,1879 | 455 | 127 | 16 | 478 |
| Horse-detacher | F. M. Day | 215,211 | May 13,1879 | 281 | 82 | 15 | 741 |
| Horse-detacher | A. K. Diefenbach | 212,666 | Feb. 25,1879 | 997 | 277 | 15 | 270 |
| Horse-detacher | M. R. and J. W. Hull | 217,944 | July 29,1879 | 1168 | 334 | 16 | 191 |
| Horse-detacher | W. R. Kitchen | 220,389 | Oct. 7,1879 | 201 | 54 | 16 | 662 |
| Horse-detacher | R. H. Oakes | 215,961 | May 27,1879 | 1133 | 328 | 15 | 870 |
| Horse-detacher | G. F. Outten | 219,648 | Sept. 16,1879 | 685 | 190 | 16 | 516 |
| Horse-detacher | W. H. Petree | 215,965 | May 27,1879 | 1136 | 330 | 15 | 870 |
| Horse-detacher | E. M. Shirley | 215,249 | May 13,1879 | 321 | 94 | 15 | 746 |
| Horse-detacher | C. M. Slyh and B. E. Carpenter | 215,685 | May 20,1879 | 823 | 240 | 15 | 822 |
| Horse-detacher and brake, Combined | A. O. Kaplan and A. Illowy | 216,962 | July 1,1879 | 40 | 13 | 16 | 8 |
| Horse-detaching apparatus | A. Amrhein | 221,012 | Oct. 28,1879 | 951 | 254 | 16 | 786 |
| Horse-detaching apparatus | G. P. Jewett | 213,574 | Mar. 25,1879 | 923 | 263 | 15 | 440 |
| Horse-detaching device | F. B. Hewitt | 211,470 | Jan. 21,1879 | 465 | 131 | 15 | 62 |
| Horse-detaching device | E. Stevens | 218,591 | Aug. 12,1879 | 556 | 156 | 16 | 306 |
| Horse-hampering pad | W. E. Washburn | 213,265 | Mar. 11,1879 | 580 | 161 | 15 | 379 |
| Horse-hitching device | J. A. Field | 214,245 | Apr. 15,1879 | 618 | 175 | 15 | 568 |
| Horse-hitching device | I. W. Little | 214,928 | Apr. 29,1879 | 1414 | 392 | 15 | 685 |
| Horse-litter | C. V. Petteys | 220,865 | Oct. 21,1879 | 757 | 202 | 16 | 752 |
| Horse-power | A. P. Benjamin | 217,047 | July 1,1879 | 134 | 40 | 16 | 20 |
| Horse-power | P. K. Dederick | 213,742 | Apr. 1,1879 | 13 | 5 | 15 | 474 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazetto. Vol. | Official Gazetto. Page. |
|---|---|---|---|---|---|---|---|
| Horse-power | P. K. Dederick | 215,213 | May 13,1879 | 282 | 83 | 15 | 741 |
| Horse-power | P. K. Dederick | 215,214 | May 13,1879 | 283 | 83 | 15 | 741 |
| Horse-power | J. H. Elward | 215,444 | May 20,1879 | 552 | 162 | 15 | 786 |
| Horse-power | H. Flynn | 219,706 | Sept. 16,1879 | 748 | 207 | 16 | 525 |
| Horse-power | D. Hess | 214,564 | Apr. 22,1879 | 1006 | 283 | 15 | 625 |
| Horse-power | R. S. Legett | 212,854 | Mar. 4,1879 | 84 | 24 | 15 | 309 |
| Horse-power | L. D. Le Nord | 219,588 | Sept. 16,1879 | 607 | 170 | 16 | 506 |
| Horse-power | P. C. McCune | 215,383 | May 13,1879 | 467 | 140 | 15 | 766 |
| Horse-power | W. W. Smith and J. C. Randall | 219,315 | Sept. 2,1879 | 296 | 83, 84 | 16 | 449 |
| Horse-power | J. M. Toland | 211,117 | Jan. 7,1879 | 45 | 14 | 15 | 6 |
| Horse-power | E. Wade and W. McAulay | 223,197 | Dec. 30,1879 | 1256 | 256 | 16 | 1224 |
| Horse-power, Direct-acting | L. Herbert and W. V. Henry | 216,089 | June 3,1879 | 89 | 26 | 15 | 896 |
| Horse-power for operating pumps | H. M. Cox | 218,938 | Aug. 26,1879 | 987 | 277 | 16 | 384 |
| Horse-power jack | A. Wissler | 221,204 | Nov. 4,1879 | 69 | 18 | 16 | 821 |
| Horse-power machine | J. L. Moore | 221,416 | Nov. 11,1879 | 325 | 89 | 16 | 866 |
| Horse-power tread | H. Smith | 212,993 | Mar. 4,1879 | 259 | 71, 72 | 15 | 330 |
| Horse-rake | T. Libbey | 217,951 | July 29,1879 | 1174 | 336 | 16 | 192 |
| Horse-rake | W. T. Logan | 220,296 | Oct. 7,1879 | 97 | 26 | 16 | 648 |
| Horse-rake | C. R. Patterson | 215,068 | May 6,1879 | 93 | 28 | 15 | 714 |
| Horse-rake | D. P. Sharp | 223,012 | Dec. 30,1879 | 1953 | 302 | 16 | 1196 |
| Horse-rake | G. M. Titus | 216,239 | June 3,1879 | 237 | 71 | 15 | 915 |
| Horse-rake | G. R. Williams | 222,762 | Dec. 16,1879 | 749 | 215 | 16 | 1132 |
| Horse-rake, Revolving | A. Abbey and G. Brammar | 211,680 | Jan. 28,1879 | 720 | 201 | 15 | 99 |
| Horse-rakes and tedders, Spring-teeth for | A. Gale | 220,917 | Oct. 28,1879 | 828 | 222 | 16 | 770 |
| Horse-tail protector | J. Briggle | 212,836 | Mar. 4,1879 | 65 | 19 | 15 | 306 |
| Horse toe-weight | G. C. Clausen | 212,440 | Feb. 18,1879 | 723 | 209 | 15 | 225 |
| Horse toe-weight | J. Everett | 217,454 | July 15,1879 | 601 | 172 | 16 | 100 |
| Horse toe-weight | J. H. Fenton | 211,840 | Feb. 4,1879 | 14 | 4 | 15 | 128 |
| Horse toe-weight | J. E. Henson | 220,919 | Oct. 28,1879 | 832 | 223 | 16 | 770 |
| Horse toe-weight | E. W. Noyes | 220,646 | Oct. 14,1879 | 502 | 132 | 16 | 710 |
| Horse toe-weight | H. Redmon, jr | 218,574 | Aug. 12,1879 | 540 | 152 | 16 | 304 |
| Horse toe-weight, Self-fastening | W. Zartman | 220,326 | Oct. 7,1879 | 131 | 36 | 16 | 652 |
| Horses, Apparatus for controlling runaway | L. B. Van Kleeck | 217,913 | July 29,1879 | 1134 | 324 | 16 | 186 |
| Horses, Appliance for protecting the fetlock sinews of. | H. Lehmann and A. Börendt | 222,290 | Dec. 2,1879 | 195 | 51 | 16 | 1036 |
| Horses, Device for securing blankets to | J. S. Smith | 218,902 | Aug. 26,1879 | 953 | 267 | 16 | 379 |
| Horses, Device for stopping | I. J. Warner | 222,105 | Nov. 25,1879 | 1136 | 320 | 16 | 995 |
| Horses, Device for stopping runaway | A. Getzschmann | 217,606 | July 15,1879 | 768 | 218 | 16 | 122 |
| Horses from stalls, Device from releasing | J. T. Condon | 216,022 | June 3,1879 | 20 | 5 | 15 | 887 |
| Horses' hoofs, Moisture and pressure pad for | D. C. Baker | 221,272 | Nov. 4,1879 | 146 | 40 | 16 | 833 |
| Horses, Soaking-boot for | J. D. Pierce | 215,666 | May 20,1879 | 802 | 235 | 15 | 819 |
| Horses to vehicles, Apparatus for attaching | J. Knights | 216,741 | June 24,1879 | 844 | 240 | 15 | 1020 |
| Horses, Upper-jaw check for | J. A. Sherman | 217,555 | July 15,1879 | 710 | 202 | 16 | 115 |
| Horseshoe | G. Bacon | 218,468 | Aug. 12,1879 | 427 | 119 | 16 | 288 |
| Horseshoe | A. J. Bidleman | 214,610 | Apr. 22,1879 | 1056 | 296 | 15 | 631 |
| Horseshoe | W. Eynon | 219,630 | Sept. 16,1879 | 661 | 184 | 16 | 514 |
| Horseshoe | H. W. Fletcher | 222,686 | Dec. 16,1879 | 677 | 194 | 16 | 1121 |
| Horseshoe | C. S. Hill | 222,700 | Dec. 16,1879 | 690 | 198 | 16 | 1123 |
| Horseshoe | F. A. Hoffmann | 219,944 | Sept. 23,1879 | 1019 | 283 | 16 | 572 |
| Horseshoe | F. Meier | 220,937 | Oct. 28,1879 | 857 | 230 | 16 | 774 |
| Horseshoe | J. N. Meyer | 214,940 | Apr. 29,1879 | 1424 | 396 | 15 | 687 |
| Horseshoe | G. Moebs and C. Landschneider | 214,686 | Apr. 22,1879 | 1133 | 318 | 15 | 641 |
| Horseshoe | G. Moebs and C. Landschneider | 215,764 | May 27,1879 | 910 | 267 | 15 | 842 |
| Horseshoe | J. K. Oneil | 221,347 | Nov. 4,1879 | 236 | 64 | 16 | 845 |
| Horseshoe | R. Pruessing | 211,930 | Feb. 4,1879 | 121 | 35 | 15 | 141 |
| Horseshoe | J. Vandegrift | 220,194 | Sept. 30,1879 | 1320 | 364 | 16 | 621 |
| Horseshoe | J. Whiteford | 216,248 | June 3,1879 | 250 | 75 | 15 | 916 |
| Horseshoe | H. G. Yates | 217,187 | July 1,1879 | 288 | 85 | 16 | 40 |
| Horseshoe and pad, Combined | J. E. Woodruff | 211,289 | Jan. 7,1879 | 233 | 68 | 15 | 30 |
| Horseshoe-bar | J. Fritz | 219,632 | Sept. 16,1879 | 664 | 184 | 16 | 514 |
| Horseshoe bars and blanks, Roll for | L. G. Claude | 219,621 | Sept. 16,1879 | 648 | 180 | 16 | 512 |
| Horseshoe-blanks, Machinery for the manufacture of. | F. Holub | 219,096 | Sept. 2,1879 | 44 | 14, 15 | 16 | 418 |
| Horseshoe-calk | H. Dietrich | 217,451 | July 15,1879 | 599 | 171 | 16 | 100 |
| Horseshoe-calk | G. K. Flower | 215,054 | May 6,1879 | 79 | 24 | 15 | 712 |
| Horseshoe-calk attachment | W. Dickinson | 216,026 | June 3,1879 | 25 | 6 | 15 | 888 |
| Horseshoe, Detachable | C. A. J. Campbell | 217,582 | July 15,1879 | 739 | 211 | 16 | 118 |
| Horseshoe-machine | L. G. Claude and C. Ball | 219,620 | Sept. 16,1879 | 646 | 179, 180 | 16 | 512 |
| Horseshoe-machine | D. H. Hatlee | 217,614 | July 15,1879 | 775 | 220 | 16 | 123 |
| Horseshoe-nail | J. Moeller | 218,302 | Aug. 5,1879 | 215 | 58 | 16 | 249 |
| Horseshoe-nail machine | C. H. Mayo | 218,636 | Aug. 19,1879 | 626 | 176 | 16 | 324 |
| Horseshoe-nail machine | J. E. Wheeler | 214,798 | Apr. 29,1879 | 1275 | 357 | 15 | 667 |
| Horeshoe-nails, Machine for forging | L. S. Parré | 215,768 | May 27,1879 | 913 | 268, 269 | 15 | 842 |
| Horseshoe-nails, Machine for making | G. L. Hall | 218,733 | Aug. 19,1879 | 724 | 206 | 16 | 338 |
| Horseshoe-nails, Machine for manufacturing | G. J. Capewell | 217,336 | July 8,1879 | 458 | 133, 134 | 16 | 70 |
| Horseshoe-nails, Manufacture of | W. W. Miner | 222,417 | Dec. 9,1879 | 339 | 96 | 16 | 1065 |
| Horseshoe-pad | S. Kimball | 221,681 | Nov. 18,1879 | 630 | 177 | 16 | 917 |
| Horseshoe-pad | W. A. Taylor | 212,069 | Feb. 4,1879 | 284 | 77 | 15 | 161 |
| Horseshoe-pad | G. W. Voelker | 219,327 | Sept. 2,1879 | 311 | 88 | 16 | 451 |
| Horseshoe, Supplemental | J. Spencer | 219,776 | Sept. 16,1879 | 818 | 226 | 16 | 535 |
| Horseshoe-swaging machine | D. J. and S. Farmer | 222,818 | Dec. 23,1879 | 825 | 236, 237 | 16 | 1153 |
| Horseshoe toe-weight | A. Fischer | 217,686 | July 22,1879 | 878 | 250 | 16 | 145 |
| Horseshoe toe-weight | A. J. Packard and C. P. Harris | 217,547 | July 15,1879 | 697 | 199 | 16 | 113 |
| Horseshoe toe-weight | L. Schmitt | 214,846 | Apr. 29,1879 | 1333 | 371 | 15 | 675 |
| Horseshoe-weight | A. D. Adams | 215,550 | May 20,1879 | 673 | 196 | 15 | 802 |
| Horseshoe-weight | W. Neely, jr | 219,973 | Sept. 23,1879 | 1051 | 291 | 16 | 576 |
| Horseshoe-weight | J. Robinson | 213,939 | Apr. 1,1879 | 219 | 64 | 15 | 501 |
| Horseshoes, Manufacture of | G. Bryden | 223,111 | Dec. 30,1879 | 1170 | 329, 330 | 16 | 1211 |
| Horseshoer's rasp | C. H. Perkins | 211,864 | Feb. 4,1879 | 49 | 15 | 15 | 132 |
| Hose | C. Callahan | 218,661 | Aug. 19,1879 | 652 | 184 | 16 | 328 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Hose | C. Callahan | 222,770 | Dec. 23, 1879 | 767 | 221 | 16 | 1145 |
| Hose and pipe coupling | W. K. Lawson | 222,713 | Dec. 16, 1879 | 702 | 202 | 16 | 1125 |
| Hose and pipe coupling | W. J. Stevens | 222,326 | Dec. 2, 1879 | 234 | 63 | 16 | 1041 |
| Hose-armor | H. Wakeman | 213,363 | Mar. 18, 1879 | 700 | 196 | 15 | 404 |
| Hose attachment for street-washers | C. Gumlich, jr | 212,599 | Feb. 25, 1879 | 933 | 258 | 15 | 261 |
| Hose-coupling | O. B. Hall, 2d | 216,736 | June 24, 1879 | 840 | 239 | 15 | 1019 |
| Hose-coupling | W. F. Hofmann | 216,851 | June 24, 1879 | 974 | 277 | 15 | 1036 |
| Hose-coupling | J. W. Kennedy | 213,577 | Mar. 25, 1879 | 928 | 263 | 15 | 441 |
| Hose-coupling | A. J. Morse | 217,894 | July 29, 1879 | 1112 | 319 | 16 | 184 |
| Hose-coupling | J. L. Schmidt | 217,643 | July 15, 1879 | 807 | 230 | 16 | 127 |
| Hose-coupling | F. Stewart | 219,032 | Aug. 26, 1879 | 1085 | 305 | 16 | 396 |
| Hose-coupling | A. Work | 213,274 | Mar. 11, 1879 | 587 | 164 | 15 | 380 |
| Hose, &c., coupling | W. J. Stevens | 223,183 | Dec. 30, 1879 | 1243 | 352 | 16 | 1222 |
| Hose coupling, Car | F. Woodbridge | 216,010 | May 27, 1879 | 1174 | 341 | 15 | 875 |
| Hose-coupling, Vacuum-brake | H. H. Westinghouse | 214,334 | Apr. 15, 1879 | 729 | 204 | 15 | 582 |
| Hose, Electric-signal fire | J. Buchtel | 211,833 | Feb. 4, 1879 | 5 | 2 | 15 | 127 |
| Hose jacket, Fire | C. B. Allaire | 216,639 | June 17, 1879 | 715 | 205 | 15 | 993 |
| Hose-nozzle | T. O'Neill | 219,505 | Sept. 9, 1879 | 514 | 143 | 16 | 486 |
| Hose-nozzle, Adjustable | G. C. Palmer | 221,349 | Nov. 4, 1879 | 238 | 64 | 16 | 845 |
| Hose or tubing | E. L. Perry | 219,596 | Sept. 16, 1879 | 616 | 172 | 16 | 507 |
| Hose-pipe, Device for holding | J. Van Arsdale | 218,146 | Aug. 5, 1879 | 47 | 13 | 16 | 226 |
| Hose-pipe supporter | W. P. Silvernail | 212,992 | Mar. 4, 1879 | 259 | 71 | 15 | 330 |
| Hose-reel | T. J. Cain | 221,516 | Nov. 11, 1879 | 442 | 120 | 16 | 882 |
| Hose-reel | W. Neracher | 222,836 | Dec. 23, 1879 | 846 | 242, 243 | 16 | 1156 |
| Hose relief-gate | J. Heimlich and L. O. Dehnel | 212,601 | Feb. 25, 1879 | 934 | 258 | 15 | 261 |
| Hose-support | E. S. and S. M. Hinks | 216,409 | June 10, 1879 | 459 | 131 | 15 | 950 |
| Hose-support | A. M. Waterworth | 212,876 | Mar. 4, 1879 | 112 | 33 | 15 | 312 |
| Hose, Universal joint for fire-engine | B. Holland, jr | 217,006 | July 1, 1879 | 82 | 25 | 16 | 13 |
| Hot-air bath apparatus | T. Keech | 212,011 | Feb. 4, 1879 | 213 | 60 | 15 | 153 |
| Hot-air engine | A. K. Rider | 220,309 | Oct. 7, 1879 | 112 | 30 | 16 | 650 |
| Hot-air engine | H. W. Sherrill | 213,783 | Apr. 1, 1879 | 56 | 18 | 15 | 480 |
| Hot-air furnace | W. F. Beecher | 217,723 | July 22, 1879 | 916 | 262 | 16 | 151 |
| Hot-air furnace | H. M. Chittenden | 215,097 | May 6, 1879 | 126 | 37, 38 | 15 | 718 |
| Hot-air furnace | T. Crooke | 214,629 | Apr. 22, 1879 | 1074 | 302 | 15 | 634 |
| Hot-air furnace | T. F. Hemmich | 222,782 | Dec. 23, 1879 | 785 | 225, 226 | 16 | 1147 |
| Hot air furnace | D. Milson | 213,676 | Mar. 25, 1879 | 1036 | 294 | 15 | 455 |
| Hot-air furnace | W. J. Towne | 213,791 | Apr. 1, 1879 | 65 | 21 | 15 | 481 |
| Hot-air furnace, Double-combustion | D. P. Kayner | 218,982 | Aug. 26, 1879 | 1033 | 291 | 16 | 390 |
| Hot-air furnaces, &c., Casing for | D. B. Muchmore | 212,106 | Feb. 11, 1879 | 331 | 91 | 15 | 170 |
| Hot-air heater | T. F. Hemmich | 217,794 | July 22, 1879 | 987 | 282 | 16 | 161 |
| Hot-bed | B. Middleton | 222,928 | Dec. 23, 1879 | 952 | 273 | 16 | 1172 |
| Hot-bed-sash ventilator | E. C. Seamen | 216,487 | June 10, 1879 | 543 | 155 | 15 | 961 |
| House: *See* Drying-house. Slaughter-house. Refrigerating-house. Smoke-house. | | | | | | | |
| House-ventilator | A. B. Nott | 212,258 | Feb. 11, 1879 | 499 | 139 | 15 | 192 |
| Howeling, crozing, and chamfering machine | H. W. King | 221,172 | Nov. 4, 1879 | 39 | 11 | 16 | 817 |
| Hub-attaching device | J. F. Bednar | 214,748 | Apr. 29, 1879 | 1214 | 341 | 15 | 659 |
| Hub-attaching device | A. Denison | 218,000 | July 29, 1879 | 1228 | 352 | 16 | 198 |
| Hub-attaching device | C. C. Egerton | 220,968 | Oct. 28, 1879 | 897 | 240 | 16 | 779 |
| Hub-attaching device | G. Finkbeiner | 217,086 | July 1, 1879 | 184 | 53 | 16 | 26 |
| Hub-attaching device | M. L. Green | 211,990 | Feb. 4, 1879 | 190 | 54 | 15 | 151 |
| Hub-attaching device | R. Howland | 213,425 | Mar. 18, 1879 | 757 | 213 | 15 | 411 |
| Hub-attaching device | O. C. Mason | 216,524 | June 17, 1879 | 596 | 169 | 15 | 977 |
| Hub-attaching device | F. P. Rathbun | 221,701 | Nov. 18, 1879 | 650 | 182 | 16 | 919 |
| Hub-boring and box-setting machine | W. L. Curtis | 220,349 | Oct. 7, 1879 | 153 | 41 | 16 | 655 |
| Hub-boring machine | A. J. Mougey | 219,171 | Sept. 2, 1879 | 126 | 38 | 16 | 428 |
| Hub, Metallic | W. F. Sawdon and H. North | 219,413 | Sept. 9, 1879 | 422 | 117 | 16 | 473 |
| Hub-mortising-machine attachment | P. H. Parsons | 218,767 | Aug. 19, 1879 | 764 | 216 | 16 | 343 |
| Hub sand-band | W. H. Stevens | 221,256 | Nov. 4, 1879 | 128 | 34 | 16 | 830 |
| Hub, Sleigh | G. W. Bennett | 211,127 | Jan. 7, 1879 | 56 | 18 | 15 | 7 |
| Hub, Vehicle-wheel | N. P. Bowsher | 215,086 | May 6, 1879 | 116 | 34 | 15 | 717 |
| Hub, Vehicle-wheel | J. D. Bultz and J. L. Baker | 217,196 | July 8, 1879 | 312 | 92 | 16 | 51 |
| Hub, Vehicle-wheel | L. S. Edleblute | 222,683 | Dec. 16, 1879 | 674 | 193 | 16 | 1121 |
| Hub, Vehicle-wheel | C. H. Guard | 214,504 | Apr. 22, 1879 | 926 | 262 | 15 | 616 |
| Hub, Vehicle-wheel | J. I. Healey | 215,741 | May 27, 1879 | 887 | 259 | 15 | 839 |
| Hub, Vehicle-wheel | A. B. Holcomb | 212,934 | Mar. 4, 1879 | 192 | 53 | 15 | 321 |
| Hub, Vehicle-wheel | J. A. Mackinnon | 211,858 | Feb. 4, 1879 | 42 | 14 | 15 | 131 |
| Hub, Vehicle-wheel | L. L. Maxhimer and H. and E. B. Trubey. | 220,981 | Oct. 28, 1879 | 914 | 244 | 16 | 781 |
| Hub, Vehicle-wheel | A. McKellar | 222,294 | Dec. 2, 1879 | 200 | 52 | 16 | 1036 |
| Hub, Vehicle-wheel | J. N. Meyer | 211,581 | Jan. 21, 1879 | 589 | 166 | 15 | 78 |
| Hub, Vehicle-wheel | S. P. Ruggles | 221,976 | Nov. 25, 1879 | 994 | 278 | 16 | 975 |
| Hub, Vehicle-wheel | W. H. Ward | 218,094 | July 29, 1879 | 1327 | 381 | 16 | 211 |
| Huller: *See* Coffee-huller. Coffee and spice huller. | | | | | | | |
| Hulling-machine | N. Hutchinson and A. Hubbell | 212,005 | Feb. 4, 1879 | 207 | 59 | 15 | 152 |
| Husking and pruning device | D. E. Dopp | 212,544 | Feb. 25, 1879 | 869 | 240 | 15 | 253 |
| Husking implement | W. E. Hall | 218,626 | Aug. 19, 1879 | 618 | 173 | 16 | 323 |
| Husking-peg | J. V. Guy | 222,586 | Dec. 16, 1879 | 553 | 158 | 16 | 1104 |
| Husking-pin | W. E. Hall | 216,672 | June 17, 1879 | 750 | 214 | 15 | 998 |
| Hydrant | P. H. Baermann | 218,418 | Aug. 12, 1879 | 357 | 98, 99 | 16 | 279 |
| Hydrant | E. A. Benson | 215,084 | May 6, 1879 | 114 | 34 | 15 | 717 |
| Hydrant | S. H. Brown | 214,808 | Apr. 29, 1879 | 1288 | 360 | 15 | 669 |
| Hydrant | T. Gibbons | 220,280 | Oct. 7, 1879 | 77 | 21 | 16 | 645 |
| Hydrant | J. Jonson | 214,922 | Apr. 29, 1879 | 1409 | 391 | 15 | 684 |
| Hydrant | J. Snell | 212,408 | Feb. 18, 1879 | 679 | 189 | 15 | 219 |
| Hydrant or stand-pipe | J. H. Greathead and M. D. Martindale. | 215,603 | May 20, 1879 | 734 | 214 | 15 | 810 |
| Hydrant, Street | G. C. Morgan | 212,486 | Feb. 18, 1879 | 780 | 216 | 15 | 232 |
| Hydrant-valve | C. J. Elliott and H. B. McCool | 214,378 | Apr. 15, 1879 | 782 | 220 | 15 | 589 |

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|---|---|---|---|---|---|---|---|
| Hydraulic elevator | K. Fletcher | 211, 625 | Jan. 28, 1879 | 657 | 184, 185 | 15 | 90 |
| Hydraulic elevator | S. C. Rowell | 221, 940 | Nov. 25, 1879 | 951 | 267 | 16 | 969 |
| Hydraulic elevator | H. Snowden | 215, 985 | May 27, 1879 | 1152 | 335 | 15 | 872 |
| Hydraulic elevator | H. Snowden | 216, 465 | June 10, 1879 | 523 | 149 | 15 | 959 |
| Hydraulic elevator | S. Swartz | 213, 143 | Mar. 11, 1879 | 452 | 125 | 15 | 363 |
| Hydraulic elevator | S. Swartz | 220, 040 | Sept. 30, 1879 | 1137 | 314 | 16 | 595 |
| Hydraulic engine | R. J. Cartmel | 212, 591 | Feb. 25, 1879 | 923 | 255 | 15 | 260 |
| Hydraulic engine | A. D. Coburn | 217, 991 | July 29, 1879 | 1214 | 348 | 16 | 197 |
| Hydraulic engine | L. K. Fuller | 213, 745 | Apr. 1, 1879 | 17 | 6 | 15 | 475 |
| Hydraulic engine | A. E. Möller | 218, 303 | Aug. 5, 1879 | 216 | 58, 59 | 16 | 250 |
| Hydraulic engine | H. Z. Norton | 220, 168 | Sept. 30, 1879 | 1287 | 354 | 16 | 616 |
| Hydraulic engine | J. Talley, jr | 213, 952 | Apr. 1, 1879 | 232 | 68 | 15 | 502 |
| Hydraulic lift | W. B. Hyde | 216, 326 | June 10, 1879 | 364 | 105 | 15 | 938 |
| Hydraulic motor | W. S. Puckett | 212, 500 | Feb. 18, 1879 | 796 | 220 | 15 | 235 |
| Hydraulic-power mechanism | O. C. Woolson | 219, 555 | Sept. 9, 1879 | 561 | 157 | 16 | 492 |
| Hydraulic press | J. Watson | 222, 554 | Dec. 9, 1879 | 504 | 142 | 16 | 1086 |
| Hydrocarbon-burner | T. B. Dexter | 218, 619 | Aug. 19, 1879 | 609 | 171 | 16 | 322 |
| Hydrocarbon-burner | R. S. Robertson | 222, 156 | Dec. 2, 1879 | 44 | 11 | 16 | 1015 |
| Hydrocarbon-burner | S. C. Salisbury | 216, 898 | June 24, 1879 | 1022 | 290 | 15 | 1042 |
| Hydrocarbon-burner | W. W. Thomas | 218, 337 | Aug. 5, 1879 | 253 | 69 | 16 | 254 |
| Hydrocarbon-burner | F. M. Wareham | 223, 084 | Dec. 30, 1879 | 1138 | 322 | 16 | 1207 |
| Hydrocarbon burner, Liquid | H. A. Bradley | 217, 259 | July 8, 1879 | 378 | 111 | 16 | 60 |
| Hydrocarbon-burning apparatus | R. F. Humiston | 216, 853 | June 24, 1879 | 975 | 277 | 15 | 1036 |
| Hydrocarbon-burning apparatus | S. C. Salisbury | 216, 977 | July 1, 1879 | 55 | 17 | 16 | 9 |
| Hydrocarbon from substances which have been treated therewith, Removing. | W. Adamson | 212, 878 | Mar. 4, 1879 | 114 | 33 | 15 | 312 |
| Hydrocarbon-furnace | R. S. Robertson | 216, 459 | June 10, 1879 | 516 | 147 | 15 | 958 |
| Hydrocarbon-furnace | H. R. Smith | 219, 991 | Sept. 23, 1879 | 1067 | 296 | 16 | 578 |
| Hydrocarbon-vapor burner for heating purposes | H. H. Eames | 216, 562 | June 17, 1879 | 634 | 179 | 15 | 982 |
| Hydrocarbons and water, Apparatus for producing power, heat, and light from. | J. M. Hunter | 217, 223 | July 8, 1879 | 342 | 102 | 16 | 55 |
| Hydrocarbons, Manufacture of porous blocks for effecting combustion of. | G. H. Lilley | 216, 196 | June 3, 1879 | 196 | 58 | 15 | 910 |
| Hydrometer | H. Blattner and F. Adam | 216, 304 | June 10, 1879 | 336 | 99 | 15 | 934 |
| Hydrometer and liquid-meter | J. M. Cayce | 211, 554 | Jan. 21, 1879 | 557 | 158 | 15 | 74 |
| Hydro-motor | E. Fleischer | 213, 101 | Mar. 11, 1879 | 404 | 112 | 15 | 356 |
| Hydro-pneumatic engine | C. Fisher | 215, 902 | May 27, 1879 | 1071 | 311 | 15 | 862 |
| Hydrostatic press | T. J. McGowan | 214, 574 | Apr. 22, 1879 | 1015 | 285 | 15 | 626 |
| I. | | | | | | | |
| Ice apparatus, Water-agitator for | F. N. Mackay | 214, 425 | Apr. 15, 1879 | 831 | 233 | 15 | 595 |
| Ice-boom | J. B. Hansler | 218, 962 | Aug. 26, 1879 | 1009 | 284 | 16 | 387 |
| Ice-cream freezer | T. R. Clough | 218, 162 | Aug. 5, 1879 | 65 | 17 | 16 | 229 |
| Ice-cream freezer | J. McAnespy | 217, 130 | July 1, 1879 | 227 | 65 | 16 | 32 |
| Ice-cream freezer | T. Sands | 219, 878 | Sept. 23, 1879 | 945 | 261 | 16 | 561 |
| Ice-cream-freezer dasher | J. H. Dunbar | 216, 607 | June 17, 1879 | 687 | 196 | 15 | 989 |
| Ice-creeper | E. D. Austin | 211, 684 | Jan. 28, 1879 | 725 | 202 | 15 | 100 |
| Ice-elevator | C. J. Atkins | 220, 564 | Oct. 14, 1879 | 413 | 107 | 16 | 698 |
| Ice implement | D. N. B. Coffin | 216, 310 | June 10, 1879 | 343 | 100 | 15 | 935 |
| Ice-machines, Apparatus for preparing water for | F. Littmann | 214, 161 | Apr. 8, 1879 | 503 | 143 | 15 | 544 |
| Ice-machines, Production of cold in | C. M. T. Du Motay and L. F. Beckwith. | 221, 753 | Nov. 18, 1879 | 710 | ..... | 16 | 928 |
| Ice-making apparatus | C. B. Lee | 213, 668 | Mar. 25, 1879 | 1027 | 291, 292 | 15 | 454 |
| Ice-making apparatus | T. L. Rankin | 220, 420 | Oct. 7, 1879 | 233 | 62 | 16 | 667 |
| Ice-making-apparatus tanks, Cell for | J. Siddeley and F. N. Mackay | 217, 647 | July 15, 1879 | 810 | 231 | 16 | 128 |
| Ice-making machines, Cell for tanks of | F. N. Mackay | 213, 219 | Mar. 11, 1879 | 529 | 147 | 15 | 373 |
| Ice-making machines, Cut-off for | S. B. Hunt | 216, 040 | June 3, 1879 | 39 | 10 | 15 | 889 |
| Ice-planer | E. D. Haley | 214, 999 | May 6, 1879 | 19 | 7 | 15 | 705 |
| Ice, Preserving, protecting, and handling | H. J. Slee and E. K. Goss | 219, 121 | Sept. 2, 1879 | 71 | 23 | 16 | 422 |
| Ice tongs, pick, and hatchet, Combined | W. S. Hill | 222, 186 | Dec. 2, 1879 | 81 | 20 | 16 | 1019 |
| Implement-seat | J. Kelly | 221, 574 | Nov. 11, 1879 | 513 | 140 | 16 | 892 |
| Incense-coal, Compound for | E. W. J. Lindesmith | 215, 945 | May 27, 1879 | 1117 | 323 | 15 | 867 |
| Incrustation-preventive | F. Leporin | 219, 742 | Sept. 16, 1879 | 783 | ..... | 16 | 530 |
| Incubator | J. L. Campbell | 217, 333 | July 8, 1879 | 454 | 133 | 16 | 70 |
| Incubator | J. L. Campbell | 221, 214 | Nov. 4, 1879 | 78 | 21 | 16 | 823 |
| Incubator | S. Leonard and J. Maury | 217, 121 | July 1, 1879 | 220 | 63 | 16 | 30 |
| Incubator | E. S. Renwick | 217, 148 | July 1, 1879 | 246 | 72, 73 | 16 | 34 |
| Incubator | H. B. Tatham, jr | 220, 191 | Sept. 30, 1879 | 1317 | 364 | 16 | 621 |
| Incubators, Heat-regulator for | F. Meyer | 214, 941 | Apr. 29, 1879 | 1425 | 396 | 15 | 687 |
| Indicator: *See* Elevator-indicator. Game-indicator. Letter-box indicator. Pressure-indicator. Speed-indicator. Speed and leeway indicator. Station-indicator. Steam-boiler indicator. Train-indicator. Water-indicator. | | | | | | | |
| Indicator | G. A. Brady | 214, 234 | Apr. 15, 1879 | 603 | 171 | 15 | 566 |
| Indicator | W. L. Brownell | 221, 212 | Nov. 4, 1879 | 77 | 20 | 16 | 822 |
| Indicator | F. N. Chase | 212, 789 | Mar. 4, 1879 | 10 | 3 | 15 | 298 |
| Indicator-lock | A. G. Gartley | 218, 252 | Aug. 5, 1879 | 166 | 44 | 16 | 243 |
| Indicator-lock | F. W. Mix | 219, 495 | Sept. 9, 1879 | 504 | 140 | 16 | 484 |
| Inflatable form for displaying articles | T. J. and H. J. Braun | 222, 344 | Dec. 9, 1879 | 263 | 73 | 16 | 1055 |
| Infusions, Apparatus for making | R. U. Etzensberger | 213, 815 | Apr. 1, 1879 | 94 | 29 | 15 | 485 |
| Inhalation, Device for medicinal | J. F. Morrison | 223, 058 | Dec. 30, 1879 | 1105 | ..... | 16 | 1203 |
| Inhaler | G. H. Hurd | 219, 400 | Sept. 9, 1879 | 404 | 113 | 16 | 471 |
| Inhaler | H. R. Hurd | 217, 691 | July 22, 1879 | 884 | 252 | 16 | 146 |
| Inhaler and respirator | H. R. Hurd | 218, 976 | Aug. 26, 1879 | 1028 | 289 | 16 | 389 |
| Inhaler, vaporizer, and douche, Combined | J. B. Haight | 218, 434 | Aug. 12, 1879 | 379 | 104 | 16 | 282 |
| Injector | J. Cain | 212, 590 | Feb. 25, 1879 | 921 | 255 | 15 | 260 |
| Injector | A. Friedmann | 213, 648 | Mar. 25, 1879 | 1004 | 286 | 15 | 451 |
| Injector | L. B. Fulton and J. Proeger | 215, 906 | May 27, 1879 | 1075 | 313 | 15 | 862 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Drg. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Injector | E. Hamer, J. Metcalfe, and E. Davies. | 221,059 | Oct. 28, 1879 | 1006 | 267 | 16 | 793 |
| Injector | L. Schutte | 211,267 | Jan. 7, 1879 | 206 | 60 | 15 | 27 |
| Injector | L. Schutte | 215,544 | May 20, 1879 | 665 | 194 | 15 | 801 |
| Injector | M. D. Strickland | 218,080 | July 29, 1879 | 1314 | 377 | 16 | 210 |
| Injector, Air and gas | J. L. Warden | 220,006 | Sept. 23, 1879 | 1086 | 301 | 16 | 581 |
| Injector, Air and steam | C. A. Ludlow | 214,965 | Apr. 29, 1879 | 1448 | 403 | 15 | 690 |
| Injector and ejector | J. H. Irwin | 215,821 | May 27, 1879 | 979 | 286 | 15 | 851 |
| Injector and ejector, Combined | L. B. Fulton | 220,471 | Oct. 14, 1879 | 298 | 80 | 16 | 684 |
| Injector and ejector, Steam | J. H. Irwin | 215,126 | May 6, 1879 | 173 | 49, 50 | 15 | 723 |
| Injector for beer-kegs, Salt | J. C. G. Hüpfel | 212,800 | Mar. 4, 1879 | 23 | 8 | 15 | 300 |
| Injector, Steam-boiler | G. R. Buckman | 211,438 | Feb. 18, 1879 | 721 | 199 | 15 | 225 |
| Injector, Steam-boiler | D. Fergus | 218,510 | Aug. 12, 1879 | 469 | 131 | 16 | 294 |
| Injector, Steam-boiler | L. E. Hagne | 222,497 | Dec. 9, 1879 | 438 | 125 | 16 | 1078 |
| Ink for printing protective tints on commercial blanks. | E. Mendel | 216,625 | June 17, 1879 | 705 | ..... | 15 | 992 |
| Ink-fountain for printing-machines | G. W. Prouty | 220,547 | Oct. 14, 1879 | 390 | 101 | 16 | 695 |
| Ink-powders, Capsuled | G. J. Collins | 216,832 | June 24, 1879 | 952 | ..... | 15 | 1033 |
| Inkstand | J. Adair | 218,614 | Aug. 19, 1879 | 599 | 169 | 16 | 321 |
| Inkstand | H. C. Benson | 217,256 | July 8, 1879 | 375 | 111 | 16 | 60 |
| Inkstand | B. Brower | 222,811 | Dec. 23, 1879 | 817 | 234 | 16 | 1152 |
| Inkstand | A. D. Judd | 221,965 | Nov. 25, 1879 | 982 | 275 | 16 | 973 |
| Inkstand | R. C. Nichols | 222,200 | Dec. 2, 1879 | 96 | 24 | 16 | 1022 |
| Inkstand | W. F. Reddiug | 211,307 | Jan. 14, 1879 | 280 | 83 | 15 | 37 |
| Ink-well | J. D. Williams | 220,742 | Oct. 21, 1879 | 622 | 166 | 16 | 734 |
| Ink-well for school-desks | G. H. Henkel | 219,399 | Sept. 9, 1879 | 404 | 112 | 16 | 471 |
| Ink-well lid | J. M. Mott | 214,175 | Apr. 8, 1879 | 516 | 147 | 15 | 545 |
| Inlaying metallic ornaments in wood or stone | L. A. Amouroux | 213,372 | Mar. 18, 1879 | 706 | 198 | 15 | 405 |
| Inlaying metallic scroll-ornaments in hard rubber and allied gums. | M. Smith | 213,784 | Apr. 1, 1879 | 58 | 19 | 15 | 480 |
| Insect-destroyer | G. H. Hull | 216,679 | June 17, 1879 | 758 | 216 | 15 | 999 |
| Insect-destroyer | L. S. Schanck | 215,683 | May 20, 1879 | 820 | 240 | 15 | 822 |
| Insect-destroying apparatus | O. C. Hale | 220,072 | Sept. 30, 1879 | 1181 | 325 | 16 | 601 |
| Insect-destroying apparatus | J. C. Melcher | 221,843 | Nov. 18, 1879 | 822 | 229 | 16 | 942 |
| Insect-destroying apparatus | W. H. Potter | 219,014 | Aug. 26, 1879 | 1067 | 301 | 16 | 394 |
| Insect-destroying machine | W. M. Hicks | 216,614 | June 17, 1879 | 693 | 198 | 15 | 991 |
| Insect-exterminator | J. Z. Walker | 216,476 | June 10, 1879 | 533 | 152 | 15 | 960 |
| Insect-trap | W. J. Quinn | 213,068 | Mar. 11, 1879 | 357 | 101 | 15 | 351 |
| Insect-trap for protecting fruit, &c | R. H. Wells | 213,719 | Mar. 25, 1879 | 1077 | 306 | 15 | 461 |
| Insects by fumigation, Apparatus for destroying | F. C. Cook | 222,575 | Dec. 16, 1879 | 542 | 154 | 16 | 1102 |
| Insects by fumigation, Apparatus for destroying | L. C. Root | 213,251 | Mar. 11, 1879 | 565 | 157 | 15 | 378 |
| Insects by fumigation, Device for destroying | R. B. Rathbun | 216,060 | June 3, 1879 | 58 | 16 | 15 | 892 |
| Insects, Fumigating apparatus for exterminating | O. Mueller | 213,235 | Mar. 11, 1879 | 548 | 152 | 15 | 375 |
| Insects on vines, Apparatus for destroying | J. E. Wells | 211,199 | Jan. 7, 1879 | 133 | 41 | 15 | 19 |
| Insects, Powder-duster for destroying | W. B. Allen | 217,040 | July 1, 1879 | 125 | 37 | 16 | 19 |
| Insecticide | J. C. Benton | 212,835 | Mar. 4, 1879 | 65 | ..... | 15 | 306 |
| Insecticide compounds | F. W. Lyons and E. Ziegler | 222,413 | Dec. 9, 1879 | 334 | ..... | 16 | 1065 |
| Insole | C. O. Kanouse | 219,484 | Sept. 9, 1879 | 492 | 137 | 16 | 483 |
| Inspirator | W. R. Park | 212,620 | Feb. 25, 1879 | 954 | 264 | 15 | 264 |
| Instrument-case and dental engine, Combined | B. M. Wilkerson | 215,851 | May 27, 1879 | 1018 | 297 | 15 | 855 |
| Insulating and protecting telegraphic conductors | M. M. and R. P. Manly | 215,643 | May 20, 1879 | 778 | 228, 229 | 15 | 816 |
| Insulating telegraphic conductors, Apparatus for | R. P. Manly | 215,231 | May 20, 1879 | 300 | 88 | 15 | 743 |
| Insulator, Telegraph | J. H Bloomfield | 216,138 | June 3, 1879 | 137 | 41 | 15 | 902 |
| Insulator, Telegraphic | B. Taylor | 217,427 | July 8, 1879 | 555 | 159 | 16 | 82 |
| Interfering-strap | C. B. Dickinson | 220,585 | Oct. 14, 1879 | 441 | 114 | 16 | 702 |
| Intestines, Machine for cleansing | L. and J. Baumle | 222,567 | Dec. 16, 1879 | 532 | 151 | 16 | 1101 |
| Invalid-chair | T. S. Binkard | 219,844 | Sept. 23, 1879 | 911 | 251 | 16 | 556 |
| Invalid-chair | C. L. Stevens | 221,124 | Oct. 28, 1879 | 1068 | 282 | 16 | 801 |
| Invalid-chair, Adjustable | F. Bohsert | 215,871 | May 27, 1879 | 1039 | 303 | 15 | 858 |
| Invalid rocking-chair | C. Sundquist | 216,582 | June 17, 1879 | 659 | 187 | 15 | 985 |
| Iodine and bromine, Manufacture of | J. N. J. Dubreuil | 217,076 | July 1, 1879 | 170 | ..... | 16 | 24 |
| Iodine and bromine, Manufacture of | R. Miller and H. Bockel | 219,004 | Aug. 26, 1879 | 1056 | 298 | 16 | 393 |
| Iron: *See* Balling-iron. Billiard-table corner-iron. Carriage-top iron. Eave-trough iron. Flat-iron. Fluting-iron. Grappling-iron. Grooving-iron. Milliner's and hatter's iron. Polishing-iron. Pressing-iron. Sad-iron. Self-heating iron. Smoothing and polishing iron. Soldering-iron. Vehicle rub-iron. Wagon-body corner-iron. Wagon-box iron. Wagon rub-iron. | | | | | | | |
| Iron and steel by magnetism, Ascertaining the density and tentile strength of. | A. Herring | 213,197 | Mar. 11, 1879 | 509 | 141, 142 | 15 | 370 |
| Iron and steel, Dephosphorizing | J. Reese | 219,519 | Sept. 9, 1879 | 527 | ..... | 16 | 488 |
| Iron and steel, Manufacture of | G. W. Swett | 219,541 | Sept. 9, 1879 | 548 | ..... | 16 | 491 |
| Iron, Composition for softening cast | S. Holton and O. Abbey | 223,138 | Dec. 30, 1879 | 1202 | ..... | 16 | 1216 |
| Iron, Dephosphorizing | S. G. Thomas | 216,910 | June 24, 1879 | 1036 | ..... | 15 | 1044 |
| Iron, Fluxing compound for manufacture of | J. Tate | 222,369 | Dec. 9, 1879 | 287 | ..... | 16 | 1058 |
| Iron, Galvanizing and tinning | W. H. Wahl and E. Y. Eltonhead | 213,015 | Mar. 4, 1879 | 285 | 79 | 15 | 333 |
| Iron, Manufacture of | E. Pettitt | 219,410 | Sept. 9, 1879 | 417 | 116 | 16 | 473 |
| Iron ware, Manufacture of enamelled cast | D. R. Quinby | 222,422 | Dec. 9, 1879 | 344 | ..... | 16 | 1066 |
| Ironing and seam-opening machine | J. T. Bruen | 216,507 | June 17, 1879 | 574 | 164 | 15 | 974 |
| Ironing apparatus | J. G. Crawford | 219,345 | Sept. 9, 1879 | 341 | 97 | 16 | 463 |
| Ironing apparatus | J. G. Crawford | 219,346 | Sept. 9, 1879 | 342 | 97 | 16 | 463 |
| Ironing-board | W. E. Berry | 219,901 | Sept. 23, 1879 | 970 | 269 | 16 | 565 |
| Ironing-board | D. T. Fuller | 217,605 | July 15, 1879 | 767 | 218 | 16 | 122 |
| Ironing board, Bosom | C. W. Hilton | 216,274 | June 10, 1879 | 302 | 88 | 15 | 930 |
| Ironing-machine | W. and J. Coutie | 215,325 | May 13, 1879 | 418 | 124 | 15 | 759 |
| Ironing-machine | R. H. and J. W. Garduer | 211,145 | Jan. 7, 1879 | 71 | 23 | 15 | 10 |
| Ironing-machine | W. S. Kinsman | 215,228 | May 13, 1879 | 296 | 87 | 15 | 743 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Ironing-machine | J. Reidy | 220, 868 | Oct. 21, 1879 | 761 | 203 | 16 | 752 |
| Ironing-machine | F. Thomas and J. Smith | 215, 412 | May 13, 1879 | 499 | 148 | 15 | 770 |
| Ironing-machine | G. Wright | 214, 340 | Apr. 15, 1879 | 738 | 206 | 15 | 583 |
| Ironing-machine apron | H. E. Smith | 223, 180 | Dec. 30, 1879 | 1241 | 351 | 16 | 1221 |
| Ironing-stand | H. B. Summers | 216, 297 | June 10, 1879 | 329 | 97 | 15 | 933 |
| Ironing-table | O. Cleaveland | 218, 932 | Aug. 26, 1879 | 982 | 276 | 16 | 383 |
| Ironing-table | S. W. Kilbourne | 212, 805 | Mar. 4, 1879 | 30 | 10 | 15 | 301 |
| Ironing-table | C. F. W. Seidel | 215, 402 | May 13, 1879 | 489 | 145 | 15 | 768 |
| Ironing-table | J. Wills | 220, 011 | Sept. 23, 1879 | 1093 | 302 | 16 | 581 |
| Irrigation-pipe | E. M. Hamilton | 216, 673 | June 17, 1879 | 751 | 214 | 15 | 998 |
| J. | | | | | | | |
| Jack: | | | | | | | |
| *See* Boot-jack. Lifting-jack. Car-jack. Pegging-jack. Hoisting-jack. Thill-coupling jack. Horse-power jack. Wagon-jack. Laundry-jack. | | | | | | | |
| Jack or dresser spool | B. Hawkins | 214, 037 | Apr. 8, 1879 | 355 | 101 | 15 | 526 |
| Jacket-can | E. T. Mason and F. A. Bergman | 221, 927 | Nov. 25, 1879 | 940 | 263 | 16 | 968 |
| Jacketed can | N. E. Woods | 211, 823 | Jan. 28, 1879 | 883 | 249 | 15 | 120 |
| Jail, prison, and grating bar | G. Kinsey and H. P. McDonald | 216, 865 | June 24, 1879 | 989 | 281 | 15 | 1038 |
| Jar: | | | | | | | |
| *See* Drill-jar. Milk-jar. Fruit-jar. Slop-jar. Fruit or preserve jar. | | | | | | | |
| Jar and can | F. S. Shirley and F. Rhind | 223, 013 | Dec. 30, 1879 | 1054 | 302 | 16 | 1196 |
| Jar, &c., cover fastener | P. Miles | 218, 824 | Aug. 26, 1879 | 853 | 240 | 16 | 365 |
| Jar for preserving fruit and vegetables | J. Murphin | 220, 642 | Oct. 14, 1879 | 499 | 131 | 16 | 710 |
| Jars, Device for sealing | E. Fétard | 211, 141 | Jan. 7, 1879 | 68 | 22 | 15 | 9 |
| Jetty | E. T. Bangs and M. L. Dolbey | 219, 899 | Sept. 23, 1879 | 966 | 267 | 16 | 564 |
| Jewel-casket | W. L. Martin | 219, 642 | Sept. 16, 1879 | 680 | 188 | 16 | 516 |
| Jeweler's findings, Manufacture of | G. H. Fuller | 215, 217 | May 13, 1879 | 287 | 84 | 15 | 741 |
| Jeweler's frosting-tool | G. B. Fittz, J. Baxter, and M. E. Rowe. | 217, 522 | July 15, 1879 | 672 | 192 | 16 | 110 |
| Jeweler's settings, Die for manufacturing | C. Blancard | 219, 202 | Sept. 2, 1879 | 156 | 47 | 16 | 432 |
| Jewelry | N. Grant | 217, 279 | July 8, 1879 | 400 | 118 | 16 | 63 |
| Jewelry-charm | S. Coleman | 219, 445 | Sept. 9, 1879 | 453 | 126 | 16 | 477 |
| Jewelry, Manufacture of | G. H. Fuller | 215, 113 | May 6, 1879 | 154 | 44 | 15 | 721 |
| Jewelry, Manufacture of | J. W. and I. M. Miller | 215, 235 | May 13, 1879 | 304 | 89, 90 | 15 | 744 |
| Jewelry, Manufacture of | J. Obrig | 219, 008 | Aug. 26, 1879 | 1061 | 299 | 16 | 393 |
| Jewelry, Manufacture of sprig-work for | L. Heckmann | 212, 848 | Mar. 4, 1879 | 76 | 23 | 15 | 507 |
| Jewelry, Manufacture of stock-plate for | J. S. Palmer | 217, 398 | July 8, 1879 | 524 | 151 | 16 | 79 |
| Jewelry, Manufacture of wire fastenings for | W. W. Covell | 217, 861 | July 29, 1879 | 1075 | 309 | 16 | 178 |
| Jewelry, Manufacturing plated stock for | A. M. Murray and E. Bent | 219, 646 | Sept. 16, 1879 | 683 | 189 | 16 | 516 |
| Jewelry, Plated | A. Vester | 216, 586 | June 17, 1879 | 663 | 189 | 15 | 986 |
| Jewelry, Relief | C. Fest | 222, 580 | Dec. 16, 1879 | 548 | 155 | 16 | 1103 |
| Joint: | | | | | | | |
| *See* Bracelet hinge-joint. Rail-joint. Carriage-top joint. Railway-rail joint. Faucet-joint. Rule-joint. Hinge-joint. Stove-pipe joint. Lap-joint. Timber-joint. Pipe-joint. Universal joint. Pitman-joint. | | | | | | | |
| Joint for solid and tubular connections | C. H. Jackson | 213, 754 | Apr. 1, 1879 | 26 | 9 | 15 | 476 |
| Joint for water and other pipes | J. Robbins | 221, 864 | Nov. 18, 1879 | 847 | 237 | 16 | 946 |
| Joint-holder | R. Gregg | 215, 348 | May 13, 1879 | 437 | 130 | 15 | 761 |
| Joint, valve, and trap protector for underground pipes, Accessible. | A. Harvey | 213, 653 | Mar. 25, 1879 | 1008 | 287 | 15 | 452 |
| Jointer and cutter, Combined | H. E. Wisner | 222, 113 | Nov. 25, 1879 | 1144 | 322 | 16 | 996 |
| Journal-bearing, Anti-friction | L. Rank | 212, 744 | Feb. 25, 1879 | 1075 | 299 | 15 | 280 |
| Journal-bearing, Car-axle | G. R. Meneely | 216, 285 | June 10, 1879 | 316 | 94 | 15 | 932 |
| Journal-box | J. E. Defreest | 212, 665 | Feb. 25, 1879 | 996 | 276 | 15 | 269 |
| Journal-box | S. C. Ellis | 219, 851 | Sept. 23, 1879 | 917 | 253 | 16 | 557 |
| Journal-box | F. Stedman | 221, 121 | Oct. 28, 1879 | 1066 | 282 | 16 | 801 |
| Journal-box, Anti-friction | S. P. M. Tasker | 217, 248 | July 8, 1879 | 368 | 108, 109 | 16 | 59 |
| Journal-box for shafts of stone-crushers | J. F. Wood | 218, 847 | Aug. 26, 1879 | 888 | 249 | 16 | 369 |
| Journal-box lubricator | C. H. Leonard and W. B. Hick | 217, 884 | July 29, 1879 | 1103 | 316 | 16 | 182 |
| Journal, Car-axle | D. Devlin | 221, 040 | Oct. 28, 1879 | 987 | 261 | 16 | 791 |
| Journal, Car-wheel | B. Hinkley | 220, 921 | Oct. 28, 1879 | 835 | 223 | 16 | 771 |
| Journal-cooler for railway-cars | R. C. Norris | 217, 544 | July 15, 1879 | 695 | 198 | 16 | 113 |
| Journal-cooling attachment for railway-cars | C. E. Austin | 219, 198 | Sept. 2, 1879 | 153 | 46 | 16 | 432 |
| Journal, Lubricating | F. B. Torrey | 215, 696 | May 20, 1879 | 833 | 243 | 15 | 823 |
| Journals from heating, Device for preventing | J. Dempsey | 220, 061 | Sept. 30, 1879 | 1169 | 322 | 16 | 600 |
| Journals, Machine for dressing the bearing-caps of railway-carriage. | J. N. Smith | 212, 754 | Feb. 25, 1879 | 1087 | 302 | 15 | 282 |
| Journals of railway-car axles, Machine for dressing. | J. N. Smith | 212, 753 | Feb. 25, 1879 | 1085 | 301 | 15 | 282 |
| Jug, Stone | S. A. Conrad | 222, 671 | Dec. 16, 1879 | 662 | 190 | 16 | 1119 |
| Jugs, &c., Attaching tops to molasses | A. A. Adams | 218, 359 | Aug. 12, 1879 | 295 | 81 | 16 | 271 |
| Keg-trussing machine | E. and B. Holmes | 212, 381 | Feb. 18, 1879 | 648 | 181, 182 | 15 | 215 |
| Kettle | G. W. Fisher | 221, 294 | Nov. 4, 1879 | 168 | 46 | 16 | 836 |
| Kettle | H. C. McLean | 212, 483 | Feb. 18, 1879 | 778 | 215 | 15 | 232 |
| Kettle, Stewing | C. and F. Halstead | 211, 845 | Feb. 4, 1879 | 22 | 8 | 15 | 129 |
| Key: | | | | | | | |
| *See* Clock-key. Watch-key. Telegraph-key. Watch and clock key. | | | | | | | |
| Key-board instruments, Self-playing attachment for. | E. F. O'Neill | 215, 155 | May 6, 1879 | 202 | 58 | 15 | 727 |
| Key-board, Transposing | A. J. Stafford | 217, 422 | July 8, 1879 | 549 | 157 | 16 | 81 |
| Key-box, Safety | F. Imhaeuser | 212, 006 | Feb. 4, 1879 | 208 | 59 | 15 | 152 |
| Key-box, Safety | F. Imhaeuser | 221, 823 | Nov. 18, 1879 | 801 | 223 | 16 | 939 |
| Key-fastener | D. E. Dopp and L. C. Walters | 212, 543 | Feb. 25, 1879 | 868 | 240 | 15 | 253 |

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|---|---|---|---|---|---|---|---|
| Key-fastener | W. Metcalf | 217, 231 | July 8, 1879 | 353 | 104 | 16 | 57 |
| Key-fastener | A. E. Peck | 213, 590 | Mar. 25, 1879 | 941 | 267 | 15 | 442 |
| Key-ring | J. W. Jochim | 219, 952 | Sept. 23, 1879 | 1029 | 286 | 16 | 573 |
| Key-ring | G. W. Jepson | 221, 571 | Nov. 11, 1879 | 511 | 139 | 16 | 892 |
| Key-seats, Machine for cutting | W. W. Trevor | 221, 480 | Nov. 11, 1879 | 401 | 109, 110 | 16 | 876 |
| Kiln: | | | | | | | |
| *See* Brick-kiln. Lime-kiln. Drying-kiln. Lime and cement kiln. Hop-drying kiln. Steam and hot-air kiln. | | | | | | | |
| Kiln for boiling and calcining gypsum | W. H. Merritt | 221, 689 | Nov. 18, 1879 | 638 | 178 | 16 | 918 |
| Kiln for calcining limestone, plaster, &c | F. F. Tatro | 216, 066 | June 3, 1879 | 66 | 18 | 15 | 893 |
| Kiln for carbonizing street-refuse | A. Fryer | 213, 409 | Mar. 18, 1879 | 743 | 209 | 15 | 409 |
| King-bolt, Clip | G. E. Kerlicks | 217, 799 | July 22, 1879 | 992 | 284 | 16 | 161 |
| King-bolt, Clip | L. Pentz | 221, 184 | Nov. 4, 1879 | 50 | 14 | 16 | 819 |
| King-bolt, Clip | H. K. Porter | 220, 495 | Oct. 14, 1879 | 326 | 86 | 16 | 687 |
| Kitchen-boiler | L. S. White | 220, 782 | Oct. 21, 1879 | 675 | 179 | 16 | 740 |
| Kitchen-boilers. Attachment for | L. Brandeis | 220, 517 | Oct. 14, 1879 | 351 | 93 | 16 | 691 |
| Kitchen-cabinet | C. A. Adams | 212, 343 | Feb. 18, 1879 | 608 | 171 | 15 | 209 |
| Kitchen-cabinet | J. R. Kivett | 217, 694 | July 22, 1879 | 886 | 252 | 16 | 146 |
| Kitchen-cabinet | C. Romine | 215, 165 | May 6, 1879 | 210 | 61 | 15 | 728 |
| Kitchen or bath boiler | R. Wells | 217, 181 | July 1, 1879 | 278 | 82 | 16 | 39 |
| Kitchen utensil, Combined | P. E. Bird | 215, 316 | May 13, 1879 | 409 | 121 | 15 | 757 |
| Kneader, Dough | S. L. Dows and W. N. Berkeley | 214, 374 | Apr. 15, 1879 | 778 | 219 | 15 | 588 |
| Kneader, Dough | O. W. Robins | 220, 731 | Oct. 21, 1879 | 608 | 162 | 16 | 733 |
| Kneader, Dough | J. W. and A. Ruger | 221, 364 | Nov. 4, 1879 | 253 | 68 | 16 | 847 |
| Kneading dough and working butter, Device for | H. A. Rideout | 218, 578 | Aug. 12, 1879 | 543 | 153 | 16 | 305 |
| Kneading machine, Dough | S. H. Whittlesey | 219, 838 | Sept. 23, 1879 | 905 | 250 | 16 | 555 |
| Knee-protector | T. Masac | 211, 171 | Jan. 7, 1879 | 100 | 31 | 15 | 14 |
| Knife: | | | | | | | |
| *See* Bench-knife. Pocket-knife. Honey-knife. Table-knife. | | | | | | | |
| Knife-board | A. M. Ward | 214, 733 | Apr. 22, 1879 | 1185 | 333 | 15 | 648 |
| Knife, compass, &c., Combined | C. F. Leimer and L. W. Kempf | 219, 741 | Sept. 16, 1879 | 782 | 215 | 16 | 530 |
| Knife for cutting hay and cane | H. Fisher | 220, 469 | Oct. 14, 1879 | 295 | 79 | 16 | 684 |
| Knife-grinding machine | L. H. Stellmann | 215, 025 | May 6, 1879 | 46 | 14 | 15 | 708 |
| Knit fabric for mattresses, &c | M. Townsend | 222, 752 | Dec. 16, 1879 | 740 | 212, 213 | 16 | 1131 |
| Knit fabric, Tubular | B. L. Stowe | 222, 327 | Dec. 2, 1879 | 235 | 63, 64 | 16 | 1041 |
| Knit jacket | B. Wechsler | 212, 580 | Feb. 25, 1879 | 912 | 252 | 15 | 258 |
| Knit mittens, Manufacturing | E. H. Pearson | 221, 351 | Nov. 4, 1879 | 240 | 65 | 16 | 845 |
| Knit vest or jacket for female wear | J. Cave | 213, 808 | Apr. 1, 1879 | 84 | 27 | 15 | 483 |
| Knitted hood | F. W. Henson | 216, 402 | June 10, 1879 | 453 | 129 | 15 | 949 |
| Knitted work, Transferring mechanism for | B. F. Shaw | 218, 459 | Aug. 12, 1879 | 410 | 113 | 16 | 286 |
| Knitting-frame take-up | W. H. Carr | 216, 655 | June 17, 1879 | 732 | 210 | 15 | 996 |
| Knitting-machine | W. Aiken | 216, 125 | June 3, 1879 | 124 | 37 | 15 | 900 |
| Knitting-machine | J. L. Branson | 214, 989 | May 6, 1879 | 9 | 4 | 15 | 704 |
| Knitting-machine | J. Dow | 212, 202 | Feb. 11, 1879 | 444 | 122 | 15 | 185 |
| Knitting-machine | S. V. Essick, J. W. Clapp, and W. G. Tillon. | 217, 354 | July 8, 1879 | 479 | 139, 140 | 16 | 73 |
| Knitting-machine | H. Güenther | 217, 530 | July 15, 1879 | 680 | 194 | 16 | 111 |
| Knitting-machine | M. Hitchcock | 222, 401 | Dec. 9, 1879 | 320 | 90, 91 | 16 | 1063 |
| Knitting-machine | W. D. Huse | 220, 924 | Oct. 28, 1879 | 838 | 224, 225 | 16 | 771 |
| Knitting-machine | W. H. and G. D. Mayo | 214, 678 | Apr. 22, 1879 | 1125 | 315, 316 | 15 | 640 |
| Knitting-machine | J. Nelson | 214, 308 | Apr. 15, 1879 | 692 | 194, 195, 196, 197 | 15 | 578 |
| Knitting-machine | J. Nelson | 214, 309 | Apr. 15, 1879 | 702 | 197 | 15 | 579 |
| Knitting-machine | J. A. Parr | 213, 299 | Mar. 18, 1879 | 633 | 178 | 15 | 394 |
| Knitting-machine | W. H. Pepper | 214, 522 | Apr. 22, 1879 | 963 | 270, 271 | 15 | 619 |
| Knitting-machine | C. A. Roscher | 218, 318 | Aug. 5, 1879 | 233 | 63 | 16 | 252 |
| Knitting-machine | B. F. Shaw | 218, 458 | Aug. 12, 1879 | 403 | 111, 112, 113 | 16 | 285 |
| Knitting-machine | E. Tiffany | 213, 956 | Apr. 1, 1879 | 235 | 69, 70 | 15 | 503 |
| Knitting-machine and tubular knit fabric | R. F. M. Chase | 219, 619 | Sept. 16, 1879 | 645 | 179 | 16 | 511 |
| Knitting-machine burr | A. J. Root and G. Jackson | 211, 791 | Jan. 28, 1879 | 851 | 238 | 15 | 116 |
| Knitting-machine cam | J. F. Smith and C. Lehmann | 214, 722 | Apr. 22, 1879 | 1172 | 330 | 15 | 646 |
| Knitting-machine needle | S. Peberdy | 219, 012 | Aug. 26, 1879 | 1065 | 300 | 16 | 394 |
| Knitting-machine needles, Machine for making latches for. | B. C. Stevens | 221, 003 | Oct. 28, 1879 | 944 | 252 | 16 | 785 |
| Knitting-machine needles, Machine for making the shanks of. | B. C. Stevens | 221, 002 | Oct. 28, 1879 | 942 | 251, 252 | 16 | 785 |
| Knitting-machine presser-wheel | J. F. Gordon | 219, 855 | Sept. 23, 1879 | 920 | 254 | 16 | 558 |
| Knitting machine, Straight | W. Aiken | 214, 743 | Apr. 29, 1879 | 1209 | 339, 340 | 15 | 659 |
| Knitting machine, Straight | W. Aiken | 217, 569 | July 15, 1879 | 725 | 207 | 16 | 116 |
| Knitting machine, Straight | C. H. Young | 222, 619 | Dec. 16, 1879 | 597 | 170 | 16 | 1109 |
| Knitting machines, Feeding attachment for circular. | F. A. Byram and J. Fox | 217, 581 | July 15, 1879 | 737 | 210 | 16 | 118 |
| Knitting-machines, Knocking-over bit for | W. D. Ormsby | 215, 963 | May 27, 1879 | 1135 | 329 | 15 | 870 |
| Knitting-machines, Loop-wheel for | J. Bradley | 211, 831 | Feb. 4, 1879 | 3 | 1 | 15 | 127 |
| Knitting machines, Sinker and yarn-carrier mechanism for straight. | W. Aiken | 214, 744 | Apr. 29, 1879 | 1211 | 340 | 15 | 659 |
| Knitting-machines, Web-holding mechanism for | B. F. Shaw | 218, 460 | Aug. 12, 1879 | 412 | 113 | 16 | 286 |
| Knitting tubular fabrics, Machine for | B. L. Stowe | 221, 628 | Nov. 11, 1879 | 563 | 155, 156, 157 | 16 | 900 |
| Knob alarm, Door | A. P. Silva | 219, 314 | Sept. 2, 1879 | 295 | 83 | 16 | 449 |
| Knob attachment | J. J. Dinnan | 222, 817 | Dec. 23, 1879 | 824 | 236 | 16 | 1153 |
| Knob attachment | J. C. Hacker | 214, 561 | Apr. 22, 1879 | 1002 | 282 | 15 | 624 |
| Knob attachment | O. Stoddard | 222, 096 | Nov. 25, 1879 | 1128 | 317 | 16 | 993 |

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|---|---|---|---|---|---|---|---|
| Knob attachment, Door | D. and T. Morris | 216,098 | June 3, 1879 | 96 | 28 | 15 | 897 |
| Knob, Door | H. Tucker | 212,161 | Feb. 11, 1879 | 392 | 107 | 15 | 178 |
| Knob, Door | H. Tucker | 212,162 | Feb. 11, 1879 | 392 | 107 | 15 | 178 |
| Knob, Sheet-metal | H. A. Matthews | 212,562 | Mar. 4, 1879 | 225 | 62 | 15 | 325 |
| Knobs, Manufacture of door | W. S. Dackus | 222,251 | Dec. 2, 1879 | 158 | 41 | 16 | 1030 |
| Knock-down chair | W. W. Hopkins | 213,111 | Mar. 11, 1879 | 414 | 114 | 15 | 358 |
| L. | | | | | | | |
| Label-holder | J. B. Gathright | 214,770 | Apr. 29, 1879 | 1241 | 348 | 15 | 663 |
| Label-holder | W. G. Morton | 220,166 | Sept. 30, 1879 | 1286 | 353 | 16 | 616 |
| Label-holder for locks | M. Mohr | 211,250 | Jan. 7, 1879 | 186 | 54 | 15 | 24 |
| Labels, Applying powdered paste to | S. Crump | 217,994 | July 29, 1879 | 1219 | ..... | 16 | 197 |
| Labels, pictures, &c., Machine for varnishing, gumming, and sizing. | J. T. Turner | 215,845 | May 27, 1879 | 1012 | 295 | 15 | 854 |
| Lace-purling | A. G. and W. P. Jennings | 218,032 | July 29, 1879 | 1264 | 361 | 16 | 203 |
| Laces, &c., Show-box for | M. H. Pulaski | 218,134 | Aug. 5, 1879 | 30 | 9 | 16 | 225 |
| Lacing-hook | J. Briggs | 222,449 | Dec. 9, 1879 | 375 | 106 | 16 | 1070 |
| Lacing-hooks, Setting instrument for attaching | E. Maynz | 217,018 | July 1, 1879 | 98 | 29 | 16 | 15 |
| Ladder and ironing-table, Combined step | H. C. and E. L. Shanahan | 215,171 | May 6, 1879 | 216 | 63 | 15 | 729 |
| Ladder and trestle, Combined | T. Mikeal | 215,234 | May 13, 1879 | 303 | 89 | 15 | 744 |
| Ladder, Combination | W. C. Phillips | 212,050 | Feb. 4, 1879 | 263 | 72 | 15 | 159 |
| Ladder, Combined step and extension | J. Hill | 218,742 | Aug. 19, 1879 | 735 | 209 | 16 | 340 |
| Ladder, Extension | O. Marshall | 219,749 | Sept. 16, 1879 | 788 | 217, 218 | 16 | 530 |
| Ladder, Fruit | C. Parkinson | 221,857 | Nov. 18, 1879 | 841 | 235 | 16 | 945 |
| Ladder-hook, Adjustable | D. P. Foster | 215,729 | May 27, 1879 | 879 | 256 | 15 | 837 |
| Ladder, Platform | A. J. Andrews | 215,712 | May 27, 1879 | 859 | 252 | 15 | 835 |
| Ladder, Portable | S. Secrest | 220,310 | Oct. 7, 1879 | 115 | 30, 31 | 16 | 650 |
| Ladder, Step | E. M. Benjamin | 211,546 | Jan. 21, 1879 | 548 | 155 | 15 | 73 |
| Ladder, Step | L. B. Covert | 220,128 | Sept. 30, 1879 | 1244 | 342 | 16 | 610 |
| Ladder, Step | F. Dyer | 214,377 | Apr. 15, 1879 | 781 | 220 | 15 | 589 |
| Ladder, Step | J. A. Kellogg | 217,539 | July 15, 1879 | 690 | 197 | 16 | 112 |
| Ladder-step, Adjustable | A. D. Clark | 221,780 | Nov. 18, 1879 | 738 | 206 | 16 | 932 |
| Ladder-step, Portable | S. Ellicott | 211,389 | Jan. 14, 1879 | 373 | 107 | 15 | 48 |
| Ladders, Portable platform for fire and other | M. Cronin | 213,741 | Apr. 1, 1879 | 12 | 4 | 15 | 474 |
| Ladle for pouring metals | F. Shickle | 216,354 | June 10, 1879 | 399 | 114 | 15 | 942 |
| Lamp | R. Abbatt, jr | 217,502 | July 15, 1879 | 651 | 185 | 16 | 106 |
| Lamp | Z. B. Adams | 214,016 | Apr. 8, 1879 | 328 | 94 | 15 | 523 |
| Lamp | A. H. Aikman and G. K. Osborn | 221,263 | Nov. 4, 1879 | 134 | 37 | 16 | 831 |
| Lamp | L. J. Atwood | 220,049 | Sept. 30, 1879 | 1154 | 318 | 16 | 597 |
| Lamp | H. H. Barnard and G. V. Hanna | 220,788 | Oct. 21, 1879 | 682 | 180, 181 | 16 | 741 |
| Lamp | E. Blackman | 215,867 | May 27, 1879 | 1035 | 302 | 15 | 857 |
| Lamp | C. F. Burnap and T. Cope | 216,652 | June 17, 1879 | 730 | 208 | 15 | 995 |
| Lamp | R. H. Chase | 211,223 | Jan. 7, 1879 | 161 | 48 | 15 | 22 |
| Lamp | P. J. Clark and J. Kintz | 213,620 | Mar. 25, 1879 | 974 | 276 | 15 | 447 |
| Lamp | E. S. Drake | 219,627 | Sept. 16, 1879 | 658 | 183 | 16 | 513 |
| Lamp | E. S. Drake | 220,706 | Oct. 21, 1879 | 580 | 154 | 16 | 729 |
| Lamp | E. S. Drake | 220,707 | Oct. 21, 1879 | 581 | 155 | 16 | 729 |
| Lamp | J. Gallinger | 218,727 | Aug. 19, 1879 | 719 | 205 | 16 | 337 |
| Lamp | C. Geige | 220,370 | Oct. 7, 1879 | 180 | 47, 48 | 16 | 659 |
| Lamp | T. G. Goodfellow | 221,052 | Oct. 28, 1879 | 1000 | 265 | 16 | 792 |
| Lamp | H. F. Hildebrand and G. W. Cain | 211,658 | Jan. 28, 1879 | 699 | 196 | 15 | 96 |
| Lamp | J. H. Irwin | 212,470 | Feb. 18, 1879 | 765 | 212 | 15 | 230 |
| Lamp | J. H. Irwin | 212,603 | Feb. 25, 1879 | 636 | 259 | 15 | 261 |
| Lamp | W. M. Jackson | 211,850 | Feb. 4, 1879 | 36 | 11 | 15 | 131 |
| Lamp | C. Johnston | 217,947 | July 29, 1879 | 1171 | 335 | 16 | 191 |
| Lamp | J. M. Kelly | 214,044 | Apr. 8, 1879 | 364 | 103 | 15 | 527 |
| Lamp | W. O. Lincoln | 221,078 | Oct. 28, 1879 | 1023 | 272 | 16 | 796 |
| Lamp | D. Lubin | 213,052 | Mar. 11, 1879 | 337 | 95 | 15 | 349 |
| Lamp | A. Müller | 217,895 | July 29, 1879 | 1113 | 319 | 16 | 184 |
| Lamp | J. W. Ogden | 212,733 | Feb. 25, 1879 | 1064 | 295 | 15 | 279 |
| Lamp | L. Raphael | 217,239 | July 8, 1879 | 359 | 106 | 16 | 58 |
| Lamp | F. Rhind | 211,931 | Feb. 4, 1879 | 121 | 35 | 15 | 141 |
| Lamp | A. Rincklake | 222,737 | Dec. 16, 1879 | 726 | 208 | 16 | 1129 |
| Lamp | R. Sarre | 211,793 | Jan. 28, 1879 | 853 | 238 | 15 | 116 |
| Lamp | W. H. Smith | 221,476 | Nov. 11, 1879 | 396 | 108 | 16 | 875 |
| Lamp | J. P. Smithers | 220,881 | Oct. 21, 1879 | 779 | 208 | 16 | 755 |
| Lamp | C. F. Spencer | 213,951 | Apr. 1, 1879 | 230 | 67 | 15 | 502 |
| Lamp | C. F. Spencer | 218,406 | Aug. 12, 1879 | 341 | 94 | 16 | 277 |
| Lamp | C. F. Spencer | 220,884 | Oct. 21, 1879 | 782 | 208, 209 | 16 | 755 |
| Lamp | W. Stachlen | 219,659 | Sept. 16, 1879 | 695 | 193 | 16 | 518 |
| Lamp | W. Stachlen | 219,660 | Sept. 16, 1879 | 696 | 193 | 16 | 518 |
| Lamp | W. H. H. Stineman | 215,688 | May 20, 1879 | 825 | 241 | 15 | 822 |
| Lamp | W. H. H. Stineman and D. H. Flack. | 213,141 | Mar. 11, 1879 | 449 | 124 | 15 | 362 |
| Lamp | E Stolpe | 220,315 | Oct. 7, 1879 | 121 | 33 | 16 | 651 |
| Lamp | F. A. Taber | 214,470 | Apr. 15, 1879 | 874 | 246 | 15 | 601 |
| Lamp and reflector support | G. Bohner | 214,483 | Apr. 22, 1879 | 904 | 255 | 15 | 613 |
| Lamp attachment | L. W. Peck | 215,964 | May 27, 1879 | 1135 | 329 | 15 | 870 |
| Lamp attachment, Street | G. M. Taylor | 221,877 | Nov. 18, 1879 | 859 | 240 | 16 | 947 |
| Lamp-black, Apparatus for the manufacture of | P. Neff | 221,417 | Nov. 11, 1879 | 326 | 89 | 16 | 866 |
| Lamp-black, Apparatus for the manufacture of | H. B. Winslow | 222,337 | Dec. 2, 1879 | 247 | 67 | 16 | 1043 |
| Lamp-bracket | H. R. Mills | 215,955 | May 27, 1879 | 1128 | 327 | 15 | 869 |
| Lamp-burner | G. A. Beeman and H. S. Ramsey | 214,353 | Apr. 15, 1879 | 753 | 210 | 15 | 585 |
| Lamp-burner | J. G. Hallas | 211,154 | Jan. 7, 1879 | 86 | 26 | 15 | 12 |
| Lamp-burner | S. F. Hawley | 214,774 | Apr. 29, 1879 | 1244 | 349 | 15 | 663 |
| Lamp-burner | R. Hoadley | 211,736 | Jan. 28, 1879 | 786 | 221 | 15 | 107 |
| Lamp-burner | S. S. Mann | 211,761 | Jan. 28, 1879 | 812 | 228 | 15 | 111 |
| Lamp-burner | S. S. Mann | 212,562 | Feb. 25, 1879 | 889 | 246 | 15 | 255 |
| Lamp-burner | W. C. McCormack | 218,043 | July 29, 1879 | 1275 | 364 | 16 | 204 |
| Lamp-burner | G. K. Osborn | 220,725 | Oct. 21, 1879 | 602 | 161 | 16 | 732 |
| Lamp-burner | R. B. Paine | 220,253 | Oct. 7, 1879 | 49 | 13 | 16 | 611 |

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| Lamp-burner | E. B. Requa | 212,401 | Feb. 18, 1879 | 671 | 188 | 15 | 218 |
| Lamp-burner | E. B. Requa | 219,766 | Sept. 16, 1879 | 805 | 222, 223 | 16 | 533 |
| Lamp-burner | T. Rowatt, jr. | 211,185 | Jan. 7, 1879 | 114 | 36 | 15 | 16 |
| Lamp-burner | D. Seawright | 211,597 | Jan. 21, 1879 | 611 | 173 | 15 | 81 |
| Lamp-burner | J. T. Shuster | 214,960 | Apr. 29, 1879 | 1445 | 402 | 15 | 689 |
| Lamp-burner | J. A. Talpey | 211,195 | Jan. 7, 1879 | 130 | 40 | 15 | 18 |
| Lamp-burner | J. Trent | 216,542 | June 17, 1879 | 611 | 174 | 15 | 979 |
| Lamp-burner | C. Treptow | 220,316 | Oct. 7, 1879 | 122 | 33 | 16 | 651 |
| Lamp-burner | M. B. Wharton | 211,484 | Jan. 21, 1879 | 478 | 135 | 15 | 64 |
| Lamp-burner cone | J. Trent | 216,540 | June 17, 1879 | 610 | 173 | 15 | 979 |
| Lamp-burners, Safety-valve for | R. Wetherill | 211,284 | Jan. 7, 1879 | 227 | 66 | 15 | 30 |
| Lamp, Car | C. Gordon | 219,636 | Sept. 16, 1879 | 669 | 186 | 16 | 515 |
| Lamp, Car | W. H. Smith | 221,477 | Nov. 11, 1879 | 397 | 109 | 16 | 875 |
| Lamp, Carriage | F. C. Cannon | 214,277 | Apr. 15, 1879 | 658 | 183 | 15 | 573 |
| Lamp-chimney | C. L. and C. Bartholomew | 215,785 | May 27, 1879 | 936 | 275 | 15 | 846 |
| Lamp-chimney | J. A. Greenfield and C. H. Fry, jr. | 219,716 | Sept. 16, 1879 | 757 | 209 | 16 | 526 |
| Lamp-chimney | C. E. Kellogg | 217,290 | July 8, 1879 | 409 | 121 | 16 | 64 |
| Lamp chimney and reflector, Combined | E. Rosenzi | 217,964 | July 29, 1879 | 1123 | 322 | 16 | 185 |
| Lamp-chimney, Globe | J. H. White | 216,007 | May 27, 1879 | 1171 | 340 | 15 | 875 |
| Lamp chimney or globe protector | C. E. Willis | 212,776 | Feb. 25, 1879 | 1116 | 310 | 15 | 286 |
| Lamp-chimneys, &c., Machine for flaring and crimping. | R. Hemingray | 212,850 | Mar. 4, 1879 | 78 | 23 | 15 | 308 |
| Lamp, Christmas-tree | F. Sibley | 217,908 | July 29, 1879 | 1128 | 323 | 16 | 185 |
| Lamp, Cigar | L. J. Atwood | 219,136 | Sept. 2, 1879 | 89 | 27 | 16 | 424 |
| Lamp-collar | R. D. Haines | 217,095 | July 1, 1879 | 193 | 55 | 16 | 27 |
| Lamp, Electric | C. F. Brush | 219,208 | Sept. 2, 1879 | 162 | 49 | 16 | 433 |
| Lamp, Electric | C. F. Brush | 219,209 | Sept. 2, 1879 | 166 | 50 | 16 | 434 |
| Lamp, Electric | J. B. Fuller | 218,375 | Aug. 12, 1879 | 311 | 85 | 16 | 273 |
| Lamp, Electric | N. B. Gantt | 218,958 | Aug. 26, 1879 | 1005 | 283 | 16 | 387 |
| Lamp, Electric | W. Gilman | 215,910 | May 27, 1879 | 1081 | 314 | 15 | 863 |
| Lamp, Electric | J. C. Jamin | 218,749 | Aug. 19, 1879 | 742 | 211 | 16 | 340 |
| Lamp, Electric | R. A. Kipling | 222,503 | Dec. 9, 1879 | 443 | 127 | 16 | 1079 |
| Lamp, Electric | W. F. McCarty | 220,982 | Oct. 28, 1879 | 915 | 244 | 16 | 781 |
| Lamp, Electric | D. Pendleton | 220,728 | Oct. 21, 1879 | 606 | 162 | 16 | 732 |
| Lamp, Electric | J. C. Porter | 217,744 | July 22, 1879 | 936 | 269 | 16 | 154 |
| Lamp, Electric | W. E. Sawyer | 219,771 | Sept. 16, 1879 | 812 | 224, 225 | 16 | 534 |
| Lamp, Extension | L. Hornberger | 220,535 | Oct. 14, 1879 | 374 | 97 | 16 | 693 |
| Lamp-extension device | D. Whiteford | 216,072 | June 3, 1879 | 71 | 20 | 15 | 894 |
| Lamp-extinguisher | C. B. Pedlar | 217,816 | July 22, 1879 | 1012 | 290 | 16 | 164 |
| Lamp-extinguisher, Automatic | R. H. Frazee, H. L. Fisher, and A. J. Hassell. | 211,902 | Feb. 4, 1879 | 89 | 26 | 15 | 137 |
| Lamp-fixture, Extension | F. R. Seidensticker | 213,457 | Mar. 18, 1879 | 786 | 222 | 15 | 416 |
| Lamp for burning paraffine or mineral oils | W. C. Hughes | 212,003 | Feb. 4, 1879 | 203 | 58 | 15 | 152 |
| Lamp, Fountain | C. Stockmann | 212,522 | Feb. 18, 1879 | 830 | 230 | 15 | 239 |
| Lamp, Gas | P. P. Timofeeff | 217,432 | July 8, 1879 | 562 | 161 | 16 | 83 |
| Lamp-globe | H. E. Butler | 214,238 | Apr. 15, 1879 | 608 | 173 | 15 | 566 |
| Lamp-globe cap | H. H. Hulburt | 222,189 | Dec. 2, 1879 | 83 | 20 | 16 | 1018 |
| Lamp-globe cap | J. J. Nichols and H. C. Alexander. | 212,619 | Feb. 25, 1879 | 953 | 263 | 15 | 264 |
| Lamp, Hanging | P. J. Clark and J. Kintz | 213,389 | Mar. 18, 1879 | 722 | 202 | 15 | 407 |
| Lamp-heater | T. A. Kellett | 217,228 | July 8, 1879 | 350 | 104 | 16 | 57 |
| Lamp-heating attachment | H. S. Fifield | 218,950 | Aug. 26, 1879 | 998 | 280 | 16 | 386 |
| Lamp-holder | C. S. Westland | 221,709 | Nov. 18, 1879 | 664 | 185 | 16 | 921 |
| Lamp, Marine signal | P. J. Dennis | 221,538 | Nov. 11, 1879 | 471 | 129 | 16 | 886 |
| Lamp, Miner's | J. O. Davies, J. O. Jones, and T. Thomas. | 220,582 | Oct. 14, 1879 | 438 | 113 | 16 | 701 |
| Lamp, Miner's | J. Fleming | 219,352 | Sept. 9, 1879 | 347 | 99 | 16 | 464 |
| Lamp, Miner's | J. H. Gable | 217,791 | July 22, 1879 | 985 | 282 | 16 | 160 |
| Lamp-reflector holder | F. A. Dunning | 218,369 | Aug. 12, 1879 | 305 | 83 | 16 | 272 |
| Lamp regulator, Electric | E. J. Houston and E. Thomson | 220,287 | Oct. 7, 1879 | 85 | 23 | 16 | 646 |
| Lamp regulator, Electric | E. Thomson and E. J. Houston | 220,508 | Oct. 14, 1879 | 346 | 90 | 16 | 689 |
| Lamp-shade | P. K. Guild | 215,816 | May 27, 1879 | 974 | 285 | 15 | 850 |
| Lamp-shade holder | G. W. Brown and A. Taplin | 212,437 | Feb. 18, 1879 | 720 | 199 | 15 | 225 |
| Lamp-shade holder | H. D. Stanley | 216,905 | June 24, 1879 | 1031 | 293 | 15 | 1044 |
| Lamp-stand | J. Robison, sr | 218,579 | Aug. 12, 1879 | 544 | 153 | 16 | 305 |
| Lamp, Street | G. D. Burton | 214,021 | Apr. 8, 1879 | 333 | 95 | 15 | 524 |
| Lamp, Street | J. Irwin | 214,394 | Apr. 15, 1879 | 890 | 224 | 15 | 591 |
| Lamp, Street | J. Stewart | 212,410 | Feb. 18, 1879 | 681 | 190 | 15 | 220 |
| Lamp, Student | H. L. Coe | 215,506 | May 20, 1879 | 626 | 183 | 15 | 796 |
| Lamp, Suspension | E. L. Bryant | 218,228 | Aug. 5, 1879 | 139 | 38 | 16 | 239 |
| Lamp, Tubular | L. F. Betts | 218,917 | Aug. 26, 1879 | 965 | 271 | 16 | 381 |
| Lamp, Vapor | J. S. Kellogg | 219,737 | Sept. 16, 1879 | 779 | 214 | 16 | 529 |
| Lamp-wick | G. Beck | 214,085 | Apr. 8, 1879 | 429 | 121 | 15 | 534 |
| Lamp-wick | H. Halvorson | 212,309 | Feb. 18, 1879 | 564 | 158 | 15 | 204 |
| Lamp-wick adjuster | G. H. Hyde | 211,160 | Jan. 7, 1879 | 91 | 29 | 15 | 13 |
| Lamps and gas-burners, Shade-holder for | W. O. Lincoln | 211,412 | Jan. 14, 1879 | 394 | 113 | 15 | 51 |
| Lamps, Carbon float for electric | E. J. Molera and J. C. Cebrian | 214,516 | Apr. 22, 1879 | 958 | 269 | 15 | 619 |
| Lamps, Carbon for electric | C. F. Brush | 219,210 | Sept. 2, 1879 | 170 | 51 | 16 | 434 |
| Lamps, Drip-dish for | P. J. Clark and J. Kintz | 214,365 | Apr. 15, 1879 | 767 | 214 | 15 | 586 |
| Lamps, Manufacturing glasses for street and other. | W. P. Butler | 216,830 | June 24, 1879 | 951 | 271 | 15 | 1033 |
| Lamps, Regulating device for electric | C. F. Brush | 219,213 | Sept. 2, 1879 | 175 | 52, 53 | 16 | 434 |
| Lamps, Reservoir for student | C. F. A. Hinrichs | 214,134 | Apr. 8, 1879 | 479 | 136 | 15 | 540 |
| Lamps with oil, Supplying street | H. S. Belden | 222,856 | Dec. 23, 1879 | 872 | 251 | 16 | 1159 |
| Lance, Bomb | J. A. Brand | 222,003 | Nov. 25, 1879 | 1019 | 286 | 16 | 978 |
| Land-roller and clod-crusher, Combined | S. J. Fisher | 223,125 | Dec. 30, 1879 | 1186 | 335 | 16 | 1214 |
| Land-roller and harrow, Combined | W. R. Smith | 220,184 | Sept. 30, 1879 | 1308 | 361 | 16 | 620 |
| Land roller and pulverizer | G. W. Albaugh | 214,802 | Apr. 29, 1879 | 1281 | 358 | 15 | 668 |
| Lands, Reclaiming low | G. Howell | 221,821 | Nov. 18, 1879 | 799 | 222 | 16 | 939 |
| Lands, Reclaiming low | G. Howell | 221,822 | Nov. 18, 1879 | 800 | 223 | 16 | 939 |
| Lantern | E. F. Cash and A. L. Baron | 222,663 | Dec. 16, 1879 | 651 | 187 | 16 | 1118 |
| Lantern | P. J. Clark | 213,388 | Mar. 18, 1879 | 722 | 202 | 15 | 407 |
| Lantern | H. L. Coe | 211,320 | Jan. 14, 1879 | 297 | 88 | 15 | 39 |
| Lantern | P. V. Coogan | 213,627 | Mar. 25, 1879 | 981 | 278 | 15 | 448 |
| Lantern | F. J. Dennis | 219,449 | Sept. 9, 1879 | 456 | 127 | 16 | 473 |

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| Lantern | E. P. Follett | 214,379 | Apr. 15, 1879 | 783 | 220 | 15 | 589 |
| Lantern | J. Gillig | 215,449 | May 20, 1879 | 557 | 164 | 15 | 787 |
| Lantern | A. H. Greene | 213,650 | Mar. 25, 1879 | 1006 | 286 | 15 | 451 |
| Lantern | L. Henkle | 218,966 | Aug. 26, 1879 | 1013 | 285 | 16 | 387 |
| Lantern | L. Henkle | 221,409 | Nov. 11, 1879 | 318 | 87 | 16 | 865 |
| Lantern | H. Iden | 219,730 | Sept. 16, 1879 | 772 | 213 | 16 | 528 |
| Lantern | J. H. Irwin | 211,405 | Jan. 14, 1879 | 387 | 111 | 15 | 50 |
| Lantern | C. Johnston | 214,664 | Apr. 22, 1879 | 1111 | 311 | 15 | 638 |
| Lantern | W. E., J. F., and E. R. Mason | 222,145 | Dec. 2, 1879 | 33 | 9 | 16 | 1013 |
| Lantern | L. G. Massow | 215,012 | May 6, 1879 | 34 | 11 | 15 | 707 |
| Lantern | F. Meyrose | 214,576 | Apr. 22, 1879 | 1017 | 286 | 15 | 626 |
| Lantern | J. W. Orphy | 213,682 | Mar. 25, 1879 | 1042 | 296 | 15 | 456 |
| Lantern | W. Roush | 218,778 | Aug. 19, 1879 | 777 | 221 | 16 | 345 |
| Lantern | J. Trent | 216,541 | June 17, 1879 | 611 | 173 | 15 | 979 |
| Lantern, Carriage | C. J. Hoefoed | 211,915 | Feb. 4, 1879 | 107 | 31 | 15 | 139 |
| Lantern, Dissolving-view | H. Keevil | 221,573 | Nov. 11, 1879 | 512 | 140 | 16 | 892 |
| Lantern-guard | A. W. Paull | 221,698 | Nov. 18, 1879 | 647 | 181 | 16 | 919 |
| Lantern, Magic | H. Lefèvre | 220,078 | Sept. 30, 1879 | 1185 | 326 | 16 | 602 |
| Lantern, Magic | F. Rhind and F. S. Shirley | 217,150 | July 1, 1879 | 249 | 73, 74 | 16 | 34 |
| Lantern, Railway signal | D. W. F. De Grange | 213,812 | Apr. 1, 1879 | 91 | 28 | 15 | 484 |
| Lantern, Road | L. G. Macauley | 214,422 | Apr. 15, 1879 | 829 | 232 | 15 | 595 |
| Lantern, Signal | T. S. Easterbrook | 222,474 | Dec. 9, 1879 | 417 | 118 | 16 | 1075 |
| Lantern, Street | R. E. Dietz | 217,517 | July 15, 1879 | 666 | 190 | 16 | 109 |
| Lap-joint for boilers and other vessels | L. S. White | 213,480 | Mar. 18, 1879 | 806 | 228 | 15 | 418 |
| Lap or carriage robe | T. Goodall | 217,277 | July 8, 1879 | 398 | 117 | 16 | 63 |
| Lap-ring | E. Hancox | 219,465 | Sept. 9, 1879 | 474 | 131 | 16 | 480 |
| Lap-ring | M. R. McGregor | 217,631 | July 15, 1879 | 794 | 225 | 16 | 125 |
| Lap-table, work-box, and work-stand, Combined | M. Byrkit | 217,679 | July 22, 1879 | 870 | 248 | 16 | 144 |
| Lapping-machine | J. Stafford | 214,794 | Apr. 29, 1879 | 1271 | 355, 356 | 15 | 666 |
| Lard-cooler | P. Cudahy | 220,811 | Oct. 21, 1879 | 707 | 187 | 16 | 744 |
| Lard in large quantities, Transporting and delivering | J. Sears and W. H. Burnet | 214,009 | Apr. 8, 1879 | 316 | 91 | 15 | 522 |
| Lard mixing and cooling apparatus | C. J. Yergason | 219,423 | Sept. 9, 1879 | 432 | 120 | 16 | 474 |
| Last | G. W. Day | 214,114 | Apr. 8, 1879 | 457 | 129 | 15 | 537 |
| Last | J. Morrell | 219,753 | Sept. 16, 1879 | 792 | 219 | 16 | 531 |
| Last | G. M. Wells | 216,491 | June 10, 1879 | 547 | 156 | 15 | 962 |
| Last and standard | W. H. Lounsbury | 222,516 | Dec. 9, 1879 | 456 | 130 | 16 | 1080 |
| Last-blocks, Machine for sawing | J. McGregor and W. H. Kemper | 213,517 | Mar. 25, 1879 | 856 | 243, 244 | 15 | 432 |
| Last-maker's guide | J. Kimball | 212,852 | Mar. 4, 1879 | 80 | 24 | 15 | 308 |
| Last, Repairing | W. J. Crowley | 216,509 | June 17, 1879 | 577 | 165 | 15 | 975 |
| Lasting-machine | G. W. Copeland and E. Woodward. | 215,796 | May 27, 1879 | 949 | 278 | 15 | 847 |
| Lasting-machine | C. W. Glidden | 211,506 | Jan. 21, 1879 | 504 | 142, 143 | 15 | 68 |
| Lasting-machine | C. W. Glidden | 217,865 | July 29, 1879 | 1078 | 310 | 16 | 179 |
| Lasting-machine | R. C. Lambart | 216,685 | June 17, 1879 | 766 | 218, 219 | 15 | 1000 |
| Lasting-machine | S. E. Mower | 212,815 | Mar. 4, 1879 | 38 | 13 | 15 | 302 |
| Lasting-machine | J. S. Shailer and M. R. Ethridge | 216,765 | June 24, 1879 | 875 | 248 | 15 | 1024 |
| Lasting-machine | H. G. Thompson | 212,824 | Mar. 4, 1879 | 50 | 16 | 15 | 304 |
| Lasting-machine, Device for applying power from a rotating shaft to a. | E. Woodward and M. Brock | 213,857 | Apr. 1, 1879 | 137 | 40, 41 | 15 | 490 |
| Latch | P. H. Baker | 214,080 | Apr. 8, 1879 | 424 | 119 | 15 | 533 |
| Latch | C. C. Coleman | 223,113 | Dec. 30, 1879 | 1175 | 331 | 16 | 1212 |
| Latch | J. W. Day | 216,316 | June 10, 1879 | 349 | 102 | 15 | 936 |
| Latch | C. Doner | 219,077 | Sept. 2, 1879 | 23 | 7 | 16 | 415 |
| Latch | N. Holmes | 222,907 | Dec. 23, 1879 | 928 | 267 | 16 | 1168 |
| Latch | J., J. W., and W. K. Kaye | 219,485 | Sept. 9, 1879 | 493 | 137 | 16 | 483 |
| Latch | E. A. Kimball | 217,693 | July 22, 1879 | 886 | 252 | 16 | 146 |
| Latch | J. Kinzer | 211,853 | Feb. 4, 1879 | 38 | 12 | 15 | 131 |
| Latch | W. I. Ludlow | 212,956 | Mar. 4, 1879 | 216 | 61 | 15 | 324 |
| Latch | J. V. Morton | 218,048 | July 29, 1879 | 1278 | 365 | 16 | 205 |
| Latch | J. R. Payson | 217,140 | July 1, 1879 | 238 | 69 | 16 | 33 |
| Latch | J. R. Payson | 219,977 | Sept. 23, 1879 | 1055 | 292 | 16 | 576 |
| Latch | C. H. Smith | 216,904 | June 24, 1879 | 1029 | 293 | 15 | 1043 |
| Latch | C. E. Smith and C. E. French | 219,316 | Sept. 2, 1879 | 297 | 84 | 16 | 449 |
| Latch | H. R. Underhill | 220,318 | Oct. 7, 1879 | 123 | 34 | 16 | 652 |
| Latch | A. Wimmer | 221,261 | Nov. 4, 1879 | 133 | 36 | 16 | 831 |
| Latch and lock, Combined | H. H. Daniels | 215,580 | May 20, 1879 | 711 | 207, 208 | 15 | 807 |
| Latch, Cupboard | R. C. Ellrich | 219,927 | Sept. 23, 1879 | 1001 | 278 | 16 | 569 |
| Latch, Gate | W. J. Craycraft | 217,863 | July 29, 1879 | 1076 | 309 | 16 | 179 |
| Latch keeper, Door | F. W. Brocksieper | 215,206 | May 13, 1879 | 276 | 81 | 15 | 740 |
| Latch, Reversible | J. J. Dinnan | 215,215 | May 13, 1879 | 284 | 83 | 15 | 741 |
| Latch, Reversible | B. Erbe | 213,501 | Mar. 25, 1879 | 841 | 238 | 15 | 430 |
| Latch, Reversible | T. Lyon | 218,293 | Aug. 5, 1879 | 207 | 56 | 16 | 248 |
| Latch, Reversible | H. E. Russell, jr | 218,455 | Aug. 12, 1879 | 400 | 110 | 16 | 285 |
| Lath-bunching machine | E. N. Hammond | 220,973 | Oct. 28, 1879 | 902 | 241 | 16 | 780 |
| Lath, Metallic | C. H. Carter | 214,278 | Apr. 15, 1879 | 659 | 184 | 15 | 573 |
| Lath, Metallic | J. V. Hennessey | 214,038 | Apr. 8, 1879 | 353 | 101 | 15 | 526 |
| Lath-sawing machine | J. Black | 219,678 | Sept. 16, 1879 | 717 | 199 | 16 | 520 |
| Lath-sawing machine | J. Little | 212,713 | Feb. 25, 1879 | 1043 | 289 | 15 | 276 |
| Lathe attachment for turning lathe-centers | S. Brown | 221,392 | Nov. 11, 1879 | 299 | 82 | 16 | 862 |
| Lathe, Button | C. H. Orcutt | 214,580 | Apr. 22, 1879 | 1022 | 288 | 15 | 627 |
| Lathe, Button | A. A. Smith | 222,161 | Dec. 2, 1879 | 49 | 12, 13 | 16 | 1016 |
| Lathe, Button | J. C. and H. J. Terry | 222,962 | Dec. 23, 1879 | 989 | 284 | 16 | 1177 |
| Lathe, Button-blank-turning | J. C. Terry | 222,963 | Dec. 23, 1879 | 992 | 285 | 16 | 1177 |
| Lathe-center, Adjustable | A. A. Robinson | 216,703 | June 17, 1879 | 785 | 224 | 15 | 1003 |
| Lathe-dog | B. F. Cloud | 214,885 | Apr. 29, 1879 | 1370 | 381 | 15 | 679 |
| Lathe, Engine | A. B. Bean | 223,099 | Dec. 30, 1879 | 1157 | 326 | 16 | 1209 |
| Lathe for dental surgery | G. H. Jones | 220,384 | Oct. 7, 1879 | 197 | 53 | 16 | 662 |
| Lathe for manufacturing buttons | H. A. Kimball | 218,985 | Aug. 26, 1879 | 1037 | 292 | 16 | 390 |
| Lathe for turning and molding balusters | J. Davies and F. B. Chidester | 218,863 | Aug. 26, 1879 | 905 | 253 | 16 | 372 |
| Lathe for turning buttons | T. J. Rockwood | 214,705 | Apr. 22, 1879 | 1152 | 324 | 15 | 644 |

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|---|---|---|---|---|---|---|---|
| Lathe for turning rings of celluloid and other materials. | T. Kays and W. H. Halsey | 214,665 | Apr. 22, 1879 | 1113 | 312 | 15 | 639 |
| Lathe for turning wooden rings | D. C. Lockwood | 214,672 | Apr. 22, 1879 | 1120 | 314 | 15 | 640 |
| Lathe, Grinding | C. Fest | 215,901 | May 27, 1879 | 1070 | 311 | 15 | 862 |
| Lathe, Oval | H. C. Heckendorn | 222,901 | Dec. 23, 1879 | 920 | 265 | 16 | 1167 |
| Lathe, Turning | J. H. Howell | 221,311 | Nov. 4, 1879 | 190 | 52 | 16 | 838 |
| Lathe-turning implement | K. Müller | 219,970 | Sept. 23, 1879 | 1048 | 291 | 16 | 575 |
| Lathe, Watchmaker's | J. Kesselmeier | 220,291 | Oct. 7, 1879 | 90 | 24 | 16 | 647 |
| Lathe, Wood-turning | W. Enoch | 215,594 | May 20, 1879 | 726 | 212 | 15 | 869 |
| Lathe, Wood-turning | A. D. Waymoth | 213,718 | Mar. 25, 1879 | 1075 | 305 | 15 | 461 |
| Lathes and planers, Tool-post for | G. W. Cogswell | 211,378 | Jan. 14, 1879 | 360 | 104 | 15 | 46 |
| Lathes, Device for securing the tail-stocks of metal-turning. | S. W. Putnam | 221,862 | Nov. 18, 1879 | 845 | 236 | 16 | 946 |
| Lathes, Milling attachment for | W. Main | 217,470 | July 15, 1879 | 616 | 176 | 16 | 102 |
| Lathing, Metallic | A. Knisely | 222,590 | Dec. 16, 1879 | 562 | 160 | 16 | 1105 |
| Laundry jack or bracket | F. Lyford | 215,380 | May 13, 1879 | 464 | 139 | 15 | 765 |
| Lawn or garden sprinkler | C. W. King | 214,778 | Apr. 29, 1879 | 1252 | 350 | 15 | 664 |
| Lawn-sprinkler | F. N. Forster | 220,277 | Oct. 7, 1879 | 74 | 20 | 16 | 645 |
| Lawn-sprinkler | L. Wolff and H. Stein | 211,876 | Feb. 4, 1879 | 63 | 19 | 15 | 134 |
| Lawn-sprinkler and hose-reel, Combined | E. L. Abbott | 215,709 | May 27, 1879 | 855 | 251 | 15 | 835 |
| Lead and crayon holder | J. Hoffman | 213,569 | Mar. 25, 1879 | 918 | 261 | 15 | 439 |
| Lead and crayon holder | J. Hoffman | 215,521 | May 20, 1879 | 641 | 187 | 15 | 798 |
| Lead, Apparatus for washing white | W. H. Gregg | 219,717 | Sept. 16, 1879 | 758 | 210 | 16 | 527 |
| Lead fumes, Collecting waste | G. T. Lewis | 212,855 | Mar. 4, 1879 | 85 | 25 | 15 | 309 |
| Lead, Solution for electrolysis of | N. S. Keith | 215,463 | May 20, 1879 | 577 | ..... | 15 | 789 |
| Leather, Apparatus for blacking the edges of | J. G. McCarter | 219,965 | Sept. 23, 1879 | 1042 | 289 | 16 | 574 |
| Leather, Artificial | J. Harrington | 220,237 | Oct. 7, 1879 | 33 | ..... | 16 | 639 |
| Leather, Artificial | C. H. Knelles | 221,580 | Nov. 11, 1879 | 518 | ..... | 16 | 893 |
| Leather-boarding machine | L. P. Wason | 218,908 | Aug. 26, 1879 | 958 | 269 | 16 | 380 |
| Leather box | R. W. Owen | 218,132 | Aug. 5, 1879 | 29 | 9 | 16 | 224 |
| Leather-buffing roll | W. Place | 213,247 | Mar. 11, 1879 | 562 | 156 | 15 | 377 |
| Leather-burnishing machine | C. D. Wood | 215,705 | May 20, 1879 | 842 | 246 | 15 | 825 |
| Leather-cloth, imitation silk damasks, and similar materials, Machine for manufacturing. | R. Jaekel and F. Tigges | 220,383 | Oct. 7, 1879 | 196 | 52 | 16 | 661 |
| Leather-creasing machine | C. J. Cooper | 222,385 | Dec. 9, 1879 | 305 | 85 | 16 | 1061 |
| Leather-crimping machine | T. A. Weber and F. Wagner | 218,350 | Aug. 5, 1879 | 267 | 73 | 16 | 256 |
| Leather-cutting gage | C. F. Wardell | 212,163 | Feb. 11, 1879 | 394 | 107 | 15 | 178 |
| Leather-cutting machine | E. Fisher | 211,841 | Feb. 4, 1879 | 15 | 45 | 15 | 128 |
| Leather-cutting machine | A. Teas | 217,428 | July 8, 1879 | 556 | 159, 160 | 16 | 82 |
| Leather-fastening strip | G. W. Copeland | 218,665 | Aug. 19, 1879 | 656 | 185 | 16 | 329 |
| Leather, Finishing | E. W. Phillips | 222,944 | Dec. 23, 1879 | 971 | ..... | 16 | 1174 |
| Leather-gage | M. Vassar, 2d | 212,288 | Feb. 11, 1879 | 531 | 149 | 15 | 197 |
| Leather, Manufacture of articles of | G. V. Sheffield | 214,718 | Apr. 22, 1879 | 1168 | 329 | 15 | 646 |
| Leather piping | Z. M. Lane | 213,211 | Mar. 11, 1879 | 523 | 145 | 15 | 372 |
| Leather, Removing extractive matter from tanned | G. Plumer and C. P. Kerans | 221,187 | Nov. 4, 1879 | 53 | ..... | 16 | 819 |
| Leather-skiving machine | C. Amazeen | 220,906 | Oct. 28, 1879 | 817 | 219 | 16 | 769 |
| Leather-skiving machine | M. M. Clough | 218,163 | Aug. 5, 1879 | 66 | 18 | 16 | 229 |
| Leather-skiving machine | C. Dancel and E. C. Smith | 216,948 | July 1, 1879 | 23 | 7, 8 | 16 | 5 |
| Leather-skiving machine | O. Gilmore | 221,050 | Oct. 28, 1879 | 998 | 264, 265 | 16 | 792 |
| Leather-skiving machine | W. S. Hadaway and E. Gott | 217,212 | July 8, 1879 | 331 | 98 | 16 | 54 |
| Leather-skiving machine | M. A. Holton | 220,286 | Oct. 7, 1879 | 84 | 22, 23 | 16 | 646 |
| Leather-splitting machine | J. A. Safford | 211,187 | Jan. 7, 1879 | 121 | 38 | 15 | 17 |
| Leather-splitting machine | H. and J. Sauerbier | 221,866 | Nov. 18, 1879 | 849 | 237 | 16 | 946 |
| Leather-splitting machine | H. and J. Sauerbier | 221,867 | Nov. 18, 1879 | 850 | 238 | 16 | 946 |
| Leather-stretching machine | J. H. Leddy | 215,640 | May 20, 1879 | 776 | 227 | 15 | 816 |
| Leather, Stuffing | H. N. Dodge | 219,233 | Sept. 2, 1879 | 201 | 60 | 16 | 438 |
| Leather trimming | A. Rüdiger | 219,023 | Aug. 26, 1879 | 1075 | 303 | 16 | 395 |
| Leather-work, Machine for opening and pressing seams in. | G. W. Emerson, J. G. Buzzell, and C. W. Collyer. | 212,843 | Mar. 4, 1879 | 71 | 21 | 15 | 307 |
| Leather-working, Edging-tool for | Z. B. Putnam | 215,159 | May 6, 1879 | 205 | 59 | 15 | 727 |
| Leech, Artificial | A. Berger | 212,176 | Feb. 11, 1879 | 408 | 111 | 15 | 180 |
| Lemon-squeezer | J. Fanning | 217,519 | July 15, 1879 | 668 | 191 | 16 | 109 |
| Lemon-squeezer | C. J. Reynolds | 216,699 | June 17, 1879 | 782 | 223 | 15 | 1002 |
| Lemon-squeezer | S. D. Samuels | 218,403 | Aug. 12, 1879 | 339 | 93 | 16 | 277 |
| Letter and character, Mica | F. Holthausen | 220,903 | Oct. 21, 1879 | 801 | 214 | 16 | 758 |
| Letter-box | W. Lynn and G. Clasen | 221,084 | Oct. 28, 1879 | 1033 | 274 | 16 | 797 |
| Letter-box | H. R. Robbins | 217,820 | July 22, 1879 | 1016 | 291, 292 | 16 | 164 |
| Letter-box cabinet | J. D. Williams | 217,566 | July 15, 1879 | 722 | 206 | 16 | 116 |
| Letter-box, Electric | W. H. Rodgers | 214,007 | Apr. 8, 1879 | 315 | 91 | 15 | 522 |
| Letter-box, Electric | W. H. Rodgers | 218,197 | Aug. 5, 1879 | 108 | 29 | 16 | 235 |
| Letter-box indicator | E. P. Murphy | 222,597 | Dec. 16, 1879 | 569 | 162 | 16 | 1106 |
| Letter-carrier's pouch | R. Hale | 212,551 | Feb. 25, 1879 | 878 | 242 | 15 | 254 |
| Letter clip and file | L. Aubel | 213,374 | Mar. 18, 1879 | 709 | 199 | 15 | 405 |
| Letter-package clasp | J. W. Ripley | 221,359 | Nov. 4, 1879 | 246 | 67 | 16 | 847 |
| Letters, figures, and ornaments, Compound for forming. | J. C. Friedrichs | 217,360 | July 8, 1879 | 488 | ..... | 16 | 74 |
| Letters in gold or silver leaf on glass, &c., Making. | M. D. L'Amoreaux | 214,253 | Apr. 15, 1879 | 426 | ..... | 15 | 569 |
| Letters, Making partly-transparent | F. Holthansen | 220,904 | Oct. 21, 1879 | 802 | 215 | 16 | 758 |
| Levees, Constructing | M. C. Lawton | 215,943 | May 27, 1879 | 1115 | 323 | 15 | 867 |
| Levees, Protecting | J. Johnson | 213,822 | Apr. 1, 1879 | 100 | 30 | 15 | 485 |
| Level, bevel, and square, Combined | A. M. Davies and F. R. Hewitt | 213,633 | Mar. 25, 1879 | 986 | 280 | 15 | 449 |
| Level, Pendulum | I. S. Winter | 221,380 | Nov. 4, 1879 | 268 | 73 | 16 | 850 |
| Level, Spirit | T. McWatters | 217,633 | July 15, 1879 | 795 | 226 | 16 | 125 |
| Leveler, Road | F. B. Kendall | 213,288 | Mar. 18, 1879 | 622 | 175 | 15 | 393 |
| Leveling-instrument | J. Clark | 218,710 | Aug. 19, 1879 | 702 | 200 | 16 | 335 |
| Lever and connecting-rod, Cam mechanism for changing the throw of a. | B. Eastwood | 213,553 | Mar. 25, 1879 | 900 | 257 | 15 | 437 |
| Lever, Carpenter's | W. E. Jones and B. P. Myers | 221,828 | Nov. 18, 1879 | 807 | 224 | 16 | 940 |
| Lever, Device for placing the working of more than one engine or mechanism under the control of a single. | H. Wadsworth | 213,079 | Mar. 11, 1879 | 369 | 104 | 15 | 353 |
| Lever-power | M. C. Franklin | 219,928 | Sept. 23, 1879 | 1002 | 279 | 16 | 569 |

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|---|---|---|---|---|---|---|---|
| Levers, crank-arms, &c., Self-locking and releasing attachment for. | O. O. Storle | 220,552 | Oct. 14, 1879 | 397 | 103 | 16 | 696 |
| Lewis | T. Norris, jr | 211,253 | Jan. 7, 1879 | 189 | 55 | 15 | 25 |
| Library reference-table, Rotary | N. F. Carter | 219,906 | Sept. 23, 1879 | 974 | 270 | 16 | 565 |
| Lid or cover for vessels | J. C. Boyle | 221,150 | Nov. 4, 1879 | 13 | 3 | 16 | 814 |
| Life-boat | G. B. Berrell | 223,025 | Dec. 30, 1879 | 1067 | 305 | 16 | 1198 |
| Life-boat | G. Tremberger and M. J. Stein | 211,807 | Jan. 28, 1879 | 867 | 242, 243 | 15 | 118 |
| Life-preserver | T. Richards | 212,402 | Feb. 18, 1879 | 673 | 188 | 15 | 219 |
| Life-preserver | R. E. Rose | 212,404 | Feb. 18, 1879 | 675 | 188 | 15 | 219 |
| Life-preserver | F. Vaughan | 218,604 | Aug. 12, 1879 | 569 | 161 | 16 | 309 |
| Life-preserver | F. G. C. Weir | 213,152 | Mar. 11, 1879 | 463 | 128 | 15 | 364 |
| Life-preserving mattress | C. P. Rood | 220,425 | Oct. 7, 1879 | 238 | 63 | 16 | 667 |
| Life-raft | S. M. Badger | 212,121 | Feb. 11, 1879 | 349 | 95 | 15 | 172 |
| Lift, Hydro-pneumatic | G. Johnson and W. M. Bailey | 220,479 | Oct. 14, 1879 | 308 | 82 | 16 | 685 |
| Lift-pipe and spark-arrester, Combined | J. D. Akley | 211,366 | Jan. 14, 1879 | 347 | 101 | 15 | 45 |
| Lifter: *See* Egg-lifter. Grain-lifter. Fruit-jar lifter. Water-lifter. | | | | | | | |
| Lifting-handle | W. H. Hart | 215,739 | May 27, 1879 | 886 | 259 | 15 | 839 |
| Lifting-handle for chests or boxes | W. Bachtenkirch | 212,881 | Mar. 4, 1879 | 128 | 36 | 15 | 313 |
| Lifting-jack | J. S. Blackburn and S. G. Brosins. | 219,676 | Sept. 16, 1879 | 716 | 198 | 16 | 520 |
| Lifting-jack | A. S. Dinsmore | 211,891 | Feb. 4, 1879 | 77 | 23 | 15 | 136 |
| Lifting-jack | P. L. Epler | 217,206 | July 8, 1879 | 322 | 95 | 16 | 53 |
| Lifting-jack | H. R. Ferris | 218,168 | Aug. 5, 1879 | 72 | 19 | 16 | 230 |
| Lifting-jack | I. Hogeland | 222,588 | Dec. 16, 1879 | 555 | 158 | 16 | 1104 |
| Lifting-jack | T. Howell | 221,068 | Oct. 28, 1879 | 1015 | 270 | 16 | 795 |
| Lifting-jack | J. S. Kirkwood | 219,740 | Sept. 16, 1879 | 781 | 215 | 16 | 530 |
| Lifting-jack | F. Fischer | 219,834 | Sept. 23, 1879 | 903 | 249 | 16 | 555 |
| Lifting-jack | A. N. Woodard | 220,897 | Oct. 21, 1879 | 794 | 212 | 16 | 757 |
| Lifting jack, Door | S. B. Forbes | 211,232 | Jan. 7, 1879 | 169 | 50 | 15 | 23 |
| Lifting-jack for vehicles | L. Haverstick | 221,230 | Nov. 4, 1879 | 100 | 26 | 16 | 826 |
| Light: *See* Drop-light. Railway signal-light. Electric light. Signal-light. Fire-light. Sky-light. Head-light. Vault-light. | | | | | | | |
| Lighting device | H. Arn | 221,437 | Nov. 11, 1879 | 347 | 96 | 16 | 869 |
| Lighting device | F. H. Riedel | 219,829 | Sept. 23, 1879 | 898 | 247 | 16 | 554 |
| Lighting device | C. Westphal | 221,758 | Nov. 18, 1879 | 715 | 200 | 16 | 929 |
| Lighting, System of | E. J. Molera and J. C. Cebrian | 214,835 | Apr. 29, 1879 | 1315 | 367, 368 | 15 | 672 |
| Lightning-conductor | G. W. Cain | 218,708 | Aug. 19, 1879 | 699 | 199 | 16 | 334 |
| Lightning-rod | L. Adams | 213,367 | Mar. 18, 1879 | 703 | 197 | 15 | 404 |
| Lightning-rod | J. Hewitt | 211,847 | Feb. 4, 1879 | 24 | 8 | 15 | 129 |
| Lightning-rod | G. S. Knapp | 212,608 | Feb. 25, 1879 | 942 | 261 | 15 | 262 |
| Lightning-rod coupling | E. C. Bacon | 214,545 | Apr. 22, 1879 | 985 | 277 | 15 | 622 |
| Lightning-rod coupling | J. W. Fritsch | 214,558 | Apr. 22, 1879 | 1000 | 281 | 15 | 624 |
| Lightning-rod coupling | E. S. Turner | 211,441 | Jan. 14, 1879 | 433 | 122 | 15 | 56 |
| Limb, Artificial | A. A. Norman | 221,601 | Nov. 11, 1879 | 538 | 148 | 16 | 896 |
| Lime and cement kiln | C. Brown | 220,337 | Oct. 7, 1879 | 141 | 38 | 16 | 654 |
| Lime and cement, Manufacture of | J. K. Shinn | 217,415 | July 8, 1879 | 540 | 155 | 16 | 80 |
| Lime, Manufacture of oyster-shell | C. H. Sliecr | 213,460 | Mar. 18, 1879 | 789 | ..... | 15 | 416 |
| Lime, Manufacture of sulphate of | Z. C. Warren | 220,005 | Sept. 23, 1879 | 1084 | 301 | 16 | 580 |
| Lime, Revivifying spent | G. R. Hislop | 217,377 | July 8, 1879 | 502 | 146 | 16 | 76 |
| Lime-kiln | D. G. Ormsby | 211,637 | Jan. 28, 1879 | 675 | 189 | 15 | 93 |
| Lime-kilns, Draft apparatus for | H. Horst | 220,478 | Oct. 14, 1879 | 307 | 81 | 16 | 685 |
| Linch-pin holder | B. Goodyear | 219,249 | Sept. 2, 1879 | 224 | 64 | 16 | 440 |
| Line-holder | J. J. W. Wilson | 216,008 | May 27, 1879 | 1172 | 341 | 15 | 875 |
| Liniment | R. Banes | 211,830 | Feb. 4, 1879 | 3 | ..... | 15 | 127 |
| Liniment | S. C. Buchanan | 213,863 | Apr. 1, 1879 | 146 | ..... | 15 | 491 |
| Liniment | J. H. Ellis | 211,390 | Jan. 14, 1879 | 374 | ..... | 15 | 48 |
| Liniment | J. Mayer | 217,808 | July 22, 1879 | 1001 | ..... | 16 | 162 |
| Liniment | N. Sailvail | 211,477 | Jan. 21, 1879 | 471 | ..... | 15 | 63 |
| Link-motion | D. S. Stombs | 217,659 | July 15, 1879 | 815 | 232 | 16 | 128 |
| Liquid compounds, Vessel for mixing | O. Dierking | 219,349 | Sept. 9, 1879 | 345 | 98 | 16 | 464 |
| Liquid-cooler | J. H. Schroeder | 218,782 | Aug. 19, 1879 | 781 | 222 | 16 | 345 |
| Liquid-dispensing apparatus | J. W. Field | 217,932 | July 29, 1879 | 1154 | 331 | 16 | 189 |
| Liquid-outage gage | G. and T. Koch | 219,584 | Sept. 16, 1879 | 601 | 168 | 16 | 505 |
| Liquids and acids, Vehicle or vessel for transporting corrosive. | T. C. Chappell | 218,113 | Aug. 5, 1879 | 8 | 3 | 16 | 222 |
| Liquids, Apparatus for preventing the boiling over of. | L. McLaws | 214,168 | Apr. 8, 1879 | 510 | 145 | 15 | 544 |
| Liquids, Utensil for mixing and imbibing | W. H. Brown | 214,617 | Apr. 22, 1879 | 1062 | 298 | 15 | 632 |
| Liquor-register | J. B. Benton | 213,492 | Mar. 25, 1879 | 831 | 235 | 15 | 429 |
| Liquors, Process and apparatus for fining fermented. | A. E. and W. E. Feroe | 215,338 | May 13, 1879 | 428 | 127 | 15 | 760 |
| Liquoring apparatus, Centrifugal | A. A. Goubert | 221,806 | Nov. 18, 1879 | 784 | 219 | 16 | 937 |
| Liquoring apparatus, Centrifugal | A. A. Goubert | 221,807 | Nov. 18, 1879 | 785 | 219 | 16 | 937 |
| Liquoring apparatus, Centrifugal | F. O. Matthiessen | 221,894 | Nov. 18, 1879 | 877 | 246 | 16 | 950 |
| Liquoring apparatus, Centrifugal | F. O. Matthiessen | 221,895 | Nov. 18, 1879 | 879 | 246 | 16 | 950 |
| Liquoring apparatus, Centrifugal | E. E. Quimby | 221,896 | Nov. 18, 1879 | 880 | 246 | 16 | 951 |
| Liquoring apparatus, Centrifugal | E. E. Quimby | 221,897 | Nov. 18, 1879 | 881 | 247 | 16 | 951 |
| Liquoring apparatus, Centrifugal | E. E. Quimby | 221,898 | Nov. 18, 1879 | 883 | 247 | 16 | 951 |
| Load-binder | C. Holler and J. McDaniel | 215,746 | May 27, 1879 | 891 | 261 | 15 | 839 |
| Lock: *See* Alarm-lock. Circuit-closer lock. Bag-lock. Door-lock. Bolt-lock. Drawer-lock. Bottle-stopper lock. Fire-alarm lock. Car-lock. Gun-lock. Carriage-brake lock. Hand-cuff lock. Indicator-lock. Carriage-seat lock. Nut-lock. Cigar-box lock. Padlock. | | | | | | | |

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| Lock—Continued. *See* Permutation-lock. Seal-lock. Pocket-book lock. Time-lock. Prison-lock. Trunk-lock. Railway-lock. Umbrella-runner lock. Safe-lock. Vehicle-seat lock. Sash-lock. | | | | | | | |
| Lock | L. Bensel | 216, 592 | June 17, 1879 | 568 | 163 | 15 | 973 |
| Lock | W. H. Bramble | 211, 374 | Jan. 14, 1879 | 355 | 103 | 15 | 46 |
| Lock | A. T. Brooks and W. T. Munger | 211, 832 | Feb. 4, 1879 | 4 | 1 | 15 | 127 |
| Lock | H. Clarke | 220, 124 | Sept. 30, 1879 | 1238 | 340, 341 | 16 | 610 |
| Lock | J. J. Dinnan | 212, 908 | Mar. 4, 1879 | 157 | 44 | 15 | 316 |
| Lock | J. J. Dinnan | 216, 260 | June 10, 1879 | 281 | 83 | 15 | 928 |
| Lock | W. E. Forster | 212, 452 | Feb. 18, 1879 | 742 | 205 | 15 | 227 |
| Lock | W. H. Garlock | 218, 728 | Aug. 19, 1879 | 720 | 205 | 16 | 337 |
| Lock | W. I. Ludlow | 212, 957 | Mar. 4, 1879 | 219 | 61 | 15 | 325 |
| Lock | A. E. Marshall | 213, 515 | Mar. 25, 1879 | 854 | 243 | 15 | 432 |
| Lock | L. A. Merriam | 215, 649 | May 20, 1879 | 786 | 230 | 15 | 817 |
| Lock | F. Neuhoff | 218, 054 | July 29, 1879 | 1284 | 367 | 16 | 206 |
| Lock | N. Petre | 215, 664 | May 20, 1879 | 801 | 234 | 15 | 819 |
| Lock | A. B. Richmond | 217, 958 | July 29, 1879 | 1182 | 338 | 16 | 193 |
| Lock | J. Sargent | 213, 252 | Mar. 11, 1879 | 566 | 157 | 15 | 378 |
| Lock | F. W. Smith and F. Egge | 212, 059 | Feb. 4, 1879 | 274 | 75 | 15 | 160 |
| Lock | W. H. Taylor | 212, 636 | Feb. 25, 1879 | 971 | 269 | 15 | 266 |
| Lock | W. H. Taylor | 213, 006 | Mar. 4, 1879 | 276 | 77 | 15 | 332 |
| Lock | J. R. Winsor | 218, 805 | Aug. 19, 1879 | 806 | 229 | 16 | 349 |
| Lock and latch, Combined | A. Proseus | 212, 052 | Feb. 4, 1879 | 267 | 73 | 15 | 159 |
| Lock face-plate | T. Lyon | 219, 105 | Sept. 2, 1879 | 52 | 17 | 16 | 419 |
| Lock-gate | D. Risher, jr | 212, 506 | Feb. 18, 1879 | 813 | 225, 226 | 15 | 237 |
| Lock-strike | A. Blackwood | 213, 967 | Apr. 8, 1879 | 271 | 78 | 15 | 516 |
| Locomotive and dummy engine | E. D. McCracken | 213, 224 | Mar. 11, 1879 | 536 | 149 | 15 | 374 |
| Locomotive and other furnaces | H. F. Hayden | 220, 614 | Oct. 14, 1879 | 467 | 122, 123 | 16 | 706 |
| Locomotive-boiler cleaner | W. Titcomb | 216, 911 | June 24, 1879 | 1038 | 294 | 15 | 1044 |
| Locomotive, Compressed-air | J. H. Gray | 218, 730 | Aug. 19, 1879 | 721 | 205 | 16 | 338 |
| Locomotive-engine | W. B. Hosford | 216, 275 | June 10, 1879 | 303 | 89 | 15 | 930 |
| Locomotive-engine | H. F. Shaw | 221, 426 | Nov. 11, 1879 | 335 | 93 | 16 | 868 |
| Locomotive-engine attachment | B. T. Babbitt | 219, 897 | Sept. 23, 1879 | 965 | 267 | 16 | 564 |
| Locomotive-engine brake | C. W. Lanpher | 217, 882 | July 29, 1879 | 1101 | 316 | 16 | 182 |
| Locomotive exhaust mechanism | J. Baird and A. Stirling | 215, 427 | May 20, 1879 | 430 | 157 | 15 | 783 |
| Locomotive exhaust-pipe | D. Harrigan | 217, 458 | July 15, 1879 | 605 | 173 | 16 | 101 |
| Locomotive exhaust-pipe | J. C. Linnell | 212, 560 | Feb. 25, 1879 | 888 | 245 | 15 | 255 |
| Locomotive exhaust-pipes, Tip for | D. Harrigan | 217, 459 | July 15, 1879 | 606 | 173 | 16 | 101 |
| Locomotive for single railways | H. S. Pruyn | 214, 701 | Apr. 22, 1879 | 1146 | 323 | 15 | 643 |
| Locomotive main and coupling rod | S. B. Crawford and A. Laird | 220, 467 | Oct. 14, 1879 | 293 | 78 | 16 | 684 |
| Locomotive-pilot | R. C. Mead | 217, 890 | July 29, 1879 | 1108 | 318 | 16 | 183 |
| Locomotive-pilot | F. F. Mortimer | 222, 149 | Dec. 2, 1879 | 39 | 10 | 16 | 1014 |
| Locomotive-pilot and snow-plow | J. J. Van Wagenen and J. Butler. | 218, 147 | Aug. 5, 1879 | 47 | 13 | 16 | 227 |
| Locomotives, &c., Reversing-gear for | D. R. Pryor | 220, 417 | Oct. 7, 1879 | 229 | 61 | 16 | 666 |
| Locomotives, Variable exhaust for | E. R. Addison | 213, 311 | Mar. 18, 1879 | 645 | 182 | 15 | 396 |
| Log-roller | E. Tarrant | 213, 953 | Apr. 1, 1879 | 233 | 68 | 15 | 503 |
| Logs into strips, Machine for slicing | J. Naylor, jr | 219, 296 | Sept. 2, 1879 | 274 | 77, 78 | 16 | 446 |
| Loom | R. W. and G. P. Andrus and H. E. Chamberlin. | 211, 208 | Jan. 7, 1879 | 141 | 43 | 15 | 19 |
| Loom | J. D. Cottrell | 217, 270 | July 8, 1879 | 388 | 115 | 16 | 61 |
| Loom | J. D. Cottrell | 220, 579 | Oct. 14, 1879 | 433 | 112 | 16 | 701 |
| Loom | G. Crompton and H. Wyman | 217, 589 | July 15, 1879 | 747 | 213, 214 | 16 | 119 |
| Loom | J. E. Gillespie | 218, 012 | July 29, 1879 | 1240 | 355 | 16 | 200 |
| Loom | P. W. Green | 217, 610 | July 15, 1879 | 772 | 219 | 16 | 122 |
| Loom | R. H. H. Hunt | 214, 506 | Apr. 22, 1879 | 928 | 262, 263, 264, 265 | 15 | 616 |
| Loom | A. Pettis | 222, 943 | Dec. 23, 1879 | 969 | 278, 279 | 16 | 1174 |
| Loom | J. and C. Rothwell | 221, 865 | Nov. 18, 1879 | 848 | 237 | 16 | 946 |
| Loom, Circular | C. P. Marsball | 212, 025 | Feb. 4, 1879 | 226 | 63, 64 | 15 | 155 |
| Loom drop shuttle-boxes, Mechanism for operating. | L. J. Knowles | 221, 237 | Nov. 4, 1879 | 109 | 28, 29 | 16 | 827 |
| Loom drop shuttle-boxes, Mechanism for operating. | L. J. Knowles | 221, 238 | Nov. 4, 1879 | 110 | 29 | 16 | 827 |
| Loom drop shuttle-boxes, Mechanism for operating. | L. J. Knowles | 221, 239 | Nov. 4, 1879 | 111 | 29 | 16 | 827 |
| Loom drop shuttle-boxes, Mechanism for operating. | L. J. Knowles | 221, 240 | Nov. 4, 1879 | 113 | 30 | 16 | 827 |
| Loom for weaving fringe | B. Crémérieux | 220, 130 | Sept. 30, 1879 | 1246 | 342, 343 | 16 | 611 |
| Loom for weaving pile-fabrics | J. C. Ellison | 222, 477 | Dec. 9, 1879 | 419 | 119 | 16 | 1075 |
| Loom for weaving pile-fabrics | W. Webster | 211, 949 | Feb. 4, 1879 | 145 | 42 | 15 | 144 |
| Loom for weaving straw matting | W. Hilton | 218, 969 | Aug. 26, 1879 | 1017 | 286 | 16 | 388 |
| Loom for weaving terry fabrics | W. Weaver | 211, 814 | Jan. 28, 1879 | 874 | 245 | 15 | 119 |
| Loom for weaving terry fabrics | W. Weaver | 211, 815 | Jan. 28, 1879 | 875 | 246 | 15 | 119 |
| Loom, Fringe | L. J. McDonald | 220, 931 | Oct. 28, 1879 | 847 | 228 | 16 | 773 |
| Loom-harness mechanism | J. M. Brown | 221, 662 | Nov. 18, 1879 | 607 | 170 | 16 | 914 |
| Loom harness-motion | O. W. Kenison | 221, 321 | Nov. 4, 1879 | 206 | 56 | 16 | 841 |
| Loom let-off mechanism | J. D. Cottrell | 219, 389 | Sept. 9, 1879 | 392 | 109 | 16 | 470 |
| Loom-picker | S. S. Walker | 221, 006 | Oct. 21, 1879 | 946 | 253 | 16 | 786 |
| Loom, Power | J. C. Duckworth | 211, 718 | Jan. 28, 1879 | 760 | 213, 214, 215 | 15 | 104 |
| Loom-shedding mechanism | O. W. Kenison | 213, 208 | Mar. 11, 1879 | 520 | 144, 145 | 15 | 372 |
| Loom-shedding mechanism | E. Wade | 223, 198 | Dec. 30, 1879 | 1257 | 357 | 16 | 1224 |
| Loom-shuttle | J. Johnston | 214, 155 | Apr. 8, 1879 | 498 | 141 | 15 | 543 |
| Loom-shuttle | J. Johnston | 214, 156 | Apr. 8, 1879 | 499 | 142 | 15 | 543 |
| Loom-shuttle | J. Johnston | 219, 159 | Sept. 2, 1879 | 115 | 33 | 16 | 427 |

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|---|---|---|---|---|---|---|---|
| Loom-shuttle | C. I. Kane | 213,207 | Mar. 11, 1879 | 519 | 144 | 15 | 371 |
| Loom-shuttle | M. Leary | 211,243 | Jan. 7, 1879 | 180 | 53 | 15 | 24 |
| Loom-shuttle | H. J. Miller | 221,415 | Nov. 11, 1879 | 324 | 88 | 16 | 866 |
| Loom-shuttle | T. E. Roberts | 214,317 | Apr. 15, 1879 | 713 | 199 | 15 | 580 |
| Loom-shuttle | A. B. Roberts and L. Lyons | 220,659 | Oct. 14, 1879 | 517 | 137 | 16 | 712 |
| Loom-shuttle-actuating mechanism | C. Fosdick | 217,524 | July 15, 1879 | 674 | 192 | 16 | 110 |
| Loom-shuttle-box motion | J. Barker | 211,126 | Jan. 7, 1879 | 55 | 17, 18 | 15 | 7 |
| Loom-shuttle boxes, Mechanism for shifting | G. Crompton | 211,708 | Jan. 28, 1879 | 748 | 210 | 15 | 103 |
| Loom-shuttle-driving mechanism | C. I. Kane | 212,707 | Feb. 25, 1879 | 1037 | 288 | 15 | 275 |
| Loom-shuttle, Metallic | W. Beatty and G. M. Edwards | 213,031 | Mar. 11, 1879 | 316 | 88 | 15 | 345 |
| Loom-shuttle motion | J. Burton | 216,508 | June 17, 1879 | 576 | 165 | 15 | 974 |
| Loom-shuttle motion | G. Cuthbert | 216,947 | July 1, 1879 | 21 | 7 | 16 | 5 |
| Loom-shuttle motion | A. Faulkner | 213,183 | Mar. 11, 1879 | 498 | 138 | 15 | 368 |
| Loom-shuttle-operating device | E. H. Graham | 217,529 | July 15, 1879 | 679 | 193 | 16 | 111 |
| Loom-shuttle-operating mechanism | O. O'Reilly | 214,696 | Apr. 22, 1879 | 1142 | 321, 322 | 15 | 643 |
| Loom-shuttle spindle | O. P. Richardson | 221,191 | Nov. 4, 1879 | 57 | 15 | 16 | 820 |
| Loom stop-motion | F. O. Tucker | 217,028 | July 1, 1879 | 111 | 32, 33 | 16 | 17 |
| Loom-temple | P. P. Quackenboss | 215,396 | May 13, 1879 | 481 | 143 | 15 | 767 |
| Loom-temple | J. B. Stamour | 212,280 | Feb. 11, 1879 | 523 | 146 | 15 | 195 |
| Loom-temple bracket | J. B. Stamour | 217,167 | July 1, 1879 | 266 | 78 | 16 | 37 |
| Loom-temples, Burr-roll for | J. H. Prouty and S. S. Sprague | 214,447 | Apr. 15, 1879 | 853 | 240 | 15 | 598 |
| Loom-weft-stop motion | W. Nuttall | 219,974 | Sept. 23, 1879 | 1052 | 292 | 16 | 576 |
| Loom, Weft-thread knitting | L. E. Salisbury | 212,269 | Feb. 11, 1879 | 510 | 142 | 15 | 194 |
| Looms, Automatic let-off mechanism for | W. F. Flanagin and D. A. Sager | 222,886 | Dec. 23, 1879 | 903 | 260 | 16 | 1165 |
| Lounge, Folding | J. E. Binder | 216,718 | June 24, 1879 | 818 | 234 | 15 | 1017 |
| Lounge, Folding | O. Stechhan | 213,847 | Apr. 1, 1879 | 127 | 38 | 15 | 489 |
| Lubricant | S. Frazer | 219,455 | Sept. 9, 1879 | 465 | ..... | 16 | 479 |
| Lubricant | W. Smith | 214,594 | Apr. 22, 1879 | 1039 | ..... | 15 | 629 |
| Lubricating compound | G. W. Maguire | 211,755 | Jan. 28, 1879 | 808 | ..... | 15 | 110 |
| Lubricating device | W. J. Paul | 214,640 | Apr. 22, 1879 | 1086 | 304 | 15 | 635 |
| Lubricating device | H. Park | 219,507 | Sept. 9, 1879 | 516 | 144 | 16 | 486 |
| Lubricator: *See* Axle-lubricator. Journal-box lubricator. Cylinder lubricator. Steam-engine lubricator. | | | | | | | |
| Lubricator | D. P. Baldwin | 216,303 | June 10, 1879 | 334 | 98 | 15 | 934 |
| Lubricator | J. G. Barrington | 221,274 | Nov. 4, 1879 | 148 | 40 | 16 | 833 |
| Lubricator | G. H. Benton | 214,087 | Apr. 8, 1879 | 431 | 121 | 15 | 534 |
| Lubricator | L. J. Crecelius | 216,943 | July 1, 1879 | 17 | 5 | 16 | 4 |
| Lubricator | A. S. Fleutelot | 211,142 | Jan. 7, 1879 | 69 | 22 | 15 | 9 |
| Lubricator | E. F. Gordon | 213,104 | Mar. 11, 1879 | 408 | 113 | 15 | 357 |
| Lubricator | M. Lloyd | 218,544 | Aug. 12, 1879 | 510 | 143 | 16 | 300 |
| Lubricator | C. H. Parshall | 213,589 | Mar. 25, 1879 | 939 | 267 | 15 | 442 |
| Lubricator | C. H. Parshall | 214,211 | Apr. 15, 1879 | 705 | 198 | 15 | 579 |
| Lubricator | C. H. Parshall | 218,191 | Aug. 5, 1879 | 100 | 27 | 16 | 234 |
| Lubricator | W. P. Phillips | 216,531 | June 17, 1879 | 602 | 171 | 15 | 978 |
| Lubricator | O. A. Rollins | 222,739 | Dec. 16, 1879 | 728 | 208 | 16 | 1129 |
| Lubricator | J. Smith | 223,015 | Dec. 30, 1879 | 1058 | 302 | 16 | 1197 |
| Lubricator | J. H. Taylor and R. W. Miller | 214,730 | Apr. 22, 1879 | 1182 | 332 | 15 | 647 |
| Lubricator | E. Webb and J. Richmond | 214,215 | Apr. 8, 1879 | 564 | 159 | 15 | 551 |
| Lumber. Device for loading and unloading | J. J. Hennessy | 212,694 | Feb. 25, 1879 | 1022 | 283 | 15 | 273 |
| Lumber-drier | P. G. Finn | 220,225 | Oct. 7, 1879 | 16 | 4, 5 | 16 | 637 |
| Lumber-trimming machine | J. G. Emery | 218,005 | July 29, 1879 | 1232 | 353 | 16 | 199 |
| Lyre | C. Kunkel | 222,138 | Dec. 2, 1879 | 22 | 7 | 16 | 1012 |
| **M.** | | | | | | | |
| Macaroni, Preparing and canning | J. H. Irwin | 222,404 | Dec. 9, 1879 | 324 | ..... | 16 | 1064 |
| Machinery, Device for driving | E. F. Landis | 219,585 | Sept. 16, 1879 | 603 | 168 | 16 | 505 |
| Machinery, Motor | J. Williams, E. Smith, and J. R. Milligan. | 213,797 | Apr. 1, 1879 | 73 | 23 | 15 | 482 |
| Magnetic separator | H. E. Cook and J. B. Thayer | 216,258 | June 10, 1879 | 278 | 82 | 15 | 927 |
| Magneto-electric call apparatus | G. L. Anders | 217,849 | July 29, 1879 | 1061 | 305 | 16 | 177 |
| Magneto-electric machine | T. A. Edison | 218,166 | Aug. 5, 1879 | 70 | 18 | 16 | 230 |
| Magneto-electric machine | T. A. Edison | 222,881 | Dec. 23, 1879 | 898 | 259 | 16 | 1164 |
| Magneto-electric machine | Z. T. Gramme | 218,520 | Aug. 12, 1879 | 483 | 135 | 16 | 296 |
| Magneto-electric machine | O. Heikel | 219,398 | Sept. 9, 1879 | 401 | 112 | 16 | 471 |
| Mail and other matter, Box for prohibited | H. C. Underwood | 218,090 | July 29, 1879 | 1323 | 380 | 16 | 211 |
| Mail-bag | T. A. Dennis | 219,230 | Sept. 2, 1879 | 199 | 59 | 16 | 438 |
| Mail-bag | J. B. Gathright and S. L. Drabelle | 214,771 | Apr. 29, 1879 | 1241 | 348 | 15 | 663 |
| Mail-bag | J. G. Thompson | 211,276 | Jan. 7, 1879 | 216 | 63 | 15 | 28 |
| Mail-bag dropper | H. Brancher and J. F. Sindorf | 215,873 | May 27, 1879 | 1042 | 304 | 15 | 858 |
| Mail-bag fastener | T. M. Cunningham | 215,331 | May 13, 1879 | 423 | 126 | 15 | 759 |
| Mail-bag fastening | C. Bried | 221,509 | Nov. 11, 1879 | 436 | 118 | 16 | 881 |
| Mail-bag fastening | H. S. Mertz and H. T. Worman | 218,045 | July 29, 1879 | 1276 | 365 | 16 | 204 |
| Mail-bags, Device for receiving and delivering | J. Southwick | 213,463 | Mar. 18, 1879 | 791 | 223 | 15 | 416 |
| Mail-bags, Machine for riveting | M. Bray | 222,568 | Dec. 16, 1879 | 532 | 151, 152 | 16 | 1101 |
| Mail-box | J. Sherriff | 216,229 | June 3, 1879 | 228 | 68 | 15 | 914 |
| Mail-package | G. Bassett | 218,474 | Aug. 12, 1879 | 432 | 120 | 16 | 289 |
| Main-springs, Safety device for | S. W. Morgan | 212,042 | Feb. 4, 1879 | 254 | 69 | 15 | 158 |
| Mallet | G. B. Goddard | 211,149 | Jan. 7, 1879 | 80 | 25 | 15 | 11 |
| Mallet | A. G. McComb | 221,930 | Nov. 25, 1879 | 942 | 264 | 16 | 968 |
| Malt extract, Producing | G. A. Gessner | 220,825 | Oct. 21, 1879 | 719 | ..... | 16 | 746 |
| Malt-kiln floor | F. Baumann | 212,645 | Feb. 25, 1879 | 978 | 271 | 15 | 267 |
| Malt-kiln floor | F. W. Wolf | 220,513 | Oct. 14, 1879 | 346 | 91 | 16 | 690 |
| Malt liquors, Apparatus for drawing and preserving | J. Neumann | 222,300 | Dec. 2, 1879 | 206 | 54 | 16 | 1037 |
| Malt liquors, Manufacturing | H. M. Hartshorn | 220,023 | Sept. 30, 1879 | 1111 | ..... | 16 | 592 |
| Malt liquors, Preventing galvanic action in the manufacture of. | H. Strater, jr., and H. H. Rueter | 213,142 | Mar. 11, 1879 | 459 | 125 | 15 | 362 |
| Malt-turning machine | P. Weinig | 223,086 | Dec. 30, 1879 | 1140 | 323 | 16 | 1207 |
| Mandrel, Saw | T. N. Egery | 215,050 | May 6, 1879 | 74 | 22 | 15 | 712 |
| Mandrel, Tube-welding | A. Telfer and W. Collins | 214,534 | Apr. 22, 1879 | 974 | 274 | 15 | 621 |
| Mandrel, Tube-welding | A. Telfer | 214,535 | Apr. 22, 1879 | 975 | 274 | 15 | 621 |

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|---|---|---|---|---|---|---|---|
| Mane-comb | H. H. Sibley | 214,593 | Apr. 22, 1879 | 1038 | 292 | 15 | 629 |
| Manger | J. J. Budlong | 211,617 | Jan. 28, 1879 | 647 | 181 | 15 | 89 |
| Mangle | C. Reese | 214,448 | Apr. 15, 1879 | 854 | 240 | 15 | 599 |
| Mangle | C. Reese | 220,866 | Oct. 21, 1879 | 758 | 202, 203 | 16 | 752 |
| Mantels, Manufacture of porcelain | S. W. Geery | 220,279 | Oct. 7, 1879 | 76 | 21 | 16 | 645 |
| Manure-distributer | J. M. Chastain | 217,060 | July 1, 1879 | 149 | 44 | 16 | 21 |
| Manures, Machine for distributing | W. Shaw and D. Williamson | 216,579 | June 17, 1879 | 654 | 185, 186 | 15 | 985 |
| Map-cabinet | G. H. Grant | 221,550 | Nov. 11, 1879 | 485 | 133 | 16 | 888 |
| Marble and stone, Manufacture of artificial | W. C. Baker, jr | 214,348 | Apr. 15, 1879 | 749 | ..... | 15 | 585 |
| Marble and stone, Manufacture of artificial | J. H. Thorp | 221,630 | Nov. 11, 1879 | 568 | ..... | 16 | 909 |
| Marble, Making artificial | H. G. Hosmer | 214,142 | Apr. 8, 1879 | 486 | ..... | 15 | 541 |
| Marble-molding machine | W. Lantz | 211,631 | Jan. 28, 1879 | 664 | 186, 187 | 15 | 91 |
| Marble veneering, Artificial | T. Swartwout | 212,068 | Feb. 4, 1879 | 283 | ..... | 15 | 161 |
| Marker, Land | S. Ryan | 217,242 | July 8, 1879 | 362 | 107 | 16 | 58 |
| Marking-tool, Fountain | C. E. Wheeler | 215,549 | May 20, 1879 | 672 | 196 | 15 | 802 |
| Marquetry | E. F. Masselin | 217,129 | July 1, 1879 | 226 | 65 | 16 | 31 |
| Mash from whole kernels, Process and apparatus for preparing maize. | C. A. O. and G. A. P. Bohm | 213,092 | Mar. 11, 1879 | 393 | 109 | 15 | 355 |
| Mash-heater | J. Hayden | 215,455 | May 20, 1879 | 569 | 167 | 15 | 788 |
| Mash, Machine for mashing and mixing brewer's | C. Stoll | 217,830 | July 22, 1879 | 1026 | 294, 295 | 16 | 165 |
| Mash-tub | M. L. Scivalley | 215,169 | May 6, 1879 | 215 | 62 | 15 | 729 |
| Mash-tub | G. Young | 216,011 | May 27, 1879 | 1175 | 341 | 15 | 875 |
| Mashing grain, Process and apparatus for | J. A. Eberhardt | 215,811 | May 27, 1879 | 968 | 283 | 15 | 849 |
| Mashing process | A. E. Feroe | 223,209 | Dec. 30, 1879 | 1274 | 360 | 16 | 1226 |
| Mask | A. Weidmann | 211,675 | Jan. 28, 1879 | 715 | 200 | 15 | 98 |
| Mask, Sanitary | P. H. Foster | 216,171 | June 3, 1879 | 172 | 51 | 15 | 907 |
| Mask, Smoke-excluding | G. Neally | 212,969 | Mar. 4, 1879 | 236 | 64 | 15 | 327 |
| Mat: *See* Door-mat. Rubber-mat. Oil-press mat. | | | | | | | |
| Mat | C. J. Ferguson | 218,948 | Aug. 26, 1879 | 996 | 280 | 16 | 385 |
| Match-box | E. B. Beecher | 216,501 | June 17, 1879 | 568 | 162 | 15 | 973 |
| Match-box | F. S. Dangerfield | 217,345 | July 8, 1879 | 470 | 137 | 16 | 72 |
| Match-box | A. Romain | 213,693 | Mar. 25, 1879 | 1051 | 299 | 15 | 457 |
| Match-box | H. B. Smith | 217,961 | July 29, 1879 | 1185 | 339 | 16 | 193 |
| Match-box | A. B. Wood | 217,664 | July 15, 1879 | 829 | 237 | 16 | 130 |
| Match, Friction | W. T. Mersereau | 220,722 | Oct. 21, 1879 | 600 | 160 | 16 | 731 |
| Match-safe | A. F. Able | 219,135 | Sept. 2, 1879 | 89 | 27 | 16 | 424 |
| Match-safe and candle-holder, Combined pocket | F. A. Farrell | 213,406 | Mar. 18, 1879 | 741 | 208 | 15 | 409 |
| Matches, Shipping-package for | O. C. Barber | 217,765 | July 22, 1879 | 955 | 274 | 16 | 156 |
| Matcher-head | J. Ross | 219,830 | Sept. 23, 1879 | 899 | 247 | 16 | 554 |
| Matching and molding machine | J. Hyslop, jr | 219,947 | Sept. 23, 1879 | 1022 | 284 | 16 | 572 |
| Matching-machines, Guide for | P. Cardiff | 211,699 | Jan. 28, 1879 | 742 | 207 | 15 | 102 |
| Matrices, Machine for making stereotype | J. W. Schuckers | 222,642 | Dec. 16, 1879 | 627 | 179 | 16 | 1114 |
| Matting and smelting furnace, Combined | L. Stevens | 221,429 | Nov. 11, 1879 | 340 | 93 | 16 | 868 |
| Matting, Floor | G. Hayes | 217,213 | July 8, 1879 | 333 | 98 | 16 | 54 |
| Matting, Wooden floor | G. Hayes | 217,214 | July 8, 1879 | 333 | 99 | 16 | 54 |
| Mattress for ships, Water | J. Corduan | 211,705 | Jan. 28, 1879 | 746 | 209 | 15 | 102 |
| Meal-chest | S. W. Brooke | 222,656 | Dec. 16, 1879 | 641 | 184 | 16 | 1116 |
| Measure and funnel, Combined | G. W. Shaw | 215,982 | May 27, 1879 | 1150 | 334 | 15 | 872 |
| Measure and funnel, Combined liquid | C. T. Wright | 221,137 | Oct. 28, 1879 | 1082 | 286 | 16 | 803 |
| Measure and funnel, Wooden liquid | C. V. Pettibone | 213,244 | Mar. 11, 1879 | 557 | 155 | 15 | 377 |
| Measure, Liquid | L. Kosiol | 215,371 | May 13, 1879 | 457 | 137 | 15 | 764 |
| Measure, Rotary | F. A. Heberline and A. Boss | 211,327 | Jan. 14, 1879 | 304 | 90 | 15 | 40 |
| Measure, Rotary | A. Ritchie | 218,065 | July 29, 1879 | 1296 | 371 | 16 | 207 |
| Measure, Scale | J. M. Gaskins | 220,823 | Oct. 21, 1879 | 717 | 190 | 16 | 746 |
| Measure-slips, Machine for making | A. F. Mollring | 222,932 | Dec. 23, 1879 | 956 | 275 | 16 | 1172 |
| Measure, Tailor's | T. R. Boone | 212,587 | Feb. 25, 1879 | 919 | 254 | 15 | 259 |
| Measuring and saving liquids, Apparatus for | C. Pfanne | 216,450 | June 10, 1879 | 509 | 144 | 15 | 957 |
| Measuring-cabinet for oils | H. N. Hatch | 223,044 | Dec. 30, 1879 | 1088 | 309, 310 | 16 | 1201 |
| Measuring can, Liquid | P. J. Fitzgerald and J. McInnes | 222,263 | Dec. 2, 1879 | 168 | 44 | 16 | 1031 |
| Measuring can, Liquid | F. J. Phillips | 217,548 | July 15, 1879 | 699 | 199 | 16 | 113 |
| Measuring device for creating wantage | G. A. Dickerman | 219,806 | Sept. 23, 1879 | 875 | 241 | 16 | 551 |
| Measuring device, Liquid | W. B. Sherman | 215,300 | May 13, 1879 | 395 | 117 | 15 | 755 |
| Measuring liquids, Automatic apparatus for | H. E. Marchand | 221,333 | Nov. 4, 1879 | 220 | 60 | 16 | 842 |
| Measuring lumber, Device for | E. Neary | 212,817 | Mar. 4, 1879 | 40 | 13 | 15 | 302 |
| Measuring machine, Cloth | A. M. Guyton | 220,139 | Sept. 30, 1879 | 1254 | 345 | 16 | 612 |
| Measuring machine, Cloth | E. T. Houston | 212,697 | Feb. 25, 1879 | 1025 | 284 | 15 | 273 |
| Measuring machine, Cloth | A. F. Mollring | 222,931 | Dec. 23, 1879 | 955 | 274 | 16 | 1172 |
| Measuring machine, Rope | A. H. Simms and J. L. Porter | 215,073 | May 6, 1879 | 99 | 30 | 15 | 715 |
| Measuring machine, Surface | J. H. Williams, S. Moore, and R. H. Hurlbut. | 218,802 | Aug. 19, 1879 | 801 | 228 | 16 | 349 |
| Measuring-strip for packaged fabrics | A. B. Hayden | 219,580 | Sept. 16, 1879 | 599 | 167 | 16 | 505 |
| Measuring-strip for rolled fabrics | A. B. Hayden | 216,470 | Sept. 9, 1879 | 479 | 133 | 16 | 481 |
| Measuring tank, Liquid | W. Baldwin | 213,161 | Mar. 11, 1879 | 475 | 131 | 15 | 365 |
| Measuring-tool, Combination | S. G. Otis | 213,526 | Mar. 25, 1879 | 866 | 247 | 15 | 433 |
| Meat and vegetable cutter | I. W. Heysinger | 212,142 | Feb. 11, 1879 | 375 | 102 | 15 | 176 |
| Meat, Can for cooked | W. S. George | 218,729 | Aug. 19, 1879 | 720 | 205 | 16 | 338 |
| Meat, Can for the preservation of raw | A. A. Libby | 219,164 | Sept. 2, 1879 | 119 | 35 | 16 | 427 |
| Meat-cans, Machine for filling | C. J. Bryant | 214,100 | Apr. 8, 1879 | 444 | 126 | 15 | 535 |
| Meat, Canning | J. W. Jones | 217,226 | July 8, 1879 | 346 | ..... | 16 | 56 |
| Meat-carrier | J. E. Watkins and S. D. Bryant | 216,246 | June 3, 1879 | 248 | 74 | 15 | 916 |
| Meat-chopper | E. M. Silver | 216,536 | June 17, 1879 | 607 | 172 | 15 | 978 |
| Meat chopper, Mince and sausage | J. I. Rough | 222,079 | Nov. 25, 1879 | 1101 | 309 | 16 | 990 |
| Meat-chopping machine | R. Dahl | 211,711 | Jan. 28, 1879 | 752 | 211 | 15 | 103 |
| Meat-chopping machine | F. B. Fish | 218,869 | Aug. 26, 1879 | 912 | 255 | 16 | 373 |
| Meat, Curing | J. M. Reid | 221,357 | Nov. 4, 1879 | 245 | 66 | 16 | 846 |
| Meat-cutter | D. W. Garst | 223,129 | Dec. 30, 1879 | 1189 | 336 | 16 | 1214 |
| Meat-cutter | C. Kieser | 219,272 | Sept. 2, 1879 | 248 | 70 | 16 | 443 |
| Meat, Device for salting | T. J. Geale | 222,267 | Dec. 2, 1879 | 172 | 45 | 16 | 1032 |

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|---|---|---|---|---|---|---|---|
| Meat in cans, Apparatus for packing | T. Houlahan | 216,569 | June 17, 1879 | 643 | 183 | 15 | 983 |
| Meat in the raw state, Preserving | A. A. Libby | 213,824 | Apr. 1, 1879 | 102 | ..... | 15 | 486 |
| Meat-mincing machine | G. S. Oberdorff | 221,250 | Nov. 4, 1879 | 121 | 32 | 16 | 829 |
| Meat-mincing machine | T. J. Steffe and L. Knight | 222,209 | Dec. 2, 1879 | 107 | 26 | 16 | 1023 |
| Meat or vegetables, Machine for cutting | S. Schurch, jr., and F. L. Cooper | 212,113 | Feb. 11, 1879 | 339 | 93 | 15 | 171 |
| Meat, Package for canned | T. Ashwell | 214,494 | June 17, 1879 | 561 | 161 | 15 | 973 |
| Meat, Preserving | J. M. Dillon | 217,779 | July 22, 1879 | 968 | ..... | 16 | 158 |
| Meat, Preserving | F. Hofmann | 219,725 | Sept. 16, 1879 | 766 | ..... | 16 | 528 |
| Meat, Preserving | A. S. Lyman | 219,168 | Sept. 2, 1879 | 122 | 37 | 16 | 428 |
| Meat, Preserving | C. C. Smith | 221,113 | Oct. 28, 1879 | 1062 | ..... | 16 | 801 |
| Meat, Preserving | J. Turner | 221,708 | Nov. 18, 1879 | 663 | ..... | 16 | 921 |
| Meat-preserving apparatus | W. I. Goodin | 221,455 | Nov. 11, 1879 | 365 | 100 | 16 | 872 |
| Meat, Preserving raw | A. A. Libby | 213,825 | Apr. 1, 1879 | 103 | ..... | 15 | 486 |
| Meat, Preserving raw | A. A. Libby | 213,826 | Apr. 1, 1879 | 104 | ..... | 15 | 486 |
| Meat, Preventing mold upon | L. Fagersten | 221,541 | Nov. 11, 1879 | 475 | ..... | 16 | 886 |
| Meat-tenderer | J. P. Davies | 215,511 | May 20, 1879 | 632 | 184 | 15 | 796 |
| Meat-tenderer | H. E. Clement | 217,586 | July 15, 1879 | 743 | 212 | 16 | 119 |
| Mechanical medium | H. J. Stein | 212,870 | Mar. 4, 1879 | 103 | 30 | 15 | 311 |
| Mechanical motor | A. G. Kiler | 213,759 | Apr. 1, 1879 | 31 | 10 | 15 | 477 |
| Mechanical movement | D. Abrey | 216,638 | June 17, 1879 | 715 | 205 | 15 | 993 |
| Mechanical movement | Z. Beaudry | 221,953 | Nov. 25, 1879 | 969 | 271 | 16 | 971 |
| Mechanical movement | F. A. Bishop | 222,769 | Dec. 23, 1879 | 766 | 221 | 16 | 1145 |
| Mechanical movement | J. David | 222,872 | Dec. 23, 1879 | 889 | 255 | 16 | 1162 |
| Mechanical movement | T. W. Eaton | 215,810 | May 27, 1879 | 967 | 283 | 15 | 849 |
| Mechanical movement | C. B. Hitchcock | 212,380 | Feb. 18, 1879 | 647 | 181 | 15 | 215 |
| Mechanical movement | W. Lorey | 215,378 | May 13, 1879 | 463 | 139 | 15 | 765 |
| Mechanical movement | S. Y. Love | 216,425 | June 10, 1879 | 478 | 137 | 15 | 952 |
| Mechanical movement | D. T. Partlow | 219,409 | Sept. 9, 1879 | 416 | 116 | 16 | 473 |
| Mechanical movement | C. E. Patric | 212,621 | Feb. 25, 1879 | 955 | 264 | 15 | 264 |
| Mechanical movement | J. Pfitzenmeier | 220,305 | Oct. 7, 1879 | 108 | 29 | 16 | 649 |
| Mechanical movement | G. and A. Raymond | 212,112 | Feb. 11, 1879 | 338 | 92 | 15 | 171 |
| Mechanical movement | T. Scholze | 214,200 | Apr. 8, 1879 | 542 | 155 | 15 | 549 |
| Mechanical movement | J. F. Snediker | 211,600 | Jan. 21, 1879 | 613 | 173 | 15 | 81 |
| Mechanical movement | C. Tyson | 215,778 | May 27, 1879 | 927 | 272 | 15 | 844 |
| Mechanical movement | A. Warth | 220,007 | Sept. 23, 1879 | 1088 | 301 | 16 | 581 |
| Mechanical movement | A. Webster | 218,844 | Aug. 26, 1879 | 886 | 248 | 16 | 369 |
| Mechanical power | J. Hellman | 217,871 | July 29, 1879 | 1087 | 312, 313 | 16 | 180 |
| Medical compound | B. G. Du Rette | 216,317 | June 10, 1879 | 350 | ..... | 15 | 936 |
| Medical compound | G. S. Coleman | 219,689 | Sept. 16, 1879 | 720 | ..... | 16 | 522 |
| Medical compound | G. Collins | 221,909 | Nov. 25, 1879 | 914 | ..... | 16 | 964 |
| Medical compound | B. W. Hair | 219,396 | Sept. 9, 1879 | 400 | ..... | 16 | 471 |
| Medical compound | R. Hartman and H. I. McConnell | 219,858 | Sept. 23, 1879 | 923 | ..... | 16 | 558 |
| Medical compound | C. Heaton | 216,401 | June 10, 1879 | 453 | ..... | 15 | 949 |
| Medical compound | J. E. Kleber | 215,135 | May 6, 1879 | 183 | ..... | 15 | 724 |
| Medical compound | W. E. Rials | 223,169 | Dec. 30, 1879 | 1232 | ..... | 16 | 1220 |
| Medical compound | W. H. Ridgway | 214,453 | Apr. 15, 1879 | 859 | ..... | 15 | 599 |
| Medical compound for ague | A. Guyer and J. L. Atherton | 220,236 | Oct. 7, 1879 | 32 | ..... | 16 | 639 |
| Medical compound for catarrh | M. Tremblay | 218,602 | Aug. 12, 1879 | 568 | ..... | 16 | 308 |
| Medicaments, Apparatus for capsuling | S. Limousin | 216,197 | June 3, 1879 | 197 | 58 | 15 | 910 |
| Medicated band or belt | W. W. Vaughan and J. J. Thom | 222,754 | Dec. 16, 1879 | 743 | 213 | 16 | 1131 |
| Medicated beverage | J. G. Holland | 222,187 | Dec. 2, 1879 | 81 | ..... | 16 | 1020 |
| Medicated liquorice | W. E. Armstrong | 221,014 | Oct. 28, 1879 | 956 | ..... | 16 | 787 |
| Medicinal capsules, Apparatus for filling | V. E. Mauger | 219,285 | Sept. 2, 1879 | 261 | 73 | 16 | 444 |
| Medicine-package | J. H. Guild | 216,182 | June 3, 1879 | 183 | 54 | 15 | 908 |
| Medicine, Tape-worm | A. Nette | 219,825 | Sept. 23, 1879 | 895 | ..... | 16 | 554 |
| Medicine, Veterinary | N. and A. Rosenthal | 216,348 | June 10, 1879 | 394 | ..... | 15 | 941 |
| Merchandise-elevator | F. Imhorst | 222,137 | Dec. 2, 1879 | 21 | 6 | 16 | 1011 |
| Metal bars, Machine for reducing | G. J. Capewell | 215,719 | May 27, 1879 | 865 | 253, 254 | 15 | 836 |
| Metal-bending machine | E. W. Stewart | 220,503 | Oct. 14, 1879 | 335 | 89 | 16 | 689 |
| Metal-bending machine | A. Vivarttas | 217,560 | July 15, 1879 | 715 | 204 | 16 | 116 |
| Metal can, Hermetically-sealed | J. Broughton | 218,481 | Aug. 12, 1879 | 438 | 122 | 16 | 290 |
| Metal-cutters, Hardening and correcting circular | H. J. Sawyer and E. W. Wright | 220,432 | Oct. 7, 1879 | 244 | 65 | 16 | 668 |
| Metal, Device for cutting and turning round bars of | W. J. Ingalls | 214,149 | Apr. 8, 1879 | 493 | 140 | 15 | 542 |
| Metal, Galvanizing | W. H. Wahl and E. Y. Eltonhead | 221,200 | Nov. 4, 1879 | 66 | ..... | 16 | 821 |
| Metal grooving and swaging machine | I. G. McMillan | 215,384 | May 15, 1879 | 468 | 140 | 15 | 766 |
| Metal or brass, &c., Manufacture of yellow | G. F. Wilson, T. Jones, and C. A. Catlin. | 221,889 | Nov. 18, 1879 | 870 | 243 | 16 | 949 |
| Metal pipes, Bell-joint for coupling | S. L. Wiley | 220,322 | Oct. 7, 1879 | 127 | 35 | 16 | 652 |
| Metal plates, Machine for flanging | W. E. Bassett | 221,438 | Nov. 11, 1879 | 348 | 96 | 16 | 869 |
| Metal plates, Machine for flanging | R. C. Nugent | 214,181 | Apr. 8, 1879 | 523 | 149 | 15 | 546 |
| Metal rings, Manufacture of | W. T. Merserean | 218,128 | Aug. 5, 1879 | 23 | 7 | 16 | 224 |
| Metal-shearing machine | C. A. and L. K. Williams | 215,780 | May 27, 1879 | 929 | 273 | 15 | 845 |
| Metal trap, Soft | J. McCloskey | 220,767 | Oct. 21, 1879 | 651 | 173, 174 | 16 | 738 |
| Metal tubes, Machine for making | W. C. Allison | 222,852 | Dec. 23, 1879 | 867 | 250 | 16 | 1159 |
| Metal tubes, Machine for making | A. Ball | 212,425 | Feb. 18, 1879 | 704 | 195 | 15 | 222 |
| Metal tubes, Machine for scouring | W. C. Allison | 219,195 | Sept. 2, 1879 | 150 | 45 | 16 | 432 |
| Metal tubes, Machinery for the manufacture of | E. Peyton and T. Bourne | 217,141 | July 1, 1879 | 239 | 69, 70 | 16 | 33 |
| Metals by electrolysis, Separating | E. Andre | 214,344 | Apr. 15, 1879 | 741 | 207 | 15 | 584 |
| Metals, Coating | A. B. and W. P. Brown | 213,319 | Mar. 18, 1879 | 653 | ..... | 15 | 397 |
| Metals, Composition for cleansing the surfaces of | A. B. Brown | 214,360 | Apr. 15, 1879 | 762 | ..... | 15 | 586 |
| Metals, Composition for coating | A. B. and W. P. Brown | 221,028 | Oct. 28, 1879 | 979 | ..... | 16 | 788 |
| Metals, Preparing paper, &c., for protecting | S. C. Eaton | 213,100 | Mar. 11, 1879 | 403 | ..... | 15 | 356 |
| Metals with platinum, Coating | J. B. A. Dodé | 219,807 | Sept. 23, 1879 | 876 | ..... | 16 | 551 |
| Metals, Working cast malleable | E. Wheeler | 213,856 | Apr. 1, 1879 | 135 | 40 | 15 | 490 |
| Metallic and non-metallic box | J. C. Blissard | 211,884 | Feb. 4, 1879 | 71 | 21 | 15 | 135 |
| Metallic can | C. Green and W. Wilson, jr. | 217,211 | July 8, 1879 | 330 | 98 | 16 | 54 |
| Metallic can | G. L. Merrill | 211,578 | Jan. 21, 1879 | 587 | 166 | 15 | 78 |
| Metallic can | G. H. Perkins | 214,583 | Apr. 22, 1879 | 1024 | 289 | 15 | 627 |
| Metallic can | G. H. Perkins and G. Brown | 214,698 | Apr. 22, 1879 | 1143 | 322 | 15 | 643 |
| Metallic plates, Manufacturing ornamented | W. M. Hedges | 221,231 | Nov. 4, 1879 | 101 | 26 | 16 | 826 |
| Metallic vessel or measure | G. W. McKim | 212,721 | Feb. 25, 1879 | 1053 | 292 | 15 | 277 |
| Metallurgic gas-furnace | W. Swindell | 219,603 | Sept. 16, 1879 | 626 | 174 | 16 | 508 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Pagg. |
|---|---|---|---|---|---|---|---|
| Meteorological instrument | A. J. Myer | 216,440 | June 10, 1879 | 497 | 142 | 15 | 955 |
| Meter: | | | | | | | |
| *See* Diaphragm-meter. Piston-meter. Gas-meter. Water-meter. Grain-meter. | | | | | | | |
| Micrometer-gage | E. A. Bourquin | 215,041 | May 6, 1879 | 63 | 19, 20 | 15 | 710 |
| Micrometer-gage | J. Richards | 219,307 | Sept. 2, 1879 | 289 | 81 | 16 | 448 |
| Micrometer-screw gage | G. W. Dickinson | 211,975 | Feb. 4, 1879 | 173 | 50 | 15 | 148 |
| Microscope | W. H. Bulloch | 215,878 | May 27, 1879 | 1046 | 305 | 15 | 859 |
| Microscope | E. Gundlach | 211,507 | Jan. 21, 1879 | 507 | 143 | 15 | 68 |
| Microscope for examining flour and bolting-cloths | H. J. Deal | 214,283 | Apr. 15, 1879 | 663 | 185 | 15 | 574 |
| Middlings, flour, &c., Feed-roll for | C. A. W. Jaquett | 216,617 | June 17, 1879 | 697 | 199 | 15 | 991 |
| Middlings from grain, Process of and apparatus for making. | T. Wallace | 220,950 | Oct. 28, 1879 | 876 | 234, 235 | 16 | 776 |
| Middlings-purifier | E. S. Bartholomew | 212,834 | Mar. 4, 1879 | 63 | 19 | 15 | 306 |
| Middlings-purifier | J. Fitz | 217,788 | July 22, 1879 | 982 | 281 | 16 | 160 |
| Middlings-purifier | J. B. Mecartney | 217,891 | July 29, 1879 | 1109 | 318 | 16 | 183 |
| Middlings-purifier | W. S. and J. L. Snyder | 214,850 | Apr. 29, 1879 | 1337 | 372 | 15 | 675 |
| Middlings-purifier | H. White | 216,121 | June 3, 1879 | 120 | 35 | 15 | 900 |
| Middlings-purifying machine | J. H. Redfield | 214,314 | Apr. 15, 1879 | 710 | 198, 199 | 15 | 580 |
| Middlings scourer and purifier | G. Summerton | 221,751 | Nov. 18, 1879 | 707 | 198 | 16 | 927 |
| Middlings, &c., separating machine | A. and A. N. Wolf | 214,073 | Apr. 8, 1879 | 419 | 118 | 15 | 532 |
| Middlings-separator | W. P. Anthony | 211,683 | Jan. 28, 1879 | 723 | 202 | 15 | 99 |
| Middlings-separator | D. Charlesworth | 214,621 | Apr. 22, 1879 | 1067 | 299 | 15 | 633 |
| Middlings-separator | G. H. Doano | 211,501 | Jan. 21, 1879 | 495 | 140 | 15 | 66 |
| Middlings-separator | M. Dorsey | 220,355 | Oct. 7, 1879 | 160 | 43 | 16 | 656 |
| Middlings-separator | W. H. Forman and M. F. Williams. | 213,328 | Mar. 18, 1879 | 662 | 187 | 15 | 398 |
| Middlings-separator | C. B. Hill | 214,388 | Apr. 15, 1879 | 794 | 223 | 15 | 590 |
| Middlings-separator | C. F. Keller | 216,333 | June 10, 1879 | 379 | 108 | 15 | 939 |
| Middlings-separator | L. Klemm | 211,165 | Jan. 7, 1879 | 95 | 30 | 15 | 13 |
| Middlings-separator | W. A. Reimers and J. Bierbauer. | 211,785 | Jan. 28, 1879 | 841 | 236 | 15 | 115 |
| Middlings-separator | J. Schoonover | 212,406 | Feb. 18, 1879 | 677 | 189 | 15 | 219 |
| Middlings-separator | S. S. Shaver | 214,717 | Apr. 22, 1879 | 1167 | 328 | 15 | 646 |
| Middlings-separator | R. J. Skinner | 218,583 | Aug. 12, 1879 | 549 | 154 | 16 | 306 |
| Middlings-separator | W. and N. Thayer | 215,491 | May 20, 1879 | 609 | 179 | 15 | 793 |
| Middlings-separator | B. Wirt and H. G. Clouser | 212,292 | Feb. 11, 1879 | 535 | 150 | 15 | 197 |
| Military accouterments | J. E. Bloom | 216,017 | June 3, 1879 | 11 | 3 | 15 | 886 |
| Milk-can | C. C. Fairlamb | 222,988 | Dec. 30, 1879 | 1027 | 294 | 16 | 1192 |
| Milk-can | F. J. Seymour | 222,743 | Dec. 16, 1879 | 731 | 210 | 16 | 1130 |
| Milk, Centrifugal machine for creaming | W. C. L. Lefeldt and C. G. O. Lentsch. | 218,753 | Aug. 19, 1879 | 747 | 213 | 16 | 341 |
| Milk-cooler | R. Aucutt | 215,426 | May 20, 1879 | 529 | 157 | 15 | 783 |
| Milk-cooler | L. B. Austin | 212,830 | Mar. 4, 1879 | 58 | 18 | 15 | 305 |
| Milk-cooler | C. L. and S. P. Bacheller | 216,640 | June 17, 1879 | 716 | 205 | 15 | 994 |
| Milk-cooler | A. C. Clark | 222,666 | Dec. 16, 1879 | 655 | 188 | 16 | 1118 |
| Milk-cooler | D. Ford and F. G. Butler | 215,903 | May 27, 1879 | 1072 | 312 | 15 | 862 |
| Milk-cooler | D. W. Hull | 217,221 | July 8, 1879 | 340 | 101 | 16 | 55 |
| Milk-cooler | O. Leonard | 215,376 | May 13, 1879 | 461 | 138 | 15 | 765 |
| Milk-cooler | W. E. Lincoln | 219,359 | Sept. 9, 1879 | 355 | 101 | 16 | 465 |
| Milk-cooler | F. W. Moseley | 218,765 | Aug. 19, 1879 | 761 | 216 | 16 | 343 |
| Milk-cooler | O. C. Nunhson | 223,162 | Dec. 30, 1879 | 1224 | 346 | 16 | 1219 |
| Milk-cooler | A. E. Turvey | 217,454 | July 8, 1879 | 564 | 162 | 16 | 83 |
| Milk-cooler | D. Van Hovenberg | 218,463 | Aug. 12, 1879 | 416 | 114 | 16 | 287 |
| Milk-cooler | J. White | 215,419 | May 13, 1879 | 510 | 151 | 15 | 771 |
| Milk from cream, Device for separating | G. A. Kennedy | 214,401 | Apr. 15, 1879 | 807 | 226 | 15 | 592 |
| Milk-jar | G. M. Richardson | 217,551 | July 15, 1879 | 703 | 201 | 16 | 114 |
| Milk-jar cork | A. Cunningham | 217,072 | July 1, 1879 | 165 | 48 | 16 | 23 |
| Milk, Machine for creaming | H. F. Bond | 220,516 | Oct. 14, 1879 | 350 | 92 | 16 | 691 |
| Milk or cream, Can for transporting | J. G. Cherry | 222,814 | Dec. 23, 1879 | 821 | 235 | 16 | 1152 |
| Milk-pan | J. G. Cherry | 219,910 | Sept. 23, 1879 | 980 | 272 | 16 | 566 |
| Milk-pan | C. C. Fairlamb | 215,812 | May 27, 1879 | 970 | 284 | 15 | 849 |
| Milk, Preserving | C. A. Catlin | 214,489 | Apr. 22, 1879 | 910 | ..... | 15 | 614 |
| Milk-receiver | F. Donaldson | 214,893 | Apr. 29, 1879 | 1379 | 383, 384 | 15 | 680 |
| Milk-receptacle | M. P. Allen | 219,666 | Sept. 16, 1879 | 706 | 196 | 16 | 519 |
| Milk, sugar, &c., Process and apparatus for granulating and desiccating. | J. R. Pond | 219,411 | Sept. 9, 1879 | 418 | 116 | 16 | 473 |
| Milk, Vessel for setting | M. C. Weld | 218,608 | Aug. 12, 1879 | 576 | 162 | 16 | 309 |
| Milk, Vessel for setting and cooling | D. Lockhart | 217,122 | July 1, 1879 | 221 | 63 | 16 | 31 |
| Milker, Cow | A. C. Baldwin | 212,423 | Feb. 18, 1879 | 701 | 194 | 15 | 222 |
| Milker, Cow | J. Cooper | 213,628 | Mar. 25, 1879 | 981 | 278 | 15 | 448 |
| Milker, Cow | S. G. Major | 211,170 | Jan. 7, 1879 | 99 | 31 | 15 | 14 |
| Milker, Mechanical cow | A. A. Durand | 216,838 | June 24, 1879 | 959 | 273 | 15 | 1034 |
| Mill: | | | | | | | |
| *See* Apple-mill. Attrition-mill. Bark-mill. Bone-grinding mill. Cider-mill. Clay-mill. Coffee-mill. Crushing and pulverizing mill. Disintegrating-mill. Fanning-mill. Fulling-mill. Grinding-mill. Grinding and pulverizing mill. Ore-mill. Ore stamping mill. Quartz-mill. Rolling-mill. Stamp-mill. Stamping-mill. Windmill. Wine or cider mill. | | | | | | | |
| Mill-burr dress | L. Strayer | 218,796 | Aug. 19, 1879 | 791 | 225 | 16 | 347 |
| Mill-feeding apparatus | J. H. Redfield | 221,899 | Nov. 18, 1879 | 884 | 247, 248 | 16 | 951 |
| Mill-pick | J. H. Cain | 213,975 | Apr. 8, 1879 | 278 | 81 | 15 | 517 |
| Mill-staff gage | J. Miltenberger | 211,922 | Feb. 4, 1879 | 115 | 33 | 15 | 140 |
| Miller's proof-staff and red-staff | T. M. Logan | 213,339 | Mar. 18, 1879 | 676 | 190 | 15 | 400 |
| Millstone-adjustment | S. P. Walling | 212,525 | Feb. 18, 1879 | 833 | 231 | 15 | 249 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Millstone-cushion, Elastic | S. Keith | 218, 884 | Aug. 26, 1879 | 931 | 262 | 16 | 376 |
| Millstone-dress | W. C. Hale | 221, 727 | Nov. 18, 1879 | 685 | 191 | 16 | 924 |
| Millstone-dressing device | G. W. Jones | 222, 707 | Dec. 16, 1879 | 697 | 200 | 16 | 1125 |
| Millstone-dressing machine | T. P. Benton | 222, 443 | Dec. 9, 1879 | 369 | 105 | 16 | 1069 |
| Millstone-dressing machine | C. H. Browne | 218, 660 | Aug. 19, 1879 | 649 | 183, 184 | 16 | 327 |
| Millstone-dressing machine | J. C. Cookson and S. L. Hart | 214, 889 | Apr. 29, 1879 | 1374 | 382 | 15 | 680 |
| Millstone-dressing machine | D. L. Ellis | 214, 638 | Apr. 22, 1879 | 1083 | 304 | 15 | 635 |
| Millstone-dressing machine | W. Griscom | 221, 551 | Nov. 11, 1879 | 487 | 133 | 16 | 888 |
| Millstone-dressing machine | P. M. Haas | 211, 567 | Jan. 21, 1879 | 574 | 162, 163 | 15 | 76 |
| Millstone-dressing machine | F. H. Plummer | 219, 514 | Sept. 9, 1879 | 522 | 146 | 16 | 487 |
| Millstone-dressing machine | H. W. Steinsiek | 220, 187 | Sept. 30, 1879 | 1313 | 363 | 16 | 620 |
| Millstone-dressing machine | E. H. C. A. T. Vulpius | 221, 634 | Nov. 11, 1879 | 572 | 158 | 16 | 901 |
| Millstone-dressing machine, Diamond | T. P. Benton | 214, 872 | Apr. 29, 1879 | 1358 | 378 | 15 | 678 |
| Millstone-dressing machine, Diamond | C. S. Hoover | 220, 242 | Oct. 7, 1879 | 38 | 10 | 16 | 640 |
| Millstone-dressing machine, Diamond | T. McFeely | 213, 996 | Apr. 8, 1879 | 300 | 87 | 15 | 520 |
| Millstone-driver | W. J. Blackwell | 216, 824 | June 24, 1879 | 942 | 268 | 15 | 1032 |
| Millstone-driver | W. F. Cochrane | 214, 626 | Apr. 22, 1879 | 1071 | 301 | 15 | 634 |
| Millstone-driver | J. C. Dano | 212, 199 | Feb. 11, 1879 | 442 | 121 | 15 | 184 |
| Millstone-driver | W. H. Dickey | 221, 796 | Nov. 18, 1879 | 773 | 216 | 16 | 935 |
| Millstone-driver | W. T. Duvall | 214, 118 | Apr. 8, 1879 | 461 | 131 | 15 | 538 |
| Millstone-driver | W. Johnson | 222, 501 | Dec. 9, 1879 | 442 | 127 | 16 | 1079 |
| Millstone-driver | W. Patterson | 215, 662 | May 20, 1879 | 798 | 234 | 15 | 819 |
| Millstone-driver | G. T. Smith and W. F. Cochrane | 216, 704 | June 17, 1879 | 786 | 224 | 15 | 1003 |
| Millstone-exhaust apparatus | J. Q. Adams | 213, 963 | Apr. 8, 1879 | 265 | 77 | 15 | 515 |
| Millstone-feeder | C. Weaver | 217, 436 | July 8, 1879 | 565 | 162 | 16 | 84 |
| Millstone-pick | R. J. Wheatly | 213, 961 | Apr. 1, 1879 | 245 | 71 | 15 | 504 |
| Millstone-polisher | H. Deal | 219, 391 | Sept. 9, 1879 | 395 | 110 | 16 | 470 |
| Millstone-setting | W. L. Teter | 212, 160 | Feb. 11, 1879 | 391 | 107 | 15 | 178 |
| Millstone supporting and driving device | O. J. Bollinger | 221, 906 | Nov. 25, 1879 | 910 | 254, 255 | 16 | 964 |
| Millstones, Curb or hoop for | J. S. Detwiler | 212, 361 | Feb. 18, 1879 | 625 | 176 | 15 | 212 |
| Millstones, Dressing | D. Brubaker | 216, 597 | June 17, 1879 | 675 | 192 | 15 | 988 |
| Millstones, Shell for incasing | D. W. Marnon | 216, 048 | June 3, 1879 | 48 | 13 | 15 | 891 |
| Millstones, Straightening the faces of | W. Lehmann | 211, 244 | Jan. 7, 1879 | 180 | 53 | 15 | 24 |
| Millstones, Ventilating | G. Helfert | 213, 900 | Apr. 1, 1879 | 184 | 53 | 15 | 490 |
| Milliner's and hatter's iron | V. Henry | 217, 217 | July 8, 1879 | 336 | 900 | 16 | 54 |
| Mine-draining apparatus, Automatic | J. R. Wilcox | 219, 050 | Aug. 26, 1879 | 1104 | 310 | 16 | 399 |
| Mines, Apparatus for cooling | J. L. and D. H. Coles | 219, 222 | Sept. 2, 1879 | 187 | 56 | 16 | 436 |
| Mines, Machine for raising tailings in | E. Chaquette | 222, 381 | Dec. 9, 1879 | 300 | 83 | 16 | 1060 |
| Mining-drill | R. C. Fishburn | 218, 374 | Aug. 12, 1879 | 310 | 85 | 16 | 273 |
| Mining-drill | F. B. Parrish | 220, 863 | Oct. 21, 1879 | 756 | 202 | 16 | 752 |
| Mining-drill | C. F. Wilkinson, L. S. Allison, P. Riley, and A. Mochamer. | 221, 378 | Nov. 4, 1879 | 267 | 72 | 16 | 849 |
| Mining-flume, Portable | J. Howe and N. Waite | 216, 325 | June 10, 1879 | 363 | 104 | 15 | 937 |
| Mining-machine | F. M. Lechner | 211, 100 | Jan. 7, 1879 | 21 | 8 | 15 | 3 |
| Mining-machine | S. F. Lechner | 218, 445 | Aug. 12, 1879 | 389 | 107 | 16 | 283 |
| Mining machine, Coal | J. W. Harrison | 219, 090 | Sept. 2, 1879 | 38 | 12 | 16 | 417 |
| Mining-machinery | R. Cotter | 214, 241 | Apr. 15, 1879 | 610 | 173 | 15 | 567 |
| Mining, Placer | W. C. Kerr | 215, 004 | May 6, 1879 | 24 | 8 | 15 | 706 |
| Mining-sluice | J. M. Robinson | 221, 742 | Nov. 18, 1879 | 697 | 195 | 16 | 926 |
| Mining-tool | J. and I. Gifford | 220, 070 | Sept. 30, 1879 | 1178 | 324 | 16 | 601 |
| Mirror, Folding | N. F. McEvoy | 220, 853 | Oct. 21, 1879 | 747 | 199 | 16 | 750 |
| Mirror, Hand | C. E. Page | 218, 396 | Aug. 12, 1879 | 332 | 92 | 16 | 276 |
| Mirror-standards, Coupling-brace for | J. Seiler | 221, 109 | Oct. 28, 1879 | 1059 | 281 | 16 | 800 |
| Mirrors, Protecting the backs of | G. W. Walker | 216, 587 | June 17, 1879 | 664 | .. | 15 | 986 |
| Mirrors, Swinging | J. Parry | 221, 858 | Nov. 18, 1879 | 842 | 235 | 16 | 945 |
| Miter-bevels, Device for obtaining | W. Harbaugh | 211, 235 | Jan. 7, 1879 | 172 | 54 | 15 | 23 |
| Miter-box | J. Reid | 219, 521 | Sept. 9, 1879 | 530 | 148 | 16 | 488 |
| Miter-box | D. C. Rogers and A. D. Goodell | 220, 732 | Oct. 21, 1879 | 609 | 163 | 16 | 733 |
| Miter-cutter | W. R. Fox | 216, 608 | June 17, 1879 | 687 | 196 | 15 | 989 |
| Miter-gage | W. W. Mackey | 223, 053 | Dec. 30, 1879 | 1098 | 312 | 16 | 1202 |
| Miter-machine | J. J. Spilker | 212, 409 | Feb. 18, 1879 | 680 | 190 | 15 | 229 |
| Mitten | H. W. Price | 220, 308 | Oct. 7, 1879 | 111 | 29, 30 | 16 | 650 |
| Mixer: *See* Dough-mixer. | | | | | | | |
| Mixing, crushing, and drying granular materials, Apparatus for. | J. N. Fleming | 221, 543 | Nov. 11, 1879 | 477 | 130 | 16 | 886 |
| Moistening device | W. W. Beach | 212, 175 | Feb. 11, 1879 | 407 | 111 | 15 | 180 |
| Mold: *See* Brick-mold. Butter-mold. Car-wheel mold. Chill-mold. Cigar-mold. Crucible and pottery mold. Glass-mold. Glass-jar mold. Plasterer's mold. | | | | | | | |
| Molds, Runner or head-gate for | W. S. G. Baker | 214, 746 | Apr. 29, 1879 | 1213 | 341 | 15 | 659 |
| Molder's flasks, Pin and eye-plate for | G. B. Head | 218, 174 | Aug. 5, 1879 | 78 | 21 | 16 | 231 |
| Molder's tool | G. Sheed | 213, 073 | Mar. 11, 1879 | 364 | 102 | 15 | 352 |
| Molding, Follow-board for metal | A. Faulkner | 211, 624 | Jan. 28, 1879 | 656 | 184 | 15 | 90 |
| Molding-machine | L. Wenchel | 217, 183 | July 1, 1879 | 280 | 83 | 16 | 39 |
| Molding machine, Wood | L. Wenchel | 222, 970 | Dec. 23, 1879 | 999 | 286, 287 | 16 | 1178 |
| Molding plastic materials | J. Crane | 220, 348 | Oct. 7, 1879 | 152 | ..... | 16 | 655 |
| Molding tubular articles | S. J. Adams | 211, 951 | Feb. 4, 1879 | 148 | 43 | 15 | 145 |
| Moldings, Machine for applying composition to | T. J. Sammons | 218, 831 | Aug. 26, 1879 | 859 | 242 | 16 | 366 |
| Moldings of cartou-pierre, &c., Manufacturing ornamented. | P. Bedeau | 219, 843 | Sept. 23, 1879 | 910 | 251 | 16 | 556 |
| Monkey-wrench | W. M. Green | 216, 516 | June 17, 1879 | 587 | 167 | 15 | 9[illegible]6 |
| Monkey-wrench | B. W. Lloyd | 217, 697 | July 22, 1879 | 889 | 253 | 16 | [illegible]47 |
| Monument | J. R. Winner | 214, 339 | Apr. 15, 1879 | 737 | 206 | 15 | [illegible]85 |
| Mop | D. Marden | 220, 398 | Oct. 7, 1879 | 210 | 56 | 16 | 663 |
| Mop-head | H. March | 212, 489 | Feb. 18, 1879 | 783 | 217 | 15 | 253 |
| Mop-head | W. H. Thayer | 217, 832 | July 22, 1879 | 1029 | 295 | 16 | 166 |
| Mop-wringer | W. Boswell | 217, 675 | July 22, 1879 | 864 | 246 | 16 | 141 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Mop-wringer | C. Pennington | 211, 344 | Jan. 14, 1879 | 323 | 95 | 15 | 42 |
| Mop-wringer | W. H. Thayer | 217, 833 | July 22, 1879 | 1031 | 295 | 16 | 166 |
| Mortar-mixing machine | C. T. Rowe | 217, 297 | July 8, 1879 | 417 | 123 | 16 | 65 |
| Mortising-machine | E. H. N. Clarkson | 216, 722 | June 24, 1879 | 821 | 235 | 15 | 1017 |
| Mortising door for locks, Machine for | H. A. Holt | 218, 028 | July 29, 1879 | 1258 | 359, 360 | 16 | 202 |
| Moth-box | H. Weidenbusch | 215, 700 | May 20, 1879 | 837 | 244 | 15 | 824 |
| Moth-proof fur-case | C. M. Parker | 215, 835 | May 27, 1879 | 998 | 290 | 15 | 853 |
| Motion by impact, Combined lever rotary | H. B. Keiper | 216, 794 | June 24, 1879 | 909 | 259 | 15 | 1028 |
| Motion, Converting | E. J. Frost | 216, 032 | June 3, 1879 | 20 | 8 | 15 | 888 |
| Motion, Device for converting | R. P. Bowdoin | 215, 872 | May 27, 1879 | 1041 | 303 | 15 | 858 |
| Motion, Device for converting | A. C. Burke | 217, 858 | July 29, 1879 | 1072 | 308 | 16 | 178 |
| Motion, Device for converting | R. Gray | 214, 503 | Apr. 22, 1879 | 925 | 261 | 15 | 616 |
| Motion, Device for converting | J. S. Lamar | 218, 887 | Aug. 26, 1879 | 936 | 262 | 16 | 377 |
| Motion, Device for converting reciprocating into rotary. | J. Skinner | 216, 537 | June 17, 1879 | 608 | 172 | 15 | 979 |
| Motion, Device for transmitting | S. Dennis | 218, 500 | Aug. 12, 1879 | 460 | 128 | 16 | 293 |
| Motion, Device for transmitting and reversing | P. Pfleiderer | 212, 738 | Feb. 25, 1879 | 1070 | 297 | 15 | 280 |
| Motion, Device for transmitting rotary | M. G. Howe | 222, 909 | Dec. 23, 1879 | 930 | 267 | 16 | 1169 |
| Motion, Mechanism for converting reciprocating into rotary. | W. T. Burrows | 221, 775 | Nov. 18, 1879 | 734 | 204 | 16 | 931 |
| Motion, Mechanism for converting reciprocating into rotary. | I. N. Ellis and R. W. Rule | 216, 560 | June 17, 1879 | 632 | 178, 179 | 15 | 982 |
| Motion, Mechanism for converting reciprocating into rotary. | W. F. Goodwin and E. F. Roberts | 214, 645 | Apr. 22, 1879 | 1089 | 305 | 15 | 636 |
| Motor: *See* Calisthenic motor. Churn-motor. Current-motor. Electric motor. Electro-magnetic motor. Fluid-motor. Gas-motor. Grinding-mill motor. Hydraulic motor. Hydro-motor. Machinery-motor. Mechanical motor. Pneumatic motor. Sewing-machine motor. Sewing-machine water-motor. Spring-motor. Steam-motor. Steam or water motor. Street-motor. Toy motor. Water-motor. Weight-motor. Wind-motor. Windmill-motor. | | | | | | | |
| Motor | J. M. Cayce | 221, 779 | Nov. 18, 1879 | 737 | 205 | 16 | 932 |
| Motor | T. Mayhew | 217, 392 | July 8, 1879 | 516 | 150 | 16 | 78 |
| Motor | E. J. Molera and J. C. Cebrian | 212, 038 | Feb. 4, 1879 | 243 | 67 | 15 | 156 |
| Motor | F. M. Morgan | 221, 340 | Nov. 4, 1879 | 228 | 62 | 16 | 844 |
| Motor | J. Plattenburg | 212, 977 | Mar. 4, 1879 | 243 | 66 | 15 | 328 |
| Motor | W. C. Reicheneker | 218, 576 | Aug. 12, 1879 | 541 | 152 | 16 | 305 |
| Motor | J. Romig | 221, 424 | Nov. 11, 1879 | 334 | 92 | 16 | 867 |
| Motor and apparatus for utilizing it | W. S. Colwell | 219, 622 | Sept. 16, 1879 | 649 | 180, 181 | 16 | 512 |
| Motor and apparatus for utilizing it | W. S. Colwell | 220, 220 | Oct. 7, 1879 | 8 | 3 | 16 | 636 |
| Motor-engine | E. J. Molera and J. C. Cebrian | 212, 037 | Feb. 4, 1879 | 237 | 66, 67 | 15 | 156 |
| Motor for sewing-machines and other machinery | T. B. Carr | 215, 095 | May 6, 1879 | 124 | 37 | 15 | 718 |
| Movement, Double rack and pinion | D. Z. Lantz | 218, 819 | Aug. 26, 1879 | 848 | 239 | 16 | 365 |
| Mower | F. Bramer | 220, 796 | Oct. 21, 1879 | 690 | 182, 183 | 16 | 742 |
| Mower | R. Campbell | 217, 268 | July 8, 1879 | 386 | 114, 115 | 16 | 61 |
| Mower | M. H. Johnston | 222, 280 | Dec. 2, 1879 | 184 | 49 | 16 | 1034 |
| Mower | J. H. Jones | 218, 534 | Aug. 12, 1879 | 497 | 139, 140 | 16 | 298 |
| Mower | W. J. Klaunig | 211, 163 | Jan. 7, 1879 | 93 | 29 | 15 | 13 |
| Mower | W. R. Otis | 216, 754 | June 24, 1879 | 863 | 245 | 15 | 1022 |
| Mower | W. D. Paxton | 212, 048 | Feb. 4, 1879 | 259 | 70, 71 | 15 | 158 |
| Mower | W. F. Rundell | 220, 870 | Oct. 21, 1879 | 763 | 204 | 16 | 752 |
| Mower | J. D. Wilber | 211, 122 | Jan. 7, 1879 | 50 | 16 | 15 | 7 |
| Mower and reaper | C. N. Pike | 219, 757 | Sept. 16, 1879 | 798 | 220 | 16 | 532 |
| Mower and reaper knives, Machine for sharpening | C. Prince | 212, 568 | Feb. 25, 1879 | 895 | 247 | 15 | 256 |
| Mower, Lawn | G. E. Burt | 220, 120 | Sept. 30, 1879 | 1234 | 340 | 16 | 609 |
| Mower, Lawn | H. G. Fiske | 220, 226 | Oct. 7, 1879 | 17 | 5 | 16 | 637 |
| Mower, Lawn | C. Gates | 222, 626 | Dec. 16, 1879 | 605 | 172 | 16 | 1111 |
| Mower, Lawn | E. L. Hartmann and M. Braun | 222, 493 | Dec. 9, 1879 | 434 | 124 | 16 | 1078 |
| Mower, Lawn | A. Jusberg | 215, 366 | May 13, 1879 | 450 | 135 | 15 | 763 |
| Mower, Lawn | W. Lorey | 214, 411 | Apr. 15, 1879 | 817 | 229 | 15 | 593 |
| Mower, Lawn | E. G. Passmore | 216, 056 | June 3, 1879 | 55 | 15 | 15 | 891 |
| Mower, Lawn | T. J. Sayre | 212, 626 | Feb. 25, 1879 | 961 | 265 | 15 | 265 |
| Mower, Lawn | A. J. Whitcomb | 221, 640 | Nov. 11, 1879 | 576 | 160 | 16 | 901 |
| Mower, Lawn-edge | T. Hanley | 220, 829 | Oct. 21, 1879 | 723 | 191 | 16 | 747 |
| Mowing and reaping machine | G. O. S. Conway | 215, 724 | May 27, 1879 | 872 | 255 | 15 | 837 |
| Mowing-machine | A. J. Berryhill | 211, 454 | Jan. 21, 1879 | 450 | 127 | 14 | 61 |
| Mowing-machine | F. H. Bryan | 219, 066 | Sept. 2, 1879 | 9 | 3 | 16 | 414 |
| Mowing-machine | W. E. Budd | 215, 566 | May 20, 1879 | 690 | 203 | 15 | 804 |
| Mowing-machine | D. Crowell | 212, 198 | Feb. 11, 1879 | 441 | 121 | 15 | 184 |
| Mowing-machine | R. Dutton | 212, 135 | Feb. 11, 1879 | 366 | 100 | 15 | 175 |
| Mowing-machine | J. H. Green | 219, 251 | Sept. 2, 1879 | 226 | 65 | 16 | 441 |
| Mowing-machine | A. Törnquist | 211, 946 | Feb. 4, 1879 | 140 | 40 | 15 | 144 |
| Mowing-machine | W. A. Wood | 220, 953 | Oct. 28, 1879 | 881 | 235, 236 | 16 | 777 |
| Mowing-machines, Pawl and ratchet mechanism for. | H. A. Dean | 219, 698 | Sept. 16, 1879 | 741 | 205 | 16 | 524 |
| Mucilage-holder | D. L. Mulford | 211, 104 | Jan. 7, 1879 | 26 | 9 | 15 | 4 |
| Mucilage-holder | W. J. Schilling | 217, 490 | July 15, 1879 | 638 | 182 | 16 | 105 |
| Mucilage holder and distributer | H. S. Carley | 213, 385 | Mar. 18, 1879 | 718 | 201 | 15 | 406 |
| Muffle-furnace | J. R. Clark | 218, 489 | Aug. 12, 1879 | 446 | 124 | 16 | 290 |
| Muffle-furnace | J. O. Stewart | 219, 122 | Sept. 2, 1879 | 73 | 23 | 16 | 422 |
| Muffler, Head | S. K. Troelicht | 214, 326 | Apr. 15, 1879 | 722 | 202 | 15 | 581 |
| Music-box | A. Paillard | 212, 108 | Feb. 11, 1879 | 333 | 91 | 15 | 170 |

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|---|---|---|---|---|---|---|---|
| Music-holder | B. M. Ayres | 214, 608 | Apr. 22, 1879 | 1053 | 296 | 15 | 631 |
| Music-holder and leaf-turner | E. F. Kennedy | 217, 880 | July 29, 1879 | 1098 | 315 | 16 | 182 |
| Music-leaf turner | O. H. Goodwin | 212, 846 | Mar. 4, 1879 | 73 | 22 | 15 | 307 |
| Music-leaf turner | W. T. Moore | 217, 473 | July 15, 1879 | 621 | 177 | 16 | 103 |
| Music-sheet for mechanical musical instruments | E. P. Needham | 219, 297 | Sept. 2, 1879 | 277 | 78 | 16 | 447 |
| Music-stand | E. D. Blood and I. E. Shepardson | 218, 854 | Aug. 26, 1879 | 896 | 250 | 16 | 371 |
| Music-stand | G. W. Hessler | 212, 695 | Feb. 25, 1879 | 1023 | 284 | 15 | 273 |
| Musical box | H. J. A. Métérт | 215, 146 | May 6, 1879 | 194 | 55 | 15 | 726 |
| Musical-instrument attachment | M. J. Matthews and J. P. Richardson. | 216, 429 | June 10, 1879 | 481 | 138 | 15 | 953 |
| Musical instrument, Mechanical | O. H. Arno | 213, 160 | Mar. 11, 1879 | 472 | 131 | 15 | 365 |
| Musical instrument, Mechanical | O. H. Arno | 213, 604 | Mar. 25, 1879 | 954 | 271 | 15 | 444 |
| Musical instrument, Mechanical | O. H. Arno | 223, 091 | Dec. 30, 1879 | 1148 | 324 | 16 | 1208 |
| Musical instrument, Mechanical | M. Gally | 214, 121 | Apr. 8, 1879 | 464 | 132, 133 | 15 | 538 |
| Musical instrument, Mechanical | M. Gally | 220, 369 | Oct. 7, 1879 | 176 | 47 | 16 | 659 |
| Musical instrument, Mechanical | M. Gally | 222, 030 | Nov. 25, 1879 | 1044 | 293 | 16 | 981 |
| Musical instrument, Mechanical | G. B. Kelly and M. J. Matthews | 217, 798 | July 22, 1879 | 990 | 284 | 16 | 161 |
| Musical instrument, Mechanical | M. J. Matthews | 211, 634 | Jan. 28, 1879 | 669 | 188 | 15 | 92 |
| Musical instrument, Mechanical | M. J. Matthews | 211, 635 | Jan. 28, 1879 | 671 | 188, 189 | 15 | 92 |
| Musical instrument, Mechanical | M. J. Matthews | 211, 636 | Jan. 28, 1879 | 673 | 189 | 15 | 92 |
| Musical instrument, Mechanical | M. J. Matthews | 216, 622 | June 17, 1879 | 701 | 200, 201 | 15 | 991 |
| Musical instrument, Mechanical | C. A. Needham | 221, 695 | Nov. 18, 1879 | 643 | 180 | 16 | 919 |
| Musical instrument, Mechanical | C. A. Needham | 221, 696 | Nov. 18, 1879 | 645 | 181 | 16 | 919 |
| Musical instrument, Mechanical | E. P. Needham | 213, 443 | Mar. 18, 1879 | 773 | 218 | 15 | 414 |
| Musical instrument, Mechanical | E. P. Needham | 215, 831 | May 27, 1879 | 992 | 289 | 15 | 852 |
| Musical instrument, Mechanical | E. P. Needham | 221, 343 | Nov. 4, 1879 | 231 | 63 | 16 | 844 |
| Musical instrument, Mechanical | O. H. Needham | 213, 442 | Mar. 18, 1879 | 772 | 217 | 15 | 414 |
| Musical instrument, Mechanical | O. H. & C. A. Needham | 215, 284 | May 13, 1879 | 369 | 107 | 15 | 752 |
| Musical instrument, Mechanical | R. W. Pain | 218, 308 | Aug. 5, 1879 | 224 | 60 | 16 | 251 |
| Musical instrument sound-board | E. Marx and E. Taubald | 211, 337 | Jan. 14, 1879 | 317 | 94 | 15 | 41 |
| Musical instruments, Adjustable key-board for | H. Heubach | 214, 566 | Apr. 22, 1879 | 1007 | 283 | 15 | 625 |
| Musical instruments, Automatic attachment for key-board. | J. W. Chambers | 218, 663 | Aug. 19, 1879 | 653 | 184, 185 | 16 | 328 |
| Musical instruments, Pedal for | J. Jaberg | 211, 663 | Jan. 28, 1879 | 704 | 197 | 15 | 97 |
| Musical-note tablet | P. Engers | 211, 722 | Jan. 28, 1879 | 770 | 216 | 15 | 105 |
| Mustache cup and glass | A. Schenck | 213, 455 | Mar. 18, 1879 | 785 | 221 | 15 | 415 |
| Mustache-guard | V. M. Law | 220, 538 | Oct. 14, 1879 | 377 | 98 | 16 | 694 |
| Mustache-guard | I. M. Thatcher and J. Decker | 214, 063 | Apr. 8, 1879 | 387 | 109 | 15 | 530 |
| Muzzle for animals | H. C. Rice | 214, 196 | Apr. 8, 1879 | 538 | 153 | 15 | 548 |
| Muzzle, Horse | P. F. Shumaker | 215, 172 | May 6, 1879 | 217 | 63 | 15 | 729 |
| **N.** | | | | | | | |
| Nail: *See* Horseshoe-nail. Screw-nail. Picture-nail. Shoe-nail. | | | | | | | |
| Nail-counter | W. F. Daniel | 222, 816 | Dec. 23, 1879 | 823 | 236 | 16 | 1153 |
| Nail-cutting machine | W. Wickersham | 220, 201 | Sept. 30, 1879 | 1326 | 366 | 16 | 622 |
| Nail-distributer | A. Morrison | 214, 305 | Apr. 15, 1879 | 687 | 193 | 15 | 577 |
| Nail-driving machine | R. M. Bidelman | 313, 162 | Mar. 11, 1879 | 476 | 132 | 15 | 366 |
| Nail feeding machine | F. Myers | 215, 153 | May 6, 1879 | 200 | 57 | 15 | 727 |
| Nail-machines, Feeding apparatus for | J. T. Jones | 219, 483 | Sept. 9, 1879 | 491 | 137 | 16 | 483 |
| Nail picker and separating machine | M. A. Williams | 216, 713 | June 17, 1879 | 795 | 228 | 15 | 1004 |
| Nail-separator | S. M. Howard | 219, 863 | Sept. 23, 1879 | 927 | 256 | 16 | 559 |
| Nailing-machine | L. Goddu | 215, 117 | May 6, 1879 | 159 | 45, 46 | 15 | 721 |
| Nailing-machine | L. Goddu | 216, 790 | June 24, 1879 | 904 | 258 | 15 | 1028 |
| Nailing-machine | L. Goddu | 217, 868 | July 29, 1879 | 1083 | 311, 312 | 16 | 179 |
| Nailing-machine | R. C. Lambert | 222, 997 | Dec. 30, 1879 | 1036 | 297 | 16 | 1194 |
| Nails and shoe-rivets, Machine for making wire | H. Evans | 215, 053 | May 6, 1879 | 77 | 23, 24 | 15 | 712 |
| Naphtha, Apparatus for burning | U. P. Smith | 213, 845 | Apr. 1, 1879 | 123 | 37 | 15 | 488 |
| Napkin and analogous articles | E. W. M. Cameron | 220, 341 | Oct. 7, 1879 | 145 | 39 | 16 | 654 |
| Napkin-holder | W. L. Bundy | 217, 264 | July 8, 1879 | 382 | 113 | 16 | 61 |
| Napkin-holder | L. S. Weed | 216, 478 | June 10, 1879 | 535 | 153 | 15 | 960 |
| Napkin ring and support, Combined | A. C. Winn | 219, 889 | Sept. 23, 1879 | 955 | 264 | 16 | 562 |
| Neck-band shaper | F. L. Volk | 221, 374 | Nov. 4, 1879 | 262 | 71 | 16 | 849 |
| Neck-band stretcher | P. O'Thayne | 213, 683 | Mar. 25, 1879 | 1043 | 297 | 15 | 456 |
| Neck-tie | H. Heath | 215, 517 | May 20, 1879 | 638 | 186 | 15 | 797 |
| Neck-tie | L. Knapp | 215, 370 | May 13, 1879 | 457 | 137 | 15 | 764 |
| Neck-tie | W. A. Laverty | 216, 421 | June 10, 1879 | 474 | 136 | 15 | 952 |
| Neck-tie fastener | M. B. Scott | 220, 992 | Oct. 28, 1879 | 929 | 248 | 16 | 783 |
| Neck-tie or bow of celluloid | W. H. Halsey | 218, 619 | July 29, 1879 | 1248 | 357 | 16 | 201 |
| Neck-tie tip | H. H. Thayer | 222, 750 | Dec. 16, 1879 | 738 | 212 | 16 | 1130 |
| Neck-wear pin | W. H. Hart, jr., and J. C. Gaither | 220, 610 | Oct. 14, 1879 | 465 | 121 | 16 | 705 |
| Needle-case | S. R. Dummer | 212, 545 | Feb. 25, 1879 | 871 | 241 | 15 | 253 |
| Needles, Machine for manufacturing | G. Cooper | 222, 773 | Dec. 23, 1879 | 771 | 222, 223 | 16 | 1146 |
| Needles, Machine for manufacturing | C. G. Wrightington | 221, 523 | Nov. 11, 1879 | 454 | 123, 124 | 16 | 883 |
| Needles, Machine for polishing the eyes of | J. S. George and A. E. Payne | 212, 455 | Feb. 18, 1879 | 747 | 206 | 15 | 228 |
| Net for horses, Fly | G. R. Ayres | 216, 133 | June 3, 1879 | 132 | 39 | 15 | 902 |
| Net for horses, Fly | F. Raniville and S. R. Sikes | 214, 199 | Apr. 8, 1879 | 533 | 152 | 15 | 547 |
| Netting | C. Duboc | 220, 967 | Oct. 28, 1879 | 896 | 240 | 16 | 779 |
| Newel-post | H. D. Beach | 211, 291 | Jan. 14, 1879 | 249 | 73 | 15 | 33 |
| Newspaper-folding machine | C. Kahler | 216, 332 | June 10, 1879 | 377 | 107, 108 | 15 | 939 |
| Night-chair | C. Kienzle | 216, 863 | June 24, 1879 | 987 | 280 | 15 | 1038 |
| Nose-bag for horses | E. J. B. Whitaker | 213, 479 | Mar. 18, 1879 | 806 | 228 | 15 | 418 |
| Nozzle for hardening dies | J. B. Harmstead | 213, 194 | Mar. 11, 1879 | 507 | 141 | 15 | 370 |
| Nozzle, Noise-quieting | T. Shaw | 213, 302 | Mar. 18, 1879 | 636 | 179 | 15 | 395 |
| Nozzle, Spray | G. Yeager | 219, 337 | Sept. 2, 1879 | 322 | 91 | 16 | 453 |
| Nozzle, Variable exhaust | I. H. Congdon and E. B. Wood | 214, 992 | May 6, 1879 | 11 | 5 | 16 | 704 |

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|---|---|---|---|---|---|---|---|
| Number-plates, Die for the manufacture of sheet-metal. | T. Rue | 221,103 | Oct. 28, 1879 | 1052 | 279 | 16 | 799 |
| Numbering-machine | J. Macdonough | 216,046 | June 3, 1879 | 45 | 12 | 15 | 890 |
| Nursery-chair | C. H. Barnes | 213,610 | Mar. 25, 1879 | 961 | 273 | 15 | 445 |
| Nursery-chair | W. E. Harrison | 213,108 | Mar. 11, 1879 | 411 | 114 | 15 | 357 |
| Nursery-chair | G. W. Swain | 217,652 | July 15, 1879 | 817 | 233 | 16 | 128 |
| Nursery-chair | A. B. Stevens | 214,479 | Apr. 15, 1879 | 882 | 249 | 15 | 602 |
| Nursery-gate and clothes-drier, Combined | W. H. Phillips | 213,686 | Mar. 25, 1879 | 1045 | 297 | 15 | 456 |
| Nut and collar, Sectional | E. M. Morgan | 216,338 | June 10, 1879 | 384 | 109 | 15 | 940 |
| Nut-cracker | C. F. Ritchell | 215,243 | May 13, 1879 | 315 | 93 | 15 | 745 |
| Nut-lock | L. D. Allen | 213,602 | Mar. 25, 1879 | 952 | 270 | 15 | 444 |
| Nut-lock | J. G. Fox | 219,812 | Sept. 23, 1879 | 882 | 242 | 16 | 552 |
| Nut-lock | G. W. Goodwyn | 219,714 | Sept. 16, 1879 | 755 | 209 | 16 | 526 |
| Nut-lock | W. Gray | 221,299 | Nov. 4, 1879 | 175 | 47 | 16 | 836 |
| Nut-lock | M. H. Grubb | 211,612 | July 15, 1879 | 774 | 220 | 16 | 123 |
| Nut-lock | R. Hazlewood | 221,814 | Nov. 18, 1879 | 793 | 221 | 16 | 938 |
| Nut-lock | H. C. Hill | 221,411 | Nov. 11, 1879 | 320 | 87 | 16 | 865 |
| Nut-lock | J. R. Jones and R. Russ | 222,281 | Dec. 2, 1879 | 187 | 49 | 16 | 1034 |
| Nut-lock | H. W. Layton | 214,408 | Apr. 15, 1879 | 814 | 228 | 15 | 593 |
| Nut-lock | C. G. Lea | 216,870 | June 24, 1879 | 994 | 282 | 15 | 1038 |
| Nut-lock | J. Lee | 222,513 | Dec. 9, 1879 | 454 | 130 | 16 | 1080 |
| Nut-lock | J. Leffler | 215,375 | May 13, 1879 | 461 | 138 | 15 | 765 |
| Nut-lock | K. H. Loomis | 218,991 | Aug. 26, 1879 | 1042 | 294 | 16 | 391 |
| Nut-lock | W. P. Miller | 222,929 | Dec. 23, 1879 | 953 | 274 | 16 | 1172 |
| Nut-lock | S. J. Mitchell | 211,103 | Jan. 7, 1879 | 26 | 9 | 15 | 4 |
| Nut-lock | G. W. Rhines | 215,836 | May 27, 1879 | 999 | 291 | 15 | 853 |
| Nut-lock | G. H. Roth | 222,740 | Dec. 16, 1879 | 729 | 209 | 16 | 1129 |
| Nut-lock | C. Schifferly | 216,222 | June 3, 1879 | 223 | 66 | 15 | 913 |
| Nut-lock | E. C. Smith | 213,354 | Mar. 18, 1879 | 692 | 193 | 15 | 402 |
| Nut-lock | J. Smith | 215,686 | May 20, 1879 | 823 | 241 | 15 | 822 |
| Nut-lock | L. Spain | 216,489 | June 10, 1879 | 545 | 156 | 15 | 961 |
| Nut-lock | N. Sullivan | 219,035 | Aug. 26, 1879 | 1088 | 306 | 16 | 397 |
| Nut-lock | J. D. Van Benthuysen | 215,779 | May 27, 1879 | 929 | 272 | 15 | 845 |
| Nut-lock | A. C. Vaughan | 212,769 | Feb. 25, 1879 | 1107 | 307 | 15 | 285 |
| Nut-lock | A. C. Vaughan | 219,783 | Sept. 16, 1879 | 830 | 229 | 16 | 536 |
| Nut-lock | N. F. Wynkoop | 222,220 | Dec. 2, 1879 | 119 | 30 | 16 | 1025 |
| Nut-lock blank | W. Dunn | 219,701 | Sept. 16, 1879 | 743 | 205 | 16 | 524 |
| Nut-roaster | P. Winsor and L. A. Hall | 220,689 | Oct. 14, 1879 | 550 | 145 | 16 | 717 |
| Nut, Top-prop | F. A. Bradley | 218,425 | Aug. 12, 1879 | 371 | 101 | 16 | 281 |
| Nut, Top-prop | H. Smith | 219,417 | Sept. 9, 1879 | 425 | 118 | 16 | 474 |
| Nuts, Machine for making | E. P. McLane | 219,363 | Sept. 9, 1879 | 363 | 102 | 16 | 466 |
| O. | | | | | | | |
| Oakum, Manufacture of | T. H. Dunham | 220,358 | Oct. 7, 1879 | 164 | ..... | 16 | 657 |
| Oat-separator | J. Magone | 214,415 | Apr. 15, 1879 | 822 | 230 | 15 | 594 |
| Oatmeal-machine | S. F. Butts | 217,844 | July 22, 1879 | 1044 | 299 | 16 | 167 |
| Oatmeal-machine | S. F. Butts | 219,686 | Sept. 16, 1879 | 728 | 201 | 16 | 522 |
| Oatmeal-machine | G. H. Cormack | 219,916 | Sept. 23, 1879 | 985 | 274 | 16 | 567 |
| Oatmeal-machine | G. H. Cormack | 220,059 | Sept. 30, 1879 | 1166 | 321 | 16 | 599 |
| Oatmeal-machine | G. H. Cormack | 220,275 | Oct. 7, 1879 | 71 | 19, 20 | 16 | 644 |
| Oatmeal-machine | G. H. Cormack | 220,578 | Oct. 14, 1879 | 432 | 111, 112 | 16 | 700 |
| Oatmeal-machine | S. Sanford | 221,744 | Nov. 18, 1879 | 699 | 196 | 16 | 926 |
| Oatmeal-machine | A. Scouller | 221,108 | Oct. 28, 1879 | 1058 | 280 | 16 | 800 |
| Oatmeal-machine | G. W. Severance | 211,112 | Jan. 7, 1879 | 39 | 13 | 15 | 5 |
| Oatmeal-machine | L. G. Thorp | 222,548 | Dec. 9, 1879 | 498 | 140 | 16 | 1085 |
| Odometer | J. D. Richardson | 217,550 | July 15, 1879 | 702 | 200 | 16 | 114 |
| Odometer | A. Yount | 221,652 | Nov. 11, 1879 | 586 | 164 | 16 | 903 |
| Odors, Apparatus for destroying offensive | B. J. Tayman | 213,853 | Apr. 1, 1879 | 132 | 39 | 15 | 490 |
| Oil-cabinet | J. M. Thayer | 220,682 | Oct. 14, 1879 | 541 | 143 | 16 | 715 |
| Oil-can | G. W. Banker | 214,017 | Apr. 8, 1879 | 329 | 94 | 15 | 523 |
| Oil, &c., can | J. D. Pierce | 215,771 | May 27, 1879 | 920 | 270 | 15 | 843 |
| Oil-can | J. Rhule, jr | 219,522 | Sept. 9, 1879 | 531 | 148 | 16 | 488 |
| Oil-can | T. J. M. and T. E. Scantlin | 217,489 | July 15, 1879 | 637 | 182 | 16 | 105 |
| Oil-can cabinet | J. H. Clough | 211,088 | Jan. 7, 1879 | 11 | 4 | 15 | 2 |
| Oil-can nozzle | I. Leonard | 219,103 | Sept. 2, 1879 | 50 | 16 | 16 | 419 |
| Oil-can shipping-case | E. Morgan, jr | 216,751 | June 24, 1879 | 859 | 243, 244 | 15 | 1021 |
| Oil-cloth, Metallic binding-strip for | C. E. Marshall | 212,961 | Mar. 4, 1879 | 225 | 62 | 15 | 325 |
| Oil-cup | A. D. Kilborn | 215,632 | May 20, 1879 | 767 | 225 | 15 | 815 |
| Oil-cup | F. Lunkenheimer | 212,480 | Feb. 18, 1879 | 776 | 214 | 15 | 232 |
| Oil-cup | J. G. McBride | 221,928 | Nov. 25, 1879 | 940 | 263 | 16 | 968 |
| Oil-cup | J. G. McBride | 221,929 | Nov. 25, 1879 | 941 | 264 | 16 | 968 |
| Oil-cup | E. Robinson | 218,641 | Aug. 19, 1879 | 631 | 178 | 16 | 325 |
| Oil-cups, Feed-indicator for | N. Seibert | 214,589 | Apr. 22, 1879 | 1033 | 290 | 15 | 628 |
| Oil, Freezing and pressing paraffine | F. M. McMillan | 215,471 | May 20, 1879 | 585 | 172 | 15 | 790 |
| Oil from the residuum in the manufacture of glucose, Process of extracting. | A. Behr and H. C. Humphrey | 220,116 | Sept. 30, 1879 | 1230 | ..... | 16 | 609 |
| Oil or other can | H. Sangster | 214,527 | Apr. 22, 1879 | 969 | 272 | 15 | 620 |
| Oil-press hoop | W. V. McKenzie | 218,044 | July 29, 1879 | 1276 | 364 | 16 | 204 |
| Oil-press mat | J. L. Perkins and G. O. Baker | 212,974 | Mar. 4, 1879 | 240 | 66 | 15 | 327 |
| Oil-press plate | G. W. Campbell | 219,217 | Sept. 2, 1879 | 182 | 54 | 16 | 435 |
| Oil, Rubber | G. L. Scott and C. McCumber | 212,058 | Feb. 4, 1879 | 273 | ..... | 15 | 160 |
| Oil-tank | W. and G. Koch | 211,241 | Jan. 7, 1879 | 177 | 52 | 15 | 23 |
| Oil-tank, Cabinet | F. C. Wilson | 217,034 | July 1, 1879 | 119 | 35 | 16 | 18 |
| Oil-tester, Electric | G. M. Saybolt | 218,066 | July 29, 1879 | 1297 | 371 | 16 | 208 |
| Oil tester, Kerosene | T. D. Pinckney | 221,421 | Nov. 11, 1879 | 331 | 91 | 16 | 867 |
| Oil-testing machine | C. M. Higginson | 214,132 | Apr. 8, 1879 | 477 | 136 | 15 | 540 |
| Oils and fats, Bleaching | J. Davis | 216,558 | June 17, 1879 | 630 | ..... | 15 | 981 |
| Oils, Apparatus for extracting | H. T. Yaryan | 220,203 | Sept. 30, 1879 | 1330 | 367 | 16 | 623 |
| Oils, Apparatus for separating hydrocarbon | J. W. Culmer | 217,995 | July 29, 1879 | 1219 | 349, 350 | 16 | 197 |
| Oils, Apparatus for storing, measuring, and drawing | E. F. Wilder | 222,219 | Dec. 2, 1879 | 117 | 29, 30 | 16 | 1025 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Oils, Apparatus for vaporizing and burning hydrocarbon. | J. A. Frey | 220, 470 | Oct. 14, 1879 | 296 | 79 | 16 | 684 |
| Oils, Case for retailing | A. Reynolds | 214, 450 | Apr. 15, 1879 | 855 | 241 | 15 | 599 |
| Oils, paints, &c., Liquid drier for | A. W. Pratt | 211, 782 | Jan. 28, 1879 | 839 | ..... | 15 | 115 |
| Oils, Purification of paraffine | T. Marrin | 211, 762 | Jan. 28, 1879 | 813 | ..... | 15 | 111 |
| Oils, Treating linseed and kindred | D. D. Cattanach | 222, 983 | Dec. 30, 1879 | 1018 | 292 | 16 | 1191 |
| Oiler for steam-engines | E. M. Humstone | 211, 661 | Jan. 28, 1879 | 701 | 196 | 15 | 97 |
| Oiling fly-nets, harness, &c., Device for | L. S. Kurtz | 222, 827 | Dec. 23, 1879 | 835 | 239 | 16 | 1154 |
| Oiling harness, Can for | A. D. Eble | 221, 043 | Oct. 28, 1879 | 990 | 262 | 16 | 791 |
| Oiling-vessel | E. T. Jones | 216, 416 | June 10, 1879 | 469 | 135 | 15 | 951 |
| Opera-chair, Folding | T. M. Foote | 220, 523 | Oct. 14, 1879 | 358 | 94 | 16 | 692 |
| Optical illusions, Apparatus for producing | J. H. Pepper and J. J. Walker | 221, 605 | Nov. 11, 1879 | 541 | 149 | 16 | 896 |
| Optical instruments made of celluloid and other fibrous plastic compositions, Frame for. | J. S. Spencer | 220, 502 | Oct. 14, 1879 | 334 | 89 | 16 | 689 |
| Optometer | P. Boeringer | 212, 536 | Feb. 25, 1879 | 862 | 238 | 15 | 252 |
| Optometer | E. G. Klein and J. X. Giering | 221, 323 | Nov. 4, 1879 | 208 | 57 | 16 | 841 |
| Ordnance | L. A. Merriam | 214, 260 | Apr. 15, 1879 | 637 | 179 | 15 | 570 |
| Ordnance, Breech-loading | W. Palliser | 221, 419 | Nov. 11, 1879 | 327 | 89, 90 | 16 | 866 |
| Ordnance, Gas-check for breech-loading | S. Crispin | 212, 197 | Feb. 11, 1879 | 440 | 120 | 15 | 184 |
| Ordnance, Lining-tube for | S. Crispin | 211, 839 | Feb. 4, 1879 | 12 | 4 | 15 | 128 |
| Ore and rock crusher | T. R. Tinuby | 217, 754 | July 22, 1879 | 945 | 271 | 16 | 155 |
| Ore-concentrator | E. W. Stephens | 212, 330 | Feb. 18, 1879 | 591 | 165, 166 | 15 | 208 |
| Ore-furnace | W. Helbig and R. Hasenclever | 218, 673 | Aug. 19, 1879 | 666 | 189 | 16 | 330 |
| Ore-furnace | G. W. Reamer and E. Anderson | 219, 763 | Sept. 16, 1879 | 803 | 222 | 16 | 533 |
| Ore-mill | J. R. Abbe | 211, 364 | Jan. 14, 1879 | 345 | 101 | 15 | 45 |
| Ore-pulverizer | I. M. Phelps | 215, 966 | May 27, 1879 | 1136 | 330 | 15 | 870 |
| Ore-pulverizer | I. M. Phelps | 215, 967 | May 27, 1879 | 1137 | 330 | 15 | 870 |
| Ore pulverizer and separator | A. Goodhart | 215, 912 | May 27, 1879 | 1083 | 314 | 15 | 863 |
| Ore pulverizing and amalgamating machinery | E. Y. Harrison | 212, 139 | Feb. 11, 1879 | 372 | 101 | 15 | 176 |
| Ore reducing and pulverizing apparatus | W. Brückner | 221, 773 | Nov. 18, 1879 | 731 | 204 | 16 | 931 |
| Ore-roaster, Horizontal rotary | T. H. Blythe and S. B. Morey | 215, 562 | May 20, 1879 | 686 | 202 | 15 | 804 |
| Ore-roaster, Revolving | D. W. Brunton | 215, 877 | May 27, 1879 | 1046 | 304 | 15 | 859 |
| Ore-roaster, Revolving | W. O. Sleeper | 215, 301 | May 13, 1879 | 396 | 117 | 15 | 755 |
| Ore roasting and smelting furnace | L. Schantl | 220, 434 | Oct. 7, 1879 | 246 | 66 | 16 | 669 |
| Ore-roasting furnace | M. P. Boss | 219, 614 | Sept. 16, 1879 | 638 | 177 | 16 | 510 |
| Ore-roasting furnace | D. W. Brunton | 216, 148 | June 3, 1879 | 146 | 43 | 15 | 903 |
| Ore-roasting furnace | W. E. Gifford | 219, 634 | Sept. 16, 1879 | 665 | 185 | 16 | 514 |
| Ore-roasting furnace | C. E. Robinson | 212, 508 | Feb. 18, 1879 | 816 | 226 | 15 | 267 |
| Ore-roasting furnaces, Diaphragm for | M. D. Haskins | 211, 731 | Jan. 28, 1879 | 781 | 219 | 15 | 107 |
| Ore-separator | C. Bennett and P. Burnham | 223, 102 | Dec. 30, 1879 | 1161 | 327 | 16 | 1210 |
| Ore-separator | H. Bradford and J. B. Wilford | 221, 661 | Nov. 18, 1879 | 605 | 170 | 16 | 913 |
| Ore-separator | H. W. King | 216, 740 | June 24, 1879 | 843 | 249 | 15 | 1020 |
| Ore-separator | J. H. Paddock | 218, 896 | Aug. 26, 1879 | 946 | 265 | 16 | 378 |
| Ore-separator | J. I. Peyton | 222, 529 | Dec. 9, 1879 | 470 | 134 | 16 | 1082 |
| Ore-separator | P. Plant | 212, 051 | Feb. 4, 1879 | 264 | 72, 73 | 15 | 159 |
| Ore-separator | P. Plant | 215, 289 | May 13, 1879 | 377 | 108, 109, 110 | 15 | 753 |
| Ore-separator | P. Plant | 215, 290 | May 13, 1879 | 380 | 110, 111 | 15 | 753 |
| Ore separator or concentrator | W. L. Imlay | 220, 842 | Oct. 21, 1879 | 738 | 196 | 16 | 748 |
| Ore-separator, Revolving | H. F. Kennedy | 218, 537 | Aug. 12, 1879 | 501 | 140 | 16 | 299 |
| Ore-stamping mill | H. W. King | 220, 028 | Sept. 30, 1879 | 1116 | 309 | 16 | 593 |
| Ore-washer | J. M. Bailey | 213, 540 | Mar. 25, 1879 | 886 | 253 | 15 | 436 |
| Ore-washer | E. Bazin | 217, 722 | July 22, 1879 | 913 | 261, 262 | 16 | 151 |
| Ore-washer | T. B. McConaughey | 214, 783 | Apr. 29, 1879 | 1257 | 351 | 15 | 664 |
| Ore washer and amalgamator | J. H. Wilhelm | 211, 824 | Jan. 28, 1879 | 884 | 249 | 15 | 120 |
| Ore washing and amalgamating apparatus | C. Duhem | 211, 893 | Feb. 4, 1879 | 80 | 23 | 15 | 136 |
| Ore-washing machine | W. Hooper | 214, 140 | Apr. 8, 1879 | 484 | 138 | 15 | 541 |
| Ores, Apparatus for dry-separating precious metals from their. | P. Plant | 215, 292 | May 13, 1879 | 385 | 114, 115 | 15 | 754 |
| Ores, Apparatus for washing chloridized | D. J. O'Harra | 211, 772 | Jan. 28, 1879 | 823 | 231 | 15 | 112 |
| Ores, Extracting metals from | F. M. Lyte | 219, 961 | Sept. 23, 1879 | 1035 | 288 | 16 | 574 |
| Ores, Extracting precious metals from | J. A. Robertson | 214, 055 | Apr. 8, 1879 | 378 | ..... | 15 | 529 |
| Ores in their natural situation, Process and apparatus for melting. | C. M. T. Du Motay | 213, 789 | Apr. 1, 1879 | 63 | 20 | 15 | 481 |
| Ores, Machinery for separating | H. Hochstrate | 213, 421 | Mar. 18, 1879 | 753 | 212 | 15 | 411 |
| Ores, Method of and machinery for reducing | J. Seanor | 213, 782 | Apr. 1, 1879 | 54 | 18 | 15 | 480 |
| Ores, Process and apparatus for separating precious metals from their. | P. Plant | 215, 291 | May 13, 1879 | 381 | 111, 112, 113 | 15 | 753 |
| Organ | J. L. De Good | 218, 618 | Aug. 19, 1879 | 608 | 171 | 16 | 322 |
| Organ-action | N. M. Boynton | 213, 968 | Apr. 8, 1879 | 271 | 78, 79 | 15 | 510 |
| Organ-action | A. Grüters | 220, 071 | Sept. 30, 1879 | 1179 | 324 | 10 | 601 |
| Organ-action | C. E. Lyon | 211, 169 | Jan. 7, 1879 | 98 | 31 | 15 | 14 |
| Organ action, Reed | J. H. Chase | 222, 866 | Dec. 23, 1879 | 883 | 254 | 16 | 1161 |
| Organ and piano case | P. J. Heymann and J. E. Burt | 213, 507 | Mar. 25, 1879 | 847 | 240, 241 | 15 | 431 |
| Organ-bellows | J. J. McLaughlin | 216, 965 | July 1, 1879 | 43 | 14 | 16 | 8 |
| Organs, Blow-pedal for | J. H. White | 213, 268 | Mar. 11, 1879 | 583 | 162 | 15 | 380 |
| Organ melody-chest | E. White | 217, 660 | July 15, 1879 | 825 | 235, 236 | 16 | 129 |
| Organ-pedals, Lid for | F. L. H. Justi and E. S. Maud | 222, 709 | Dec. 16, 1879 | 698 | 201 | 16 | 1125 |
| Organ, Pipe | J. Gratian | 211, 989 | Feb. 4, 1879 | 190 | 53, 54 | 15 | 151 |
| Organ, Reed | S. J. Crockett | 216, 944 | July 1, 1879 | 18 | 5, 6 | 16 | 5 |
| Organ, Reed | J. Hill | 212, 222 | Feb. 11, 1879 | 461 | 127 | 15 | 187 |
| Organ, Reed | C. N. Rand | 217, 706 | July 22, 1879 | 899 | 257 | 16 | 149 |
| Organ, Reed | H. W. Smith | 220, 998 | Oct. 28, 1879 | 938 | 250 | 16 | 784 |
| Organs, Pedal attachment for reed | G. B. Kelly | 215, 822 | May 27, 1879 | 982 | 287 | 15 | 851 |
| Organs, Pneumatic action for | J. E. Treat | 220, 737 | Oct. 21, 1879 | 617 | 165 | 16 | 734 |
| Ornamenting metallic foils | S. and H. K. Benson | 219, 140 | Sept. 2, 1879 | 92 | .... | 16 | 424 |
| Orrery | A. Mang | 215, 948 | May 27, 1879 | 1120 | 324 | 15 | 868 |
| Oscillating chair | W. T. Doremus | 215, 337 | May 13, 1879 | 427 | 127 | 15 | 760 |

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|---|---|---|---|---|---|---|---|
| Oscillating chair | A. H. Ordway | 216,753 | June 24, 1879 | 862 | 244 | 15 | 1022 |
| Oscillating engine | W. S. Wilkinson | 219,331 | Sept. 2, 1879 | 315 | 89 | 16 | 452 |
| Ottoman, Adjustable | N. Y. Landis | 213,512 | Mar. 25, 1879 | 852 | 242 | 15 | 432 |
| Outlet-pipe for railway-tanks | D. Halladay | 220,372 | Oct. 7, 1879 | 183 | 48 | 16 | 659 |
| Outlet-pipe for sinks, &c | H. W. Atwater | 214,983 | May 6, 1879 | 3 | 2 | 15 | 793 |
| Oven | J. Craig | 221,157 | Nov. 4, 1879 | 21 | 5, 6 | 16 | 815 |
| Oven, Baker's | G. Brake | 215,088 | May 6, 1879 | 118 | 35 | 15 | 717 |
| Oven, Baker's | E. B. Cassidy | 220,898 | Oct. 21, 1879 | 795 | 213 | 16 | 757 |
| Oven, Baker's | E. W. Dittmann | 222,677 | Dec. 16, 1879 | 667 | 191 | 16 | 1120 |
| Oven, Baker's | D. McKenzie | 213,674 | Mar. 25, 1879 | 1033 | 294 | 15 | 455 |
| Oven bottom and slide | J. Jewett | 212,471 | Feb. 18, 1879 | 767 | 212 | 15 | 231 |
| Oven, Domestic | J. Watson | 216,003 | May 27, 1879 | 1167 | 339 | 15 | 874 |
| Oven-door | J. Krenig | 212,712 | Feb. 25, 1879 | 1042 | 289 | 15 | 276 |
| Oven-door and roaster, Combined | H. C. Atkinson | 216,132 | June 3, 1879 | 131 | 39 | 15 | 992 |
| Oven, Drying | E. R. and W. E. Gard | 217,935 | July 29, 1879 | 1157 | 331, 332 | 16 | 190 |
| Oven-furnace, Baker's | G. Grieve | 215,604 | May 20, 1879 | 736 | 215 | 15 | 810 |
| Oven, Portable | W. F. Rossman | 216,896 | June 24, 1879 | 1019 | 290 | 15 | 1042 |
| Oven, Regenerative hot-blast | J. M. Hartman | 214,294 | Apr. 15, 1879 | 674 | 189 | 15 | 576 |
| Oven, Roasting | H. C. Atkinson | 219,429 | Sept. 9, 1879 | 438 | 121 | 16 | 475 |
| Oven-shelf | J. A. Lawson | 211,916 | Feb. 4, 1879 | 108 | 31 | 15 | 139 |
| Oven-shelf, Automatic | D. G. Littlefield | 222,357 | Dec. 9, 1879 | 276 | 77 | 16 | 1057 |
| Ovens, Drop-shelf for | W. Wicke | 211,677 | Jan 28, 1879 | 718 | 200 | 15 | 99 |
| Overalls | P. Banner | 218,472 | Aug. 12, 1879 | 430 | 120 | 16 | 289 |
| Overalls | C. A. Jones | 222,708 | Dec. 16, 1879 | 698 | 200 | 16 | 1125 |
| Overalls | S. Laskey | 214,406 | Apr. 15, 1879 | 812 | 228 | 15 | 593 |
| Overalls | I. Lowenberg | 222,921 | Dec. 23, 1879 | 944 | 271 | 16 | 1171 |
| Overalls | R. L. Seelbach | 215,247 | May 13, 1879 | 318 | 94 | 15 | 746 |
| Overalls and jumper, Combined | G. Schollian | 211,271 | Feb. 11, 1879 | 514 | 143 | 15 | 194 |
| Overcoat | W. Sweatman | 216,359 | June 10, 1879 | 404 | 116 | 15 | 943 |
| Overshoe or sandal | D. B. Ranney | 211,784 | Jan. 28, 1879 | 841 | 235 | 15 | 115 |
| Oversleeve | A. P. Smith | 216,115 | June 3, 1879 | 113 | 33 | 15 | 899 |
| Ox-shoe-blank bar | J. Deeble | 220,813 | Oct. 21, 1879 | 708 | 188 | 16 | 745 |
| Oxide, Process and apparatus for manufacturing carbonic. | C. T. Du Motay and E. J. Jerzmanowski. | 216,584 | June 17, 1879 | 660 | 188 | 15 | 986 |
| Oxidizing and chloridizing furnace | W. T. Rickard | 214,525 | Apr. 22, 1879 | 966 | 271 | 15 | 620 |
| Oyster-feeder | J. Langrall | 221,326 | Nov. 4, 1879 | 211 | 57 | 16 | 841 |
| Oyster-float | L. J. Stewart | 217,558 | July 15, 1879 | 713 | 203 | 16 | 115 |
| Oyster-shucking machine | R. Wells | 211,449 | Jan. 14, 1879 | 440 | 124 | 15 | 57 |
| Oysters, Board bank for fattening | F. Lang | 212,389 | Feb. 18, 1879 | 660 | 185 | 15 | 217 |
| Oysters, Preserving | K. L. Jewell | 215,628 | May 20, 1879 | 764 | ..... | 15 | 814 |
| Ozone apparatus | F. W. Bartlett | 219,378 | Sept. 9, 1879 | 379 | 106 | 16 | 468 |
| **P.** | | | | | | | |
| Package for powdered articles | S. S. Newton | 220,410 | Oct. 7, 1879 | 222 | 60 | 16 | 665 |
| Package for transporting merchandise | J. Gilberds | 211,563 | Jan. 21, 1879 | 568 | 161 | 15 | 76 |
| Package or box filler | C. E. Bolton and F. H. Strieby | 212,349 | Feb. 18, 1879 | 615 | 172, 173 | 15 | 210 |
| Packages, Machine for filling and weighing | A. Stearns | 219,322 | Sept. 2, 1879 | 306 | 86 | 16 | 451 |
| Packer, Metallic | A. Cunningham | 216,946 | July 1, 1879 | 29 | 6 | 16 | 5 |
| Packet-fastening | J. H. Weaver | 218,651 | Aug. 19, 1879 | 640 | 180 | 16 | 326 |
| Packing-box | C. Henry | 211,093 | Jan. 7, 1879 | 16 | 6 | 15 | 3 |
| Packing-box for hardware | R. J. Howdon | 217,382 | July 8, 1879 | 597 | 147 | 16 | 77 |
| Packing-casing for oil-wells | J. Q. Miller | 217,292 | July 8, 1879 | 411 | 121 | 16 | 65 |
| Packing engines, Device for | D. Webbert | 222,615 | Dec. 16, 1879 | 593 | 169 | 16 | 1109 |
| Packing for oil-wells, Rubber or gum | J. Eaton | 220,461 | Oct. 7, 1879 | 275 | 74 | 16 | 673 |
| Packing for piston-rods, &c | L. Katzenstein | 215,629 | May 20, 1879 | 765 | 224 | 15 | 814 |
| Packing for piston-rods, &c., Metallic | T. Tripp | 219,883 | Sept. 23, 1879 | 949 | 262 | 16 | 562 |
| Packing for pistons, plungers, &c | J. G. Willard | 221,202 | Nov. 4, 1879 | 68 | 18 | 16 | 821 |
| Packing for rods or tubes | J. A. Prindle | 214,841 | Apr. 29, 1879 | 1324 | 369 | 15 | 674 |
| Packing for rotary engine | R. Schneckenburger | 223,175 | Dec. 30, 1879 | 1236 | 349 | 16 | 1221 |
| Packing for stuffing-boxes | G. C. Phillips | 212,739 | Feb. 25, 1879 | 1071 | 297 | 15 | 280 |
| Packing for surface condensers, Tube | J. S. Wilson | 221,435 | Nov. 11, 1879 | 346 | 95 | 16 | 869 |
| Packing, Hydraulic | H. Riesel | 219,369 | Sept. 2, 1879 | 291 | 82 | 16 | 448 |
| Packing, Metallic | R. Doty | 222,388 | Dec. 9, 1879 | 309 | 87 | 16 | 1062 |
| Packing Piston | C. W. Baldwin | 220,784 | Oct. 21, 1879 | 677 | 179 | 16 | 740 |
| Packing, Piston | E. B. Colby | 213,739 | Apr. 1, 1879 | 10 | 3 | 15 | 474 |
| Packing, Piston | J. H. Guiley | 215,349 | May 13, 1879 | 438 | 130 | 15 | 761 |
| Packing, Piston | R. W. Peck | 222,728 | Dec. 16, 1879 | 716 | 205 | 16 | 1127 |
| Packing, Piston | J. H. Van Riper | 211,873 | Feb. 4, 1879 | 58 | 18 | 15 | 133 |
| Packing, Piston | S. A. Youse | 214,862 | Apr. 29, 1879 | 1348 | 375 | 15 | 677 |
| Packing, Piston-rod | T. Tripp | 211,947 | Feb. 4, 1879 | 141 | 41 | 15 | 144 |
| Packing, Piston-rod | S. Armstrong | 216,131 | June 3, 1879 | 130 | 38 | 15 | 901 |
| Packing, Piston-rod | J. Hewitt | 216,038 | June 3, 1879 | 35 | 10 | 15 | 889 |
| Packing, Piston-rod | L. Saylor | 213,301 | Mar. 18, 1879 | 635 | 179 | 15 | 394 |
| Packing, Piston-rod | A. Wilkinson | 222,805 | Dec. 23, 1879 | 811 | 232 | 16 | 1151 |
| Packing, Refrigerator-door | H. W. Cass | 212,896 | Mar. 4, 1879 | 145 | 41 | 15 | 315 |
| Packing-ring for piston-heads | J. Harper | 215,121 | May 6, 1879 | 165 | 47 | 15 | 722 |
| Packing, Salt or oil well | I. N Headley | 214,914 | Apr. 29, 1879 | 1401 | 389 | 15 | 683 |
| Packing spring, Piston | J. Sadler | 213,942 | Apr. 1, 1879 | 222 | 65 | 15 | 591 |
| Packing, Steam | G. C. Phillips | 216,451 | June 10, 1879 | 510 | 145 | 15 | 957 |
| Packing, Steam | G. C. Phillips | 222,074 | Nov. 25, 1879 | 1097 | 308 | 16 | 989 |
| Packing, Stuffing-box | H. W. Winans | 218,804 | Aug. 19, 1879 | 805 | 229 | 16 | 349 |
| Packing, Well | I. La Fey and J. Siglin | 218,282 | Aug. 5, 1879 | 197 | 53 | 16 | 247 |
| Pad: *See* Bosom-pad. Carpet-pad. Collar-pad. Galvanic and medicated pad. Harness-pad. Horse-hampering pad. Horseshoe-pad. Stair-pad. Stirrup-pad. | | | | | | | |
| Pad-loop hook | M. V. Longsworth | 211,245 | Jan. 7, 1879 | 181 | 53 | 15 | 24 |
| Paddle-wheel, Feathering | E. E. Kilmer | 212,014 | Feb. 4, 1879 | 216 | 61 | 15 | 153 |
| Paddle-wheel, Feathering | W. T. Merritt | 216,208 | June 3, 1879 | 208 | 62 | 15 | 911 |
| Paddle-wheel, Feathering | C. F. Winsor | 215,703 | May 20, 1879 | 840 | 245 | 15 | 824 |

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|---|---|---|---|---|---|---|---|
| Padlock | P. Bacher and F. Deming | 218,213 | Aug. 5, 1879 | 123 | 33 | 16 | 237 |
| Padlock | C. H. Beebe | 215,429 | May 20, 1879 | 533 | 158 | 15 | 783 |
| Padlock | H. Budd | 212,892 | Mar. 4, 1879 | 142 | 40 | 15 | 314 |
| Padlock | H. A. Dodge | 218,668 | Aug. 19, 1879 | 660 | 186 | 16 | 329 |
| Padlock | C. Frederick and S. N. Trump | 221,405 | Nov. 11, 1879 | 313 | 85 | 16 | 864 |
| Padlock | W. F. Hofmann | 218,026 | July 29, 1879 | 1256 | 359 | 16 | 202 |
| Padlock | C. Jensen | 220,152 | Sept. 30, 1879 | 1266 | 348 | 16 | 613 |
| Padlock | W. C. McGill | 213,918 | Apr. 1, 1879 | 201 | 58 | 15 | 498 |
| Padlock | F. W. Mix | 220,637 | Oct. 14, 1879 | 493 | 130 | 16 | 709 |
| Padlock | C. W. A. Bomer | 213,300 | Mar. 18, 1879 | 634 | 178 | 15 | 394 |
| Padlock | T. Slaight | 216,062 | June 3, 1879 | 60 | 16 | 15 | 892 |
| Padlock | W. H. Taylor | 218,200 | Aug. 5, 1879 | 111 | 29, 30 | 16 | 235 |
| Padlock | T. H. Wichert | 214,736 | Apr. 22, 1879 | 1187 | 334 | 15 | 648 |
| Padlock | T. H. Wichert | 219,375 | Sept. 9, 1879 | 376 | 105 | 16 | 468 |
| Padlock | W. P. Wirth and T. H. Wichert | 213,798 | Apr. 1, 1879 | 74 | 24 | 15 | 482 |
| Padlock | W. P. Wirth and T. H. Wichert | 214,740 | Apr. 22, 1879 | 1190 | 335 | 15 | 649 |
| Padlock, Permutation | F. O. Carlson | 221,444 | Nov. 11, 1879 | 355 | 98 | 16 | 870 |
| Padlock, Permutation | B. F. Kelly | 211,239 | Jan. 7, 1879 | 175 | 52 | 15 | 23 |
| Padlock, Permutation | M. B. Mills | 212,036 | Feb. 4, 1879 | 237 | 66 | 15 | 156 |
| Padlock, Permutation | W. Walker | 221,258 | Nov. 4, 1879 | 130 | 35 | 16 | 830 |
| Padlock, Permutation | N. A. Young | 212,780 | Feb. 25, 1879 | 1120 | 311 | 15 | 286 |
| Pail | B. Goodman | 222,585 | Dec. 16, 1879 | 553 | 157 | 16 | 1104 |
| Pail fastening, Butter | C. D. Westlake | 214,338 | Apr. 15, 1879 | 736 | 205 | 15 | 583 |
| Pail-lid or barrel-cover | J. C. Moore | 217,634 | July 15, 1879 | 796 | 226 | 16 | 125 |
| Pail, Lunch | J. J. Tillinghast | 216,632 | June 17, 1879 | 711 | 203 | 15 | 993 |
| Pail, Tin | E. Guittard | 214,819 | Apr. 29, 1879 | 1300 | 363 | 15 | 670 |
| Pails, Removable cover or front for | P. H. Mayo and T. Atkinson | 215,828 | May 27, 1879 | 988 | 288 | 15 | 851 |
| Paint | J. J. Curtis | 219,150 | Sept. 2, 1879 | 104 | ..... | 16 | 425 |
| Paint and roofing compound | T. B. McKinstry | 221,841 | Nov. 18, 1879 | 821 | ..... | 16 | 942 |
| Paint-can | G. R. Cassie | 221,777 | Nov. 18, 1879 | 735 | 205 | 16 | 931 |
| Paint, Distemper | F. Koskul | 217,388 | July 8, 1879 | 512 | ..... | 16 | 77 |
| Paint for filling the seams of vessels | H. P. Webb | 221,881 | Nov. 18, 1879 | 862 | ..... | 16 | 948 |
| Paint for filling the seams of vessels | H. P. Webb | 221,882 | Nov. 18, 1879 | 863 | ..... | 16 | 948 |
| Paint from coke, Preparing | H. Lempfert | 220,394 | Oct. 7, 1879 | 205 | ..... | 16 | 663 |
| Paint-mills, Feed and delivery device for | M. P. Ismay | 218,748 | Aug. 19, 1879 | 740 | 211 | 16 | 340 |
| Paint or covering, Roofing | J. R. Hazelet | 216,850 | June 24, 1879 | 974 | ..... | 15 | 1036 |
| Paints and oils, Composition for drying | A. W. Pratt | 211,928 | Feb. 4, 1879 | 119 | ..... | 15 | 141 |
| Paints from cans, Apparatus for expelling | C. Moser | 219,498 | Sept. 9, 1879 | 508 | 141 | 16 | 485 |
| Painting fence-wire, Apparatus for | F. C. Taylor | 221,981 | Nov. 25, 1879 | 1000 | 280 | 16 | 975 |
| Painting pipes and tubes, Apparatus for | J. B. Root | 221,939 | Nov. 25, 1879 | 950 | 267 | 16 | 969 |
| Painting wire-cloth, Machine for | J. H. De Witt | 214,994 | May 6, 1879 | 13 | 5 | 15 | 704 |
| Paintings on panels and other surfaces, Reproducing oil. | H. Bogaerts | 212,887 | Mar. 4, 1879 | 136 | ..... | 15 | 314 |
| Pan: *See* Amalgamating-pan. Evaporating-pan. Bake-pan. Frying-pan. Baking-pan. Milk-pan. Dish-pan. Roasting and baking pan. Drip-pan. Scale-pan. Dust-pan. Toy dust-pan. | | | | | | | |
| Pan-forming machine | G. A. Bowers | 219,798 | Sept. 23, 1879 | 865 | 238, 239 | 16 | 549 |
| Pan-forming machine | T. R. Morgan, sr | 213,126 | Mar. 11, 1879 | 429 | 118, 119 | 15 | 360 |
| Pan-wiring machine | R. J. Stirrat | 219,779 | Sept. 16, 1879 | 820 | 227 | 16 | 535 |
| Paneling-machine | J. W. Groff | 217,005 | July 1, 1879 | 81 | 25 | 16 | 13 |
| Pannier | M. A. Bryson | 212,538 | Feb. 25, 1879 | 864 | 239 | 15 | 252 |
| Pantaloons | H. L. Bartlett | 220,051 | Sept. 30, 1879 | 1156 | 318 | 16 | 598 |
| Pantaloons | G. T. Keen | 219,269 | Sept. 2, 1879 | 244 | 69 | 16 | 443 |
| Pantaloons and other garments | E. Spies | 220,885 | Oct. 21, 1879 | 783 | 209 | 16 | 755 |
| Pantaloons-protector | R. Dillon, jr | 211,500 | Jan. 21, 1879 | 494 | 140 | 15 | 66 |
| Pantograph | J. J. F. Schnoor | 222,798 | Dec. 23, 1879 | 801 | 230 | 16 | 1150 |
| Pants, Device for stretching | J. C. Cary | 218,810 | Aug. 26, 1879 | 839 | 236 | 16 | 363 |
| Paper | M. Newton | 212,866 | Mar. 4, 1879 | 99 | 29 | 15 | 310 |
| Paper and card-board, Manufacture of marbleized | A. Adams and A. Bolt | 212,582 | Feb. 25, 1879 | 913 | ..... | 15 | 259 |
| Paper, Applying gypsum in the manufacture of | J. Manning | 219,407 | Sept. 9, 1879 | 414 | ..... | 16 | 472 |
| Paper bag | A. Adams | 221,712 | Nov. 18, 1879 | 665 | 186 | 16 | 921 |
| Paper bag | D. Appel | 221,144 | Nov. 4, 1879 | 3 | 1 | 16 | 813 |
| Paper bag | C. Newman | 216,881 | June 24, 1879 | 1002 | 285 | 15 | 1040 |
| Paper bag | S. E. Pettee | 221,700 | Nov. 18, 1879 | 649 | 182 | 16 | 919 |
| Paper-bag holder | W. H. Douty | 215,049 | May 6, 1879 | 74 | 22 | 15 | 712 |
| Paper-bag machine | W. C. Cross | 215,578 | May 20, 1879 | 705 | 207 | 15 | 806 |
| Paper-bag machine | W. C. Cross | 220,810 | Oct. 21, 1879 | 704 | 186, 187 | 16 | 744 |
| Paper-bag machine | W. C. Cross | 221,035 | Oct. 28, 1879 | 979 | 260 | 16 | 789 |
| Paper-bag machine | W. C. Cross | 221,529 | Nov. 11, 1879 | 460 | 126 | 16 | 884 |
| Paper-bag machine | W. C. Cross | 221,530 | Nov. 11, 1879 | 462 | 126 | 16 | 884 |
| Paper-bag machine | W. C. Cross | 221,531 | Nov. 11, 1879 | 465 | 127 | 16 | 885 |
| Paper-bag machine | W. C. Cross | 222,464 | Dec. 9, 1879 | 404 | 115 | 16 | 1073 |
| Paper-bag machine | W. C. Cross | 222,465 | Dec. 9, 1879 | 406 | 115 | 16 | 1074 |
| Paper-bag machine | O. E. Davidson | 219,920 | Sept. 23, 1879 | 992 | 276, 277 | 16 | 568 |
| Paper-bag machine | M. E. Knight | 220,925 | Oct. 28, 1879 | 840 | 225, 226 | 16 | 772 |
| Paper-bag machine | F. W. Leinbach, C. A. Wolle, and E. H. Brunner. | 218,036 | July 29, 1879 | 1267 | 362, 363 | 16 | 203 |
| Paper-bag machine | C. H. Maltby and G. W. Martin | 212,245 | Feb. 11, 1879 | 484 | 134 | 15 | 191 |
| Paper-bag machine | F. E. Porter | 211,256 | Jan. 7, 1879 | 191 | 56 | 15 | 25 |
| Paper-bag machine | C. M. Richardson, J. S. Gibbs, and J. H. Macy. | 217,639 | July 15, 1879 | 799 | 227, 228, 229 | 16 | 126 |
| Paper-bag machine | E. B. Stocking | 222,544 | Dec. 9, 1879 | 491 | 138, 139 | 16 | 1085 |
| Paper-bag machine, Triangular | E. Nugent and J. Burns | 213,060 | Mar. 11, 1879 | 246 | 97, 98 | 15 | 350 |
| Paper bag, Satchel-bottomed | D. Appel | 219,376 | Sept. 9, 1879 | 377 | 106 | 16 | 468 |

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|---|---|---|---|---|---|---|---|
| Paper bags, Manufacture of | E. Nugent and J. Burns | 213, 773 | Apr. 1, 1879 | 46 | 15 | 15 | 479 |
| Paper bags, Revolving rack for | J. McMullin | 222, 832 | Dec. 23, 1879 | 841 | 241 | 16 | 1155 |
| Paper box | C. E. Bolchini | 218, 479 | Aug. 12, 1879 | 437 | 122 | 16 | 289 |
| Paper box | J. L. Dole | 211, 462 | Jan. 21, 1879 | 457 | 129 | 15 | 62 |
| Paper box | D. J. Ferry | 221, 165 | Nov. 4, 1879 | 31 | 8 | 16 | 816 |
| Paper box | L. O. Granger | 217, 939 | July 29, 1879 | 1161 | 333 | 16 | 190 |
| Paper box | C. K. Hamilton, jr | 214, 651 | Apr. 22, 1879 | 1097 | 307 | 15 | 637 |
| Paper box | F. Imhof | 217, 619 | July 15, 1879 | 782 | 222 | 16 | 124 |
| Paper box | G. L. Jaeger | 214, 395 | Apr. 15, 1879 | 802 | 225 | 15 | 591 |
| Paper box | A. Matchett | 221, 244 | Nov. 4, 1879 | 116 | 31 | 16 | 828 |
| Paper box | T. D. Osborne and F. E. Heinig | 217, 190 | July 1, 1879 | 291 | 86 | 16 | 40 |
| Paper box | W. H. Tunis | 216, 711 | June 17, 1879 | 794 | 227 | 15 | 1004 |
| Paper-box corner-piece | D. Steinberg | 216, 237 | June 3, 1879 | 236 | 70 | 15 | 915 |
| Paper-box-cover machine | M. F. Wilson | 216, 009 | May 27, 1879 | 1173 | 341 | 15 | 875 |
| Paper-box machine | P. Cook | 217, 729 | July 22, 1879 | 923 | 264, 265 | 16 | 152 |
| Paper-box machine | A. I. Simmons | 222, 844 | Dec. 23, 1879 | 855 | 246, 247 | 16 | 1157 |
| Paper-box machine | F. H. Strieby and J. C. Rankin | 216, 357 | June 10, 1879 | 401 | 114, 115 | 15 | 942 |
| Paper-box machine | E. M. Thompson | 214, 325 | Apr. 15, 1879 | 719 | 201, 202 | 15 | 581 |
| Paper-box partitions, Machine for making | G. L. Jaeger | 219, 949 | Sept. 23, 1879 | 1024 | 285 | 16 | 572 |
| Paper boxes, Construction of | T. W. Dowling | 215, 196 | May 6, 1879 | 244 | 71 | 15 | 733 |
| Paper caps, &c., Machine for making plaited | W. F. Hunt | 221, 314 | Nov. 4, 1879 | 194 | 53 | 16 | 839 |
| Paper-clamp | M. H. Watson | 215, 306 | May 13, 1879 | 400 | 118 | 15 | 756 |
| Paper-clips, Machine for setting eyelet | W. A. Rollins | 216, 895 | June 24, 1879 | 1018 | 289 | 15 | 1042 |
| Paper collar | S. F. Hilton | 216, 039 | June 3, 1879 | 36 | 10 | 15 | 889 |
| Paper-collar machine | C. H. Denison | 222, 023 | Nov. 25, 1879 | 1036 | 290, 291 | 16 | 980 |
| Paper-cutter | J. A. Berstler | 223, 103 | Dec. 30, 1879 | 1163 | 327 | 16 | 1210 |
| Paper-cutting machine | A. Beck | 213, 089 | Mar. 11, 1879 | 387 | 108 | 15 | 354 |
| Paper-cutting machine | M. Bradley | 215, 205 | May 13, 1879 | 274 | 80 | 15 | 740 |
| Paper-cutting machine | G. R. Clarke, E. J. Sterling, and C. Cranston. | 221, 216 | Nov. 4, 1879 | 82 | 22 | 16 | 823 |
| Paper-cutting machine | J. M. Jones | 212, 384 | Feb. 18, 1879 | 654 | 183 | 15 | 216 |
| Paper-cutting machine | G. H. York | 218, 653 | Aug. 19, 1879 | 642 | 181 | 16 | 326 |
| Paper-cutting machine, Lever | E. L. Miller | 220, 856 | Oct. 21, 1879 | 749 | 200 | 16 | 750 |
| Paper-cutting machines, Clamp for | H. Law | 217, 229 | July 8, 1879 | 351 | 104 | 16 | 57 |
| Paper-cutting machines, Gage for | G. L. Jaeger | 215, 623 | May 20, 1879 | 658 | 222 | 15 | 814 |
| Paper-cutting machines, Gage for | J. C. Marshall | 217, 629 | July 15, 1879 | 792 | 225 | 16 | 125 |
| Paper-damping machine | H. Cavin | 215, 321 | May 13, 1879 | 412 | 122, 123 | 15 | 758 |
| Paper-damping machine | R. M. Hoe | 221, 462 | Nov. 11, 1879 | 377 | 103, 104 | 16 | 873 |
| Paper-damping machine | S. D. Tucker | 215, 414 | May 13, 1879 | 502 | 149 | 15 | 770 |
| Paper dish and bucket | G. A. Dunn | 222, 879 | Dec. 23, 1879 | 896 | 258 | 16 | 1163 |
| Paper dish, Corrugated | C. Ingersoll | 221, 564 | Nov. 11, 1879 | 502 | 137 | 16 | 890 |
| Paper dishes, Manufacture of | C. Ingersoll | 221, 234 | Nov. 4, 1879 | 104 | 27 | 16 | 826 |
| Paper, &c., drier | B. R. Hawley | 222, 821 | Dec. 23, 1879 | 828 | 237 | 16 | 1154 |
| Paper, Expansible and contractible core for rolls of | J. P. Vienot | 213, 262 | Mar. 11, 1879 | 578 | 161 | 15 | 379 |
| Paper, Expansible core for rolls of | J. Hartnett | 218, 021 | July 29, 1879 | 1251 | 357, 358 | 16 | 201 |
| Paper-fastener | G. B. Thayer | 217, 831 | July 22, 1879 | 1028 | 295 | 16 | 166 |
| Paper-feeding device | J. S. Young | 218, 355 | Aug. 5, 1879 | 276 | 75 | 16 | 257 |
| Paper-feeding machine | C. Ellery | 215, 051 | May 6, 1879 | 75 | 23 | 15 | 712 |
| Paper-folding machine | L. C. Buffington | 217, 857 | July 29, 1879 | 1068 | 307 | 16 | 178 |
| Paper-folding machine | C. Chambers, jr., and W. Mendham. | 216, 598 | June 17, 1879 | 676 | 193 | 15 | 988 |
| Paper-folding machine | C. Chambers, jr., and W. Mendham. | 216, 599 | June 17, 1879 | 677 | 193 | 15 | 988 |
| Paper-folding machine | C. Chambers, jr | 216, 600 | June 17, 1879 | 679 | 194 | 15 | 988 |
| Paper-folding machine | C. Chambers, jr | 216, 601 | June 17, 1879 | 680 | 194, 195 | 15 | 989 |
| Paper-folding machine | W. R. Cole and N. Eisenlord | 222, 245 | Dec. 2, 1879 | 149 | 38, 39 | 16 | 1029 |
| Paper-folding machine | R. M. Hoe | 211, 848 | Feb. 4, 1879 | 25 | 9 | 15 | 129 |
| Paper-folding machine | R. M. Hoe | 212, 466 | Feb. 18, 1879 | 759 | 209, 210 | 15 | 230 |
| Paper-folding machine | W. Scott | 220, 873 | Oct. 21, 1879 | 767 | 204, 205 | 16 | 753 |
| Paper-folding machine | W. Spalckhaver | 212, 998 | Mar. 4, 1879 | 264 | 73, 74 | 15 | 331 |
| Paper-folding machines, Pasting mechanism for | S. D. Tucker | 212, 872 | Mar. 4, 1879 | 106 | 31 | 15 | 311 |
| Paper for bank-checks, &c., Safety | J. Hendrichs | 223, 136 | Dec. 30, 1879 | 1201 | ..... | 16 | 1216 |
| Paper for floors, Oil-printed | T. S. Scott | 216, 109 | June 3, 1879 | 105 | ..... | 15 | 898 |
| Paper for wrappers for cigars, &c., Preparing | J. W. Bolles | 217, 767 | July 22, 1879 | 956 | ..... | 16 | 156 |
| Paper from coniferous trees, Manufacture of | J. M. Allen | 222, 171 | Dec. 2, 1879 | 61 | ..... | 16 | 1017 |
| Paper-hanger | G. Barber | 212, 533 | Feb. 25, 1879 | 859 | 237 | 15 | 251 |
| Paper-holder | F. W. Smith and J. S. Shannon | 217, 909 | July 29, 1879 | 1129 | 323 | 16 | 186 |
| Paper, Leaf-turning | I. W. Lamb | 218, 283 | Aug. 5, 1879 | 198 | 53 | 16 | 247 |
| Paper-machine | G. Wilson and A. Raymond | 215, 422 | May 13, 1879 | 513 | 151 | 15 | 772 |
| Paper, Machine for the manufacture of carbon or manifold. | L. Francis and W. Braidwood | 222, 266 | Dec. 2, 1879 | 171 | 44, 45 | 16 | 1032 |
| Paper, Machine for uniting | C. Carr and J. W. Bicknell | 215, 505 | May 20, 1879 | 624 | 182, 183 | 15 | 795 |
| Paper-machines, Automatic feed for | J. T. F. MacDonnell | 215, 946 | May 27, 1879 | 1117 | 324 | 15 | 867 |
| Paper-machines, Dandy-roller for | W. S. Tyler | 216, 914 | June 24, 1879 | 1045 | 296 | 15 | 1045 |
| Paper-machines, Method and apparatus for producing a vacuum in the suction-box of. | G. Dunn and F. Hollister | 212, 362 | Feb. 18, 1879 | 626 | 176 | 15 | 212 |
| Paper-machines, Seam for woven wire in | J. Dunbar | 218, 003 | July 29, 1879 | 1230 | 352 | 16 | 199 |
| Paper-machines, Wire-cloth for Fourdrinier | C. Van Houten | 211, 444 | Jan. 14, 1879 | 435 | 123 | 15 | 56 |
| Paper-machines, Wire-guide for | J. W. Moore | 212, 485 | Feb. 18, 1879 | 779 | 215 | 15 | 232 |
| Paper-machinery, Felt for | E. B. Hayden | 222, 353 | Dec. 9, 1879 | 273 | 76 | 16 | 1056 |
| Paper-maker's size, Stock for | W. Adamson | 211, 367 | Jan. 14, 1879 | 348 | ..... | 15 | 45 |
| Paper-maker's sizing, Stock for | W. Adamson | 211, 368 | Jan. 14, 1879 | 348 | ..... | 15 | 45 |
| Paper, Making a water and fire proof | H. S. Lucas | 218, 389 | Aug. 12, 1879 | 327 | ..... | 16 | 275 |

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|---|---|---|---|---|---|---|---|
| Paper, Making a fiber-faced | A. W. Anderson | 211,207 | Jan. 7, 1879 | 139 | ..... | 15 | 19 |
| Paper-making machines, Felt-guide for | J. Peaslee | 216,696 | June 17, 1879 | 779 | 222 | 15 | 1002 |
| Paper-making, Treating pulp-stock for | S. and J. Deacon | 212,447 | Feb. 18, 1879 | 737 | 203 | 15 | 227 |
| Paper, Manufacture of | J. O. Gregg | 211,991 | Feb. 4, 1879 | 191 | 54 | 15 | 151 |
| Paper, Manufacture of flexible | T. S. Scott | 216,108 | June 3, 1879 | 105 | ..... | 15 | 898 |
| Paper, Manufacturing | C. T. Tomkins | 222,430 | Dec. 9, 1879 | 357 | ..... | 16 | 1067 |
| Paper-mill rag-engines, Bed-plate for | A. Hankey | 221,812 | Nov. 18, 1879 | 791 | 220 | 16 | 938 |
| Paper or board, Compound | J. O. Gregg | 214,250 | Apr. 15, 1879 | 623 | ..... | 15 | 568 |
| Paper or other smooth surfaces so that the prepared surface may be easily embossed, Preparing. | F. W. Matthes | 212,030 | Feb. 4, 1879 | 232 | ..... | 15 | 155 |
| Paper organ-pipe | G. Beach | 213,612 | Mar. 25, 1879 | 963 | 273 | 15 | 445 |
| Paper, Package of prepared | C. C. White | 216,923 | June 24, 1879 | 1053 | 298 | 15 | 1046 |
| Paper-perforating machine | W. Kock | 213,908 | Apr. 1, 1879 | 190 | 55 | 15 | 497 |
| Paper-perforating machine | J. W. Seo | 223,176 | Dec. 30, 1879 | 1236 | 350 | 16 | 1221 |
| Paper-pocket | H. A. Fisher | 216,169 | June 3, 1879 | 170 | 51 | 15 | 906 |
| Paper pouch | J. H. Weaver | 220,510 | Oct. 14, 1879 | 343 | 91 | 16 | 699 |
| Paper-pulp and paper from grasses, Manufacture of | A. Seyler | 218,324 | Aug. 5, 1879 | 249 | ..... | 16 | 253 |
| Paper-pulp, Apparatus for forming and cutting sheets of. | F. Würtzbach | 217,666 | July 15, 1879 | 832 | 238 | 16 | 130 |
| Paper-pulp, Coffins and other articles of | H. B. Buck and D. H. Irland | 212,655 | Feb. 25, 1879 | 988 | 274 | 15 | 268 |
| Paper-pulp, Engine for preparing stock for making. | C. Bremaker | 216,505 | June 17, 1879 | 572 | 164 | 15 | 974 |
| Paper-pulp engines, Discharge-valve for | P. P. Emory | 213,640 | Mar. 25, 1879 | 996 | 284 | 15 | 450 |
| Paper-pulp from wood, Machine for making | H. A. Frambach | 220,970 | Oct. 28, 1879 | 899 | 240, 241 | 16 | 779 |
| Paper-pulp from wood, Manufacture of | S. M. Allen | 212,782 | Mar. 4, 1879 | 2 | ..... | 15 | 297 |
| Paper-pulp from wood, Manufacture of | S. M. Allen | 218,912 | Aug. 26, 1879 | 960 | 270 | 16 | 380 |
| Paper-pulp from wood, Manufacture of | S. M. Allen | 221,992 | Nov. 25, 1879 | 1010 | 283 | 16 | 977 |
| Paper-pulp from wood, &c., Manufacture of | W. E. Farrell | 215,728 | May 27, 1879 | 877 | ..... | 15 | 837 |
| Paper-pulp from wood, &c., Process and apparatus for making. | E. Johnson | 212,232 | Feb. 11, 1879 | 470 | 130 | 15 | 188 |
| Paper-pulp from wood, Process and machinery for making. | H. A. Frambach | 221,404 | Nov. 11, 1879 | 311 | 85 | 16 | 864 |
| Paper-pulp machinery, Wood | N. H. Burhans | 217,509 | July 15, 1879 | 659 | 188 | 16 | 108 |
| Paper-pulp, Renewing worn screen-plates for | M. S. Drake | 221,221 | Nov. 4, 1879 | 90 | 23 | 16 | 824 |
| Paper-pulp screen | J. S. Warren | 216,243 | June 3, 1879 | 244 | 73 | 15 | 916 |
| Paper scoring and cutting machine | G. L. Ingram | 212,314 | Feb. 18, 1879 | 570 | 159 | 15 | 205 |
| Paper scoring and cutting machine | W. F. Lodge | 212,315 | Feb. 18, 1879 | 571 | 159 | 15 | 205 |
| Paper sheets, Machine for feeding | L. Harlow | 215,058 | May 6, 1879 | 82 | 25 | 15 | 713 |
| Paper stencils, Manufacture of | J. Z. Gifford | 211,988 | Feb. 4, 1879 | 189 | 53 | 15 | 150 |
| Paper-stock, Disintegrating | J. R. Moffitt | 219,170 | Sept. 2, 1879 | 124 | 38 | 16 | 428 |
| Paper-stock, Machine for manufacturing | A. T. Sturdevant | 219,034 | Aug. 26, 1879 | 1086 | 305 | 16 | 396 |
| Paper-stock, &c., Machine for reducing wood to fiber for. | I. C. Forbes | 218,953 | Aug. 26, 1879 | 1001 | 282 | 16 | 386 |
| Paper-stock, Method and apparatus for making wood. | W. N. Cornell | 211,134 | Jan. 7, 1879 | 63 | 20 | 15 | 8 |
| Paper-stock, Reducing wood to | W. N. Cornell and C. Tollner | 220,808 | Oct. 21, 1879 | 703 | 186 | 16 | 744 |
| Paper stove-platform | R. W. Stilwell | 217,301 | July 8, 1879 | 420 | 124 | 16 | 66 |
| Paper, &c., Treatment of pine-leaves for the manufacture of. | A. W. Maass | 221,687 | Nov. 18, 1879 | 636 | ..... | 16 | 918 |
| Paper tubes, Machine for making and cutting | M. F. Wilson | 217,035 | July 1, 1879 | 120 | 35 | 16 | 18 |
| Paper vessel | W. C. Ritchie | 215,976 | May 27, 1879 | 1145 | 332 | 15 | 871 |
| Paper vessel | H. L. R. Wolf | 215,309 | May 13, 1879 | 403 | 119 | 15 | 756 |
| Paper, Waxing | S. Hammerschlag | 217,280 | July 8, 1879 | 401 | 118 | 16 | 63 |
| Paper webs, Machinery for damping | S. D. Tucker | 212,767 | Feb. 25, 1879 | 1103 | 306 | 15 | 284 |
| Paper-weight | F. Lunkenheimer | 212,022 | Feb. 4, 1879 | 223 | 63 | 15 | 154 |
| Papier-maché articles, Manufacture of | J. W. Bryant | 218,364 | Aug. 12, 1879 | 300 | 82 | 16 | 271 |
| Papier-maché, &c., Converting vegetable fiber into. | C. E. Ramus and G. J. Gregerson. | 221,100 | Oct. 28, 1879 | 1050 | ..... | 16 | 799 |
| Parasol | H. E. Israel | 213,659 | Mar. 25, 1879 | 1016 | 289 | 15 | 453 |
| Parer and corer, Fruit | R. Bennett | 217,507 | July 15, 1879 | 657 | 187 | 16 | 107 |
| Paring, coring, and quartering apples, Machine for. | T. G. McConnell | 218,549 | Aug. 12, 1879 | 515 | 144 | 16 | 301 |
| Passenger and time recorder | R. M. Rose | 223,171 | Dec. 30, 1879 | 1233 | 348 | 16 | 1220 |
| Passenger-gate | C. J. Jörgensen | 220,624 | Oct. 14, 1879 | 480 | 126 | 16 | 707 |
| Passenger-recorder | S. B. Crane | 214,628 | Apr. 22, 1879 | 1073 | 301 | 15 | 631 |
| Passenger-recorder, Electrical | S. B. Crane | 219,917 | Sept. 23, 1879 | 987 | 274, 275 | 16 | 567 |
| Pasting-machine | W. H. H. Mansfield | 218,889 | Aug. 26, 1879 | 937 | 263 | 16 | 377 |
| Pattern: *See* Garment-pattern. Glass-pattern. | | | | | | | |
| Pattern-cutting machine | E. Braley | 219,205 | Sept. 2, 1879 | 159 | 48 | 16 | 433 |
| Pattern-plate for drafting garments, Adjustable | E. V. Heaford | 215,613 | May 20, 1879 | 747 | 218 | 15 | 812 |
| Pattern-plate for drafting garments, Adjustable | A. McDowell | 213,436 | Mar. 18, 1879 | 766 | 216 | 15 | 412 |
| Patterns, Apparatus for grading | J. J. Breach | 219,615 | Sept. 16, 1879 | 639 | 177, 178 | 16 | 510 |
| Patterns for producing designs by the sand-blast process. | H. Wuerz | 214,742 | Apr. 22, 1879 | 1192 | ..... | 15 | 649 |
| Patterns to fabrics, Transferring | R. Hudson, H. Grimshaw, and C. Cronshaw. | 220,619 | Oct. 14, 1879 | 474 | ..... | 16 | 706 |
| Pavement | J. B. Speed | 211,941 | Feb. 4, 1879 | 136 | 39 | 15 | 143 |
| Pavement | J. B. Speed | 211,942 | Feb. 4, 1879 | 136 | 39 | 15 | 143 |
| Pavement and roadway | W. E. Lawrence | 211,749 | Jan. 28, 1879 | 801 | 225 | 15 | 109 |
| Pavement, Asphaltic | W. W. Averell | 211,313 | Jan. 14, 1879 | 288 | ..... | 15 | 38 |
| Pavement, Concrete | J. Murphy | 219,501 | Sept. 9, 1879 | 512 | 142 | 16 | 485 |
| Pavement, Concrete | A. Pelletier | 221,096 | Oct. 28, 1879 | 1047 | ..... | 16 | 799 |
| Pavement or roadway | S. E. Gross | 218,960 | Aug. 26, 1879 | 1007 | 283 | 16 | 387 |
| Pavement or roadway | S. E. Gross | 220,234 | Oct. 7, 1879 | 30 | 8 | 16 | 639 |
| Pavement, Stone | J. Lück | 221,585 | Nov. 11, 1879 | 523 | 143 | 16 | 894 |
| Pavement, Street | E. Devilliers | 222,025 | Nov. 25, 1879 | 1040 | 291 | 16 | 981 |
| Pavement, Street | G. W. Waite and C. Peck | 215,493 | May 20, 1879 | 611 | 179 | 15 | 794 |
| Pavement, Wood | S. L. Shellenberger | 211,430 | Jan. 14, 1879 | 419 | 119 | 15 | 54 |
| Pavement, Wood | W. H. Stow | 220,887 | Oct. 21, 1879 | 785 | 209 | 16 | 755 |
| Paving and roofing compound | A. T. Perry | 214,312 | Apr. 15, 1879 | 708 | ..... | 15 | 579 |
| Paving-block | J. C. Anderson and J. Greenawalt. | 220,693 | Oct. 21, 1879 | 567 | 151 | 16 | 727 |
| Paving-block | F. Geib | 214,383 | Apr. 15, 1879 | 788 | 221 | 15 | 590 |
| Paving composition | M. B. Bailey | 221,017 | Oct. 28, 1879 | 958 | ..... | 16 | 787 |

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| | | | | Spec. | Dr'g. | Vol. | Page |
| Pea-sheller | J. and S. W. Budd | 220,800 | Oct. 21, 1879 | 695 | 184 | 16 | 743 |
| Pea-shelling machine | J. Budd | 213,168 | Mar. 11, 1879 | 483 | 134 | 15 | 366 |
| Pease, Preparing | H. H. Beach | 223,024 | Dec. 30, 1879 | 1067 | ..... | 16 | 1198 |
| Pease, Preparation of | H. H. Beach | 215,313 | May 13, 1879 | 406 | ..... | 15 | 757 |
| Peach and plumb pitter | J. Lyon | 218,992 | Aug. 26, 1879 | 1043 | 294 | 16 | 391 |
| Peach cutter and stoner | J. W. Lowrence | 217,887 | July 29, 1879 | 1105 | 317 | 16 | 183 |
| Peanut cleaning and polishing apparatus | B. F. Walters | 220,450 | Oct. 7, 1879 | 262 | 70, 71 | 16 | 671 |
| Peanut-roaster | T. Lee | 212,146 | Feb. 11, 1879 | 378 | 103 | 15 | 176 |
| Peanuts, Machine for cleaning | B. H. Vellines | 211,535 | Jan. 21, 1879 | 536 | 151 | 15 | 71 |
| Peat-machine | E. P. Hudson | 216,958 | July 1, 1879 | 35 | 11 | 16 | 7 |
| Pedal | G. W. Neill | 223,061 | Dec. 30, 1879 | 1109 | 315 | 16 | 1203 |
| Pedal mechanism | W. R. McDonald | 213,767 | Apr. 1, 1879 | 38 | 12 | 15 | 478 |
| Pedo-motor | R. Gornall | 222,034 | Nov. 25, 1879 | 1052 | 294 | 16 | 982 |
| Peg-cutter | A. Whittemore | 214,072 | Apr. 8, 1879 | 418 | 117 | 15 | 532 |
| Peg-float | E. Dickinson | 214,555 | Apr. 22, 1879 | 997 | 280 | 15 | 624 |
| Peg-float | R. T. Ellifrit | 212,668 | Feb. 25, 1879 | 998 | 277 | 15 | 270 |
| Peg-float | P. Lowentraut | 222,714 | Dec. 16, 1879 | 703 | 202 | 16 | 1125 |
| Peg-rasper | W. B. Arnold | 213,729 | Apr. 1, 1879 | 1 | 1 | 15 | 473 |
| Pegging-jack | J. P. Phinney | 217,901 | July 29, 1879 | 1120 | 321 | 16 | 185 |
| Pegging-machine | J. E. Crisp | 211,651 | Jan. 28, 1879 | 689 | 193, 194 | 15 | 94 |
| Pegging-machine | J. E. Crisp | 221,785 | Nov. 18, 1879 | 743 | 208 | 16 | 933 |
| Pegging-machine | A. W. Moore | 212,814 | Mar. 4, 1879 | 37 | 13 | 15 | 302 |
| Pegging-machine | E. Woodward and M. Brock | 218,354 | Aug. 5, 1879 | 272 | 74, 75 | 16 | 256 |
| Pegging machine, Boot and shoe | W. G. Budleng | 222,659 | Dec. 16, 1879 | 644 | 184, 185 | 16 | 1117 |
| Pegging machine, Gang | E. Woodward and M. Brock | 216,926 | June 24, 1879 | 1056 | 299, 300 | 15 | 1046 |
| Pegging machinery, Boot and shoe | E. A. Adams and J. K. P. Nourse. | 215,258 | May 13, 1879 | 331 | 97, 98 | 15 | 747 |
| Pelts, Finishing | S. D. Castle | 213,737 | Apr. 1, 1879 | 8 | 3 | 15 | 474 |
| Pen | J. P. Wallace | 222,847 | Dec. 23, 1879 | 862 | 248 | 16 | 1158 |
| Pen and pencil case | W. Appleton | 221,715 | Nov. 18, 1879 | 670 | 187 | 16 | 922 |
| Pen and pencil case | J. W. Spear | 214,726 | Apr. 22, 1879 | 1178 | 331 | 15 | 647 |
| Pen, Fountain | J. S. Bard | 221,904 | Nov. 25, 1879 | 908 | 254 | 16 | 963 |
| Pen, Fountain | C. Baur | 220,568 | Oct. 14, 1879 | 417 | 108 | 16 | 699 |
| Pen, Fountain | L. W. Fairchild | 215,813 | May 27, 1879 | 971 | 284 | 15 | 850 |
| Pen, Fountain | J. Holland | 211,575 | Jan. 21, 1879 | 584 | 165 | 15 | 78 |
| Pen, Fountain | C. Henkmann | 221,815 | Nov. 18, 1879 | 794 | 221 | 16 | 938 |
| Pen, Fountain | H. Madeheim | 220,483 | Oct. 14, 1879 | 314 | 83 | 16 | 686 |
| Pen, Fountain | T. Prieux | 213,689 | Mar. 25, 1879 | 1048 | 298 | 15 | 457 |
| Pen, Fountain | W. A. Somers | 211,482 | Jan. 21, 1879 | 477 | 134 | 15 | 64 |
| Pen, Fountain | W. W. Stewart | 222,959 | Dec. 23, 1879 | 985 | 283 | 16 | 1176 |
| Pen, Fountain | G. Wells | 216,004 | May 27, 1879 | 1168 | 340 | 15 | 875 |
| Pen-holder | G. R. Bickers | 213,613 | Mar. 25, 1879 | 964 | 273 | 15 | 445 |
| Pen-holder | J. Hoffman | 213,571 | Mar. 25, 1879 | 920 | 262 | 15 | 440 |
| Pen holder, Fountain | W. W. Stewart | 214,795 | Apr. 29, 1879 | 1272 | 356 | 15 | 667 |
| Pen, pencil, and ink case | J. Graybill | 220,136 | Sept. 30, 1879 | 1251 | 344 | 16 | 611 |
| Pen, Perforating | M. E. Baird and J. W. Macy | 220,783 | Oct. 21, 1879 | 676 | 179 | 16 | 740 |
| Pen, Pneumatic perforating | J. C. Field and W. B. Farrar | 215,339 | May 13, 1879 | 430 | 128 | 15 | 760 |
| Pen, Pneumatic stencil | J. W. Breckenridge | 211,375 | Jan. 14, 1879 | 357 | 103 | 15 | 46 |
| Pen, Pulsating stencil | J. H. Gunning and H. B. Weiland. | 216,086 | June 3, 1879 | 87 | 25 | 15 | 896 |
| Pen, Soluble-ink | J. Hoffman | 213,570 | Mar. 25, 1879 | 920 | 262 | 15 | 439 |
| Pen, Stenciling | J. B. Bennett | 217,922 | July 29, 1879 | 1145 | 327 | 16 | 188 |
| Pen, Stenciling | W. L. Imlay | 218,273 | Aug. 5, 1879 | 185 | 50 | 16 | 245 |
| Pen, Stylographic fountain | C. H. Downes | 218,503 | Aug. 12, 1879 | 462 | 129 | 16 | 293 |
| Pen, Stylographic fountain | D. Mackinnon | 217,888 | July 29, 1879 | 1106 | 317 | 16 | 183 |
| Pen, Stylographic fountain | E. Todd | 218,905 | Aug. 26, 1879 | 955 | 268 | 16 | 379 |
| Pens, Fountain attachment for writing | I. W. Heysinger | 212,141 | Feb. 11, 1879 | 373 | 102 | 15 | 176 |
| Pencil | F. W. Allen and D. Crane | 211,489 | Jan. 21, 1879 | 485 | 137 | 15 | 65 |
| Pencil | L. De Faber | 213,884 | Apr. 1, 1879 | 167 | 49 | 15 | 494 |
| Pencil and line-measurer, Combined | J. A. Fresco | 222,687 | Dec. 16, 1879 | 677 | 194 | 16 | 1122 |
| Pencil and watch-key, Combined | L. W. Fairchild | 216,031 | June 3, 1879 | 29 | 8 | 15 | 888 |
| Pencil attachment | J. W. McGill | 220,632 | Oct. 14, 1879 | 488 | 128 | 16 | 708 |
| Pencil-case | J. C. Haring | 214,820 | Apr. 29, 1879 | 1301 | 363 | 15 | 670 |
| Pencil holder, Slate | H. T. Cushman | 219,151 | Sept. 2, 1879 | 104 | 31 | 16 | 425 |
| Pencil, Lead | J. E. Faber | 220,591 | Oct. 14, 1879 | 448 | 116 | 16 | 703 |
| Pencil sharpener and pencil-point protector, Combined. | M. C. Stone | 219,127 | Sept. 2, 1879 | 77 | 24 | 16 | 423 |
| Pencil sharpener and slate-frame, Combined slate | E. H. Clinton and W. Prather | 220,057 | Sept. 30, 1879 | 1164 | 320 | 16 | 599 |
| Pencil-sharpener, eraser, and tablet, Combined | H. Clayton | 217,446 | July 15, 1879 | 595 | 170 | 16 | 99 |
| Pendulum | O. W. Wade and D. G. White | 218,344 | Aug. 5, 1879 | 262 | 71 | 16 | 255 |
| Penetrable coupling to permit the passage of ropes, &c. | V. Frazee | 219,153 | Sept. 2, 1879 | 106 | 31 | 16 | 426 |
| Pepsin, Preparation of | W. H. Ball | 220,745 | Oct. 21, 1879 | 623 | ..... | 16 | 734 |
| Percussion-primer | M. Backes | 221,015 | Oct. 28, 1879 | 956 | 255 | 16 | 787 |
| Permanent-way adjuster | J. B. Mencière | 220,983 | Oct. 28, 1879 | 918 | 244, 245 | 16 | 781 |
| Permutation-lock | M. A. Dalton | 221,790 | Nov. 18, 1879 | 766 | 214 | 16 | 934 |
| Permutation-lock | J. E. Duncan and A. B. Alden | 215,591 | May 20, 1879 | 723 | 211 | 15 | 809 |
| Permutation-lock | C. S. Lewis | 215,229 | May 13, 1879 | 296 | 87 | 15 | 743 |
| Permutation-lock | J. McCaskey | 218,548 | Aug. 12, 1879 | 512 | 144 | 16 | 301 |
| Permutation-locks, Dial-screen for | J. Corbett and F. J. Miller | 212,359 | Feb. 18, 1879 | 624 | 175 | 15 | 212 |
| Pessary | D. Diller | 222,471 | Dec. 9, 1879 | 414 | 117 | 16 | 1074 |
| Pessary, Voltaic | J. J. Looney | 216,281 | June 10, 1879 | 312 | 93 | 15 | 931 |
| Petroleum, Apparatus for rectifying | J. Daul | 213,395 | Mar. 18, 1879 | 730 | 205 | 15 | 408 |
| Petroleum, Centrifugal apparatus for treating | J. C. Christopher and F. B. Squire | 217,063 | July 1, 1879 | 153 | 45 | 16 | 22 |
| Petroleum into a uniform, purified, and deodorized oil, Converting crude. | H. F. Howell | 216,518 | June 17, 1879 | 589 | 167 | 15 | 976 |
| Petroleum-oils, Refining | E. C. Kattell | 222,408 | Dec. 9, 1879 | 327 | 93 | 16 | 1064 |
| Petroleum-storing tank | F. K. Plumbly | 217,955 | July 29, 1879 | 1178 | 337 | 16 | 192 |
| Pharmaceutical apparatus | J. T. West | 222,109 | Nov. 25, 1879 | 1140 | 321 | 16 | 995 |
| Phonograph | A. W. Hall | 219,939 | Sept. 23, 1879 | 1013 | 282 | 16 | 571 |
| Phosphorescent substance | A. Krause | 223,050 | Dec. 30, 1879 | 1096 | ..... | 16 | 1202 |

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| Photo-negative engraving | M. H. Bachman and S. S. Peckinpaugh. | 221, 997 | Nov. 25, 1879 | 1015 | ..... | 16 | 977 |
| Photographic apparatus | T. H. Blair | 211, 957 | Feb. 4, 1879 | 156 | 45 | 15 | 146 |
| Photographic apparatus | J. R. Mote | 219, 294 | Sept. 2, 1879 | 272 | 77 | 16 | 446 |
| Photographic background | L. Moberly | 216, 435 | June 10, 1879 | 492 | 141 | 15 | 954 |
| Photographic background, Accessories for forming | W. F. Ashe | 211, 124 | Jan. 7, 1879 | 53 | 16 | 15 | 7 |
| Photographic burnisher | W. G. Entrekin | 213, 641 | Mar. 25, 1879 | 997 | 284 | 15 | 450 |
| Photographic embossing-press | N. Weston | 220, 780 | Oct. 21, 1879 | 673 | 178 | 16 | 740 |
| Photographic lens | J. A. Knapp | 212, 099 | Feb. 11, 1879 | 322 | 89 | 15 | 169 |
| Photographic negatives, Device for retouching | E. F. White and P. W. Snyder | 222, 616 | Dec. 16, 1879 | 594 | 169 | 16 | 1109 |
| Photographic picture, Colored | J. B. G. Bonnaud | 214, 752 | Apr. 29, 1879 | 1219 | ..... | 15 | 660 |
| Photographic pictures, Preparation of | T. R. Evans and F. S. Ideson | 211, 231 | Jan. 7, 1879 | 168 | ..... | 15 | 22 |
| Photographic-printing frame for solar printing | C. A. Gale | 223, 128 | Dec. 30, 1879 | 1188 | 336 | 16 | 1214 |
| Photographing objects in motion, Method and apparatus for. | E. J. Muybridge | 212, 864 | Mar. 4, 1879 | 96 | 28 | 15 | 310 |
| Photographing objects in motion, Method and apparatus for. | E. J. Muybridge | 212, 865 | Mar. 4, 1879 | 98 | 29 | 15 | 310 |
| Photographs, Coloring | J. C. Schuhmacher | 214, 008 | Apr. 8, 1879 | 316 | ..... | 15 | 522 |
| Piano | K. V. Barnekov | 216, 135 | June 3, 1879 | 134 | 40 | 15 | 902 |
| Piano and organ case | H. W. Smith | 214, 322 | Apr. 15, 1879 | 717 | 201 | 15 | 581 |
| Piano-damper attachment | G. Steck | 211, 115 | Jan. 7, 1879 | 43 | 14 | 15 | 6 |
| Piano-forte | E. Kaps | 218, 535 | Aug. 12, 1879 | 499 | 140 | 16 | 299 |
| Piano-forte | F. and H. Mathushek, jr | 212, 029 | Feb. 4, 1879 | 231 | 65 | 15 | 155 |
| Piano-forte | J. C. Ward | 222, 848 | Dec. 23, 1879 | 863 | 248, 249 | 16 | 1158 |
| Piano-forte action | G. O. V. Roedern | 213, 940 | Apr. 1, 1879 | 219 | 65 | 15 | 501 |
| Piano-forte action | G. O. V. Roedern | 215, 977 | May 27, 1879 | 1146 | 333 | 15 | 871 |
| Piano-forte-action frames, Device for adjusting | C. F. T. Steinway | 219, 323 | Sept. 2, 1879 | 307 | 86 | 16 | 451 |
| Piano-forte action, Grand | E. Westermayer | 214, 601 | Apr. 22, 1879 | 1045 | 293 | 15 | 630 |
| Piano-forte action, Upright | G. W. Neill | 223, 060 | Dec. 30, 1879 | 1107 | 314, 315 | 16 | 1203 |
| Piano-forte agraffe | C. W. Brewer | 215, 089 | May 6, 1879 | 118 | 35 | 15 | 717 |
| Piano-forte harmonica attachment | G. P. Roberts | 218, 900 | Aug. 26, 1879 | 950 | 266 | 16 | 379 |
| Piano-forte harmony attachment | G. A. Radinsky | 221, 609 | Nov. 11, 1879 | 545 | 150 | 16 | 897 |
| Piano-forte key-board | E. C. Cadot | 215, 208 | May 13, 1879 | 278 | 81 | 15 | 740 |
| Piano-forte music-desk | E. McCammon | 219, 821 | Sept. 23, 1879 | 892 | 245 | 16 | 553 |
| Piano-forte music-rack | G. W. Lyon | 216, 428 | June 10, 1879 | 480 | 138 | 15 | 953 |
| Piano-forte tuning-pin | W. Siedersleben | 215, 486 | May 20, 1879 | 603 | 177 | 15 | 792 |
| Piano-fortes, Device for leveling the key-frames of | C. F. T. Steinway | 217, 828 | July 22, 1879 | 1024 | 294 | 16 | 165 |
| Piano-hammer butt | G. W. Neill | 214, 836 | Apr. 29, 1879 | 1319 | 368 | 15 | 673 |
| Piano-lid | E. B. Scattergood | 223, 173 | Dec. 30, 1879 | 1235 | 349 | 16 | 1220 |
| Piano, Pedal | W. J. Becker | 212, 885 | Mar. 4, 1879 | 131 | 37, 38 | 15 | 313 |
| Piano sounding-board | A. H. Wood | 214, 226 | Apr. 8, 1879 | 575 | 162 | 15 | 553 |
| Pick-handle socket | A. P. Miller | 211, 419 | Jan. 14, 1879 | 404 | 115 | 15 | 52 |
| Picker: *See* Cotton-picker. Fruit-picker. Loom-picker. Nail-picker. | | | | | | | |
| Picket-stake | B. B. Blewett | 219, 203 | Sept. 2, 1879 | 157 | 47 | 16 | 432 |
| Pickling-vats, Composition for and construction of | J. H. Dreyer | 217, 205 | July 8, 1879 | 321 | 95 | 16 | 52 |
| Picture | A. F. Craig | 215, 725 | May 27, 1879 | 873 | 256 | 15 | 837 |
| Picture-exhibitor | P. Costa | 216, 659 | June 17, 1879 | 737 | 211 | 15 | 996 |
| Picture-exhibitor | A. L. High | 212, 465 | Feb. 18, 1879 | 758 | 209 | 15 | 230 |
| Picture-exhibitor | H. Hitchcock | 215, 221 | May 13, 1879 | 290 | 85 | 15 | 742 |
| Picture-frame | R. Hill | 215, 123 | May 6, 1879 | 167 | 47 | 15 | 722 |
| Picture-frame | H. B. Johnson | 222, 279 | Dec. 2, 1879 | 183 | 48 | 16 | 1034 |
| Picture-frame | H. Pattberg | 213, 344 | Mar. 18, 1879 | 681 | 191 | 15 | 401 |
| Picture-frame and packing-box, Combined | L. Cole | 214, 105 | Apr. 8, 1879 | 449 | 127 | 15 | 536 |
| Picture-frame attachment | H. A. Peaslee | 213, 131 | Mar. 11, 1879 | 436 | 121 | 15 | 361 |
| Picture-frame back-brace | J. Ried | 216, 347 | June 10, 1879 | 393 | 112 | 15 | 941 |
| Picture-frame clamp | W. H. Harrison | 212, 552 | Feb. 25, 1879 | 878 | 243 | 15 | 254 |
| Picture-frames, Manufacture of | A. Komp | 221, 581 | Nov. 11, 1879 | 519 | 142 | 16 | 893 |
| Picture-nail head | J. J. Laughlin | 215, 007 | May 6, 1879 | 27 | 9 | 15 | 706 |
| Picture-support | V. Vizet | 213, 263 | Mar. 11, 1879 | 579 | 161 | 15 | 379 |
| Pictures, Mounting | N. C. N. Laurense | 220, 159 | Sept. 30, 1879 | 1274 | 349 | 16 | 615 |
| Pictures or signs, Manufacture of transparent | C. Quartley | 217, 404 | July 8, 1879 | 531 | ..... | 16 | 79 |
| Pictures upon linen or other material, Producing colored. | J. Schuhmacher | 220, 435 | Oct. 7, 1879 | 248 | ..... | 16 | 669 |
| Pigments, Making lead | A. Faber Du Faur and F. Fohr | 218, 248 | Aug. 5, 1879 | 161 | 43 | 16 | 242 |
| Pigments, Manufacture of white | H. Knight | 212, 016 | Feb. 4, 1879 | 218 | ..... | 15 | 154 |
| Pigments, Manufacture of white | H. Knight | 212, 017 | Feb. 4, 1879 | 219 | ..... | 15 | 154 |
| Pigments of white lead, &c., Making | G. T. Lewis and E. O. Bartlett | 221, 836 | Nov. 18, 1879 | 815 | 226 | 16 | 941 |
| Pile-fabrics, Machinery for cutting | R. H. Plass | 222, 732 | Dec. 16, 1879 | 720 | 206 | 16 | 1128 |
| Pile, Guide | M. Parks | 216, 970 | July 1, 1879 | 49 | 15, 16 | 16 | 9 |
| Piles, Bearing-plate for | H. Carley and J. Johnson | 219, 618 | Sept. 16, 1879 | 644 | 179 | 16 | 511 |
| Piles, Protecting wooden | W. T. Garratt and S. J. Lynch | 215, 600 | May 20, 1879 | 731 | 214 | 15 | 810 |
| Pill-box | N. V. Randolph | 220, 658 | Oct. 14, 1879 | 516 | 136 | 16 | 712 |
| Pill-coating apparatus | H. M. Dury | 220, 361 | Oct. 7, 1879 | 167 | 44 | 16 | 657 |
| Pill feeder and counter | A. F. W. and W. F. A. Neynaber | 213, 296 | Mar. 18, 1879 | 630 | 177 | 15 | 394 |
| Pill-machine | W. N. Fort and R. R. Moore | 212, 453 | Feb. 18, 1879 | 744 | 205 | 15 | 228 |
| Pill-machine | J. Hill | 211, 733 | Jan. 28, 1879 | 782 | 220 | 15 | 107 |
| Pill-machine | J. M. Richards | 216, 107 | June 3, 1879 | 103 | 31 | 15 | 898 |
| Pill-machine | B. L. Smedley | 214, 849 | Apr. 29, 1879 | 1336 | 371 | 15 | 675 |
| Pills, Drying-closet for | A. F. W. Neynaber | 211, 770 | Jan. 28, 1879 | 821 | 231 | 15 | 112 |
| Pills, Machine for the manufacture of compressed | J. H. Gill | 215, 452 | May 20, 1879 | 562 | 165, 166 | 15 | 787 |
| Pillow-block, Adjustable | W. M. Mills | 220, 487 | Oct. 14, 1879 | 318 | 84 | 16 | 686 |
| Pillow, bolster, and mattress | T. S. Sperry | 217, 299 | July 8, 1879 | 419 | 123 | 16 | 65 |
| Pillow, mattress, &c., Ventilated | M. P. R. Tilton | 213, 360 | Mar. 18, 1879 | 697 | 195 | 15 | 403 |
| Pillow-sham frame and holder | J. R. Adams | 214, 800 | Apr. 29, 1879 | 1279 | 358 | 15 | 667 |
| Pillow-sham frame and holder | J. R. Adams | 222, 222 | Dec. 2, 1879 | 121 | 31 | 16 | 1025 |
| Pillow-sham holder, Adjustable | M. E. Smith and G. B | 220, 675 | Oct. 14, 1879 | 535 | 141 | 16 | 714 |
| Pin: *See* Braid-pin. Clothes-pin. Hair-pin. Husking-pin. Neck-wear pin. Rolling-pin. Safety-pin. | | | | | | | |

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| Pin and needle case | F. M. Piper | 214,003 | Apr. 8, 1879 | 311 | 90 | 15 | 521 |
| Pin-package | E. Fontaine | 211,723 | Jan. 28, 1879 | 772 | 216 | 15 | 105 |
| Pin-package | T. Piper | 221,098 | Oct. 28, 1879 | 1049 | 278 | 16 | 799 |
| Pinchers | J. Obrist | 219,504 | Sept. 9, 1879 | 513 | 143 | 16 | 486 |
| Pinchers | R. L. Taylor | 218,083 | July 29, 1879 | 1316 | 378 | 16 | 210 |
| Pinchers for attaching seam-protectors, paper-fasteners, &c. | C. Ruty and J. Weiser | 212,988 | Mar. 4, 1879 | 255 | 70 | 15 | 329 |
| Pipe: | | | | | | | |
| *See* Asphaltum pipe. Cigar-pipe. Clay, cement, and other pipe. Drain-pipe. Drip-pipe. Exhaust-pipe. Irrigation-pipe. Lift-pipe. Locomotive exhaust-pipe. Outlet-pipe. Paper organ-pipe. Pottery pipe. Sewer-pipe. Smoker's pipe. Smoking-pipe. Stand-pipe. Steam-conducting pipe. Stove-pipe. Supply and distributing pipe. Tobacco-pipe. | | | | | | | |
| Pipe and hose coupling | J. E. Chapin | 221,153 | Nov. 4, 1879 | 17 | 4 | 16 | 815 |
| Pipe and nut wrench | D. Fisher | 212,795 | Mar. 4, 1879 | 17 | 6 | 15 | 299 |
| Pipe and tubing, Galvanizing | W. P. Breeding | 222,655 | Dec. 16, 1879 | 641 | 183 | 16 | 1116 |
| Pipe-case and tobacco-pouch, Combined | R. E. Dixon | 219,450 | Sept. 9, 1879 | 458 | 127 | 16 | 478 |
| Pipe-coupling | J. Bradley | 220,910 | Oct. 28, 1879 | 822 | 220 | 16 | 769 |
| Pipe, &c., coupling | T. J. Bray | 218,701 | Aug. 19, 1879 | 692 | 197 | 16 | 334 |
| Pipe-coupling | A. S. Brownell | 213,037 | Mar. 11, 1879 | 322 | 90 | 15 | 346 |
| Pipe-coupling | H. Cain | 214,881 | Apr. 29, 1879 | 1366 | 380 | 15 | 679 |
| Pipe-coupling | W. Celer | 214,991 | May 6, 1879 | 11 | 4 | 15 | 704 |
| Pipe-coupling | S. P. M. Tasker | 217,249 | July 8, 1879 | 368 | 109 | 16 | 59 |
| Pipe coupling, Brake | G. Westinghouse, jr | 214,335 | Apr. 15, 1879 | 731 | 205 | 15 | 582 |
| Pipe-cutter | G. M. Fogelquist | 213,503 | Mar. 25, 1879 | 843 | 238 | 15 | 430 |
| Pipe-cutter | J. O. Morse | 212,256 | Feb. 11, 1879 | 497 | 138 | 15 | 192 |
| Pipe-cutter and screw-former | J. O. Morse | 212,255 | Feb. 11, 1879 | 495 | 138 | 15 | 192 |
| Pipe-cutting tool | H. Reichardt | 213,691 | Mar. 25, 1879 | 1049 | 298 | 15 | 457 |
| Pipe-elbow machine | F. P. Cady | 219,617 | Sept. 16, 1879 | 642 | 178 | 16 | 511 |
| Pipe-joint | W. C. Allison | 214,804 | Apr. 29, 1879 | 1283 | 359 | 15 | 688 |
| Pipe-joint | H. Broome | 221,442 | Nov. 11, 1879 | 354 | 97 | 16 | 870 |
| Pipe-joint | J. H. Clark | 214,812 | Apr. 29, 1879 | 1293 | 361 | 15 | 669 |
| Pipe-joint | J. P. Culver and T. H. Walsh | 217,927 | July 29, 1879 | 1148 | 328 | 16 | 188 |
| Pipe joint and coupling | W. M. Mixer and J. C. De La Vergne. | 220,407 | Oct. 7, 1879 | 219 | 59 | 16 | 665 |
| Pipe joint and coupling, Screw-threaded | W. C. Allison | 214,076 | Apr. 8, 1879 | 421 | 118 | 15 | 533 |
| Pipe-joint, Sheet-metal | H. Klein | 211,164 | Jan. 7, 1879 | 94 | 30 | 15 | 13 |
| Pipe, Machine for the manufacture of spiral-jointed | J. B. Root | 221,938 | Nov. 25, 1879 | 948 | 266, 267 | 16 | 969 |
| Pipe threading and cutting-off machine | L. W. Stockwell | 217,302 | July 8, 1879 | 421 | 124 | 16 | 66 |
| Pipe, tubing, &c., Coupling for | O. M. Roberts | 219,980 | Sept. 23, 1879 | 1058 | 293 | 16 | 577 |
| Pipe-wrench | D. P. Foster | 222,484 | Dec. 9, 1879 | 426 | 121 | 16 | 1076 |
| Pipe-wrench | S. W. Hudson | 212,468 | Feb. 18, 1879 | 762 | 211 | 15 | 230 |
| Pipe-wrench | E. S. Leaycraft | 218,285 | Aug. 5, 1879 | 200 | 54 | 16 | 247 |
| Pipe-wrench | W. Newcomb | 218,639 | Aug. 19, 1879 | 629 | 177 | 16 | 324 |
| Pipe-wrench | R. R. Piper | 219,758 | Sept. 16, 1879 | 799 | 220 | 16 | 532 |
| Pipe-wrench | H. Rhyn | 217,407 | July 8, 1879 | 525 | 153 | 16 | 80 |
| Pipe-wrench | H. Rhyn | 218,195 | Aug. 5, 1879 | 106 | 28 | 16 | 234 |
| Pipe-wrench | J. H. Vinton | 221,633 | Nov. 11, 1879 | 571 | 158 | 16 | 901 |
| Pipe-wrench attachment | P. Peppler | 214,697 | Apr. 22, 1879 | 1143 | 322 | 15 | 643 |
| Pipe-wrench with cutter | B. Franklin and J. Gilberds | 212,369 | Feb. 18, 1879 | 636 | 178, 179 | 15 | 213 |
| Pipes, Device for clearing obstructions from | T. B. Armstead | 219,428 | Sept. 9, 1879 | 437 | 121 | 16 | 475 |
| Pipes, Stock and die for screw-threading | H. O. Choles | 222,664 | Dec. 16, 1879 | 653 | 187 | 16 | 1118 |
| Pistol-hammer guard | W. S. Blunt | 219,845 | Sept. 23, 1879 | 911 | 252 | 16 | 556 |
| Pisten for hydraulic and other cylinders | F. A. Bishop | 221,390 | Nov. 11, 1879 | 297 | 81 | 16 | 862 |
| Piston meter, Steam | J. A. Cook | 216,833 | June 24, 1879 | 953 | 271 | 15 | 1034 |
| Pitcher | H. Berry | 222,444 | Dec. 9, 1879 | 370 | 105 | 16 | 1069 |
| Pitcher, Ice | S. W. Babbitt | 220,050 | Sept. 30, 1879 | 1155 | 318 | 16 | 597 |
| Pitcher, Ice | J. B. Beach | 218,916 | Aug. 26, 1879 | 964 | 271 | 16 | 381 |
| Pitchers, Hinged top for molasses | H. Wright | 218,416 | Aug. 12, 1879 | 355 | 98 | 16 | 279 |
| Pitman | B. F. Leslie | 220,395 | Oct. 7, 1879 | 205 | 55 | 16 | 663 |
| Pitman-connection | A. D. Love | 213,912 | Apr. 1, 1879 | 195 | 57 | 15 | 497 |
| Pitman-connection | J. P. Manny | 216,747 | June 24, 1879 | 855 | 242 | 15 | 1021 |
| Pitman-connection | S. Shiflett | 220,878 | Oct. 21, 1879 | 776 | 207 | 16 | 754 |
| Pitman-connection and crank-pin | D. H. Cooper | 215,795 | May 27, 1879 | 948 | 278 | 15 | 847 |
| Pitman-joint | J. F. Smith | 217,493 | July 15, 1879 | 643 | 183 | 16 | 105 |
| Plaiting-machine | J. H. Allison | 221,264 | Nov. 4, 1879 | 137 | 37 | 16 | 831 |
| Plaiting-machine | J. H. Brown | 215,790 | May 27, 1879 | 941 | 276, 277 | 15 | 846 |
| Plaiting-machine | C. T. Laur | 220,850 | Oct. 21, 1879 | 745 | 198 | 16 | 750 |
| Plaiting-machine | F. Panse | 214,787 | Apr. 29, 1879 | 1261 | 353 | 15 | 665 |
| Plaiting-machine | F. Panse | 214,788 | Apr. 29, 1879 | 1263 | 353, 354 | 15 | 665 |
| Plaiting-machine | L. O. Winans | 215,423 | May 13, 1879 | 514 | 152 | 15 | 772 |
| Plaiting-machine | H. P. Young | 219,611 | Sept. 16, 1879 | 635 | 176 | 16 | 510 |
| Plane | A. Johnson | 211,852 | Feb. 4, 1879 | 37 | 12 | 15 | 131 |
| Plane | H. B. Price | 216,698 | June 17, 1879 | 781 | 223 | 15 | 1002 |
| Plane, Bench | J. H. Lewis | 211,516 | Jan. 21, 1879 | 519 | 146 | 15 | 69 |
| Plane, Bench | L. C. Rodier | 212,986 | Mar. 4, 1879 | 252 | 69, 70 | 15 | 329 |
| Plane, Bench | J. Siegley | 216,979 | July 1, 1879 | 57 | 18 | 16 | 10 |
| Plane, Bench | J. A. Trant | 219,186 | Sept. 2, 1879 | 140 | 42 | 16 | 430 |
| Plane-stock, Flexible-faced | S. D. Sargent | 216,577 | June 17, 1879 | 652 | 185 | 15 | 985 |
| Plane-stocks, Machine for making | B. F. Barker | 219,900 | Sept. 23, 1879 | 967 | 268 | 16 | 564 |
| Planer, Endless-bed surface | H. V. Streit | 214,062 | Apr. 8, 1879 | 385 | 108 | 15 | 530 |
| Planer, Road | J. P. Lafetra | 213,210 | Mar. 11, 1879 | 522 | 145 | 15 | 372 |
| Planing and matching machine | W. H. Doane | 213,180 | Mar. 11, 1879 | 494 | 137 | 15 | 368 |
| Planing and matching machine | J. W. Metcalf | 220,299 | Oct. 7, 1879 | 100 | 26 | 16 | 648 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Planing and matching machine | G. W. Passel and W. H. Doane | 219, 651 | Sept. 16, 1879 | 688 | 191 | 16 | 517 |
| Planing-machine | A. Stevenson | 219, 602 | Sept. 16, 1879 | 622 | 174 | 16 | 508 |
| Planing-machine | J. A. Webster | 218, 349 | Aug. 5, 1879 | 266 | 72 | 16 | 255 |
| Planing-machine cutter-heads, &c., Machine for grinding the bits of. | W. C. Stetson | 223, 076 | Dec. 30, 1879 | 1128 | 319, 320 | 16 | 1206 |
| Planing-machine, Hand | H. D. Walls | 211, 811 | Jan. 28, 1879 | 871 | 244 | 15 | 118 |
| Planing-machine tables, Adjustment of | E. F. Gordon | 221, 805 | Nov. 18, 1879 | 784 | 218 | 16 | 937 |
| Planing machine, Wood | E. C. Preble and J. A. Peoples | 217, 238 | July 8, 1879 | 358 | 106 | 16 | 58 |
| Plant and vine culture | C. H. Sikes | 221, 620 | Nov. 11, 1879 | 555 | 153 | 16 | 898 |
| Plant-digger | A. Kreider | 212, 953 | Mar. 4, 1879 | 212 | 60 | 15 | 324 |
| Plant-extractor | W. James | 217, 383 | July 8, 1879 | 508 | 147 | 16 | 77 |
| Plant irrigator and propagator | C. A. Smith | 214, 263 | Apr. 15, 1879 | 639 | 179 | 15 | 571 |
| Plant-protector | E. R. Frederick | 212, 306 | Feb. 18, 1879 | 562 | 157 | 15 | 204 |
| Plant-sprinkler | A. Schrader | 216, 808 | June 24, 1879 | 925 | 263 | 15 | 1030 |
| Plant-sprinkler | J. Suydam | 214, 012 | Apr. 8, 1879 | 319 | 92 | 15 | 522 |
| Plants, &c., Apparatus for distributing poison on | G. Townsend | 212, 412 | Feb. 18, 1879 | 683 | 190 | 15 | 220 |
| Planter | C. Musgrove | 212, 564 | Feb. 25, 1879 | 891 | 246 | 15 | 256 |
| Planter and cultivator | T. M. Bowles and J. W. Farmer | 212, 178 | Feb. 11, 1879 | 410 | 111, 112 | 15 | 180 |
| Planter and cultivator | W. C. Thompson | 220, 553 | Oct. 14, 1879 | 397 | 103, 104 | 16 | 696 |
| Planter and cultivator, Combined | J. M. Brown | 219, 065 | Sept. 2, 1879 | 8 | 3 | 16 | 414 |
| Planter and cultivator, Combined | W. E. Lowrie | 211, 752 | Jan. 28, 1879 | 805 | 226 | 15 | 110 |
| Planter and cultivator, Combined | J. H. Tanner | 222, 748 | Dec. 16, 1879 | 736 | 211 | 16 | 1130 |
| Planter and drill, Check-row | G. J. Hyer | 212, 469 | Feb. 18, 1879 | 764 | 211 | 15 | 230 |
| Planter and drill, Corn | J. L. Roberts | 222, 311 | Dec. 2, 1879 | 216 | 57 | 16 | 1039 |
| Planter and drill, Corn | D. G. Sterling | 212, 115 | Feb. 11, 1879 | 342 | 93 | 15 | 171 |
| Planter and fertilizer-distributer, Combined corn | A. M. Gooch | 212, 685 | Feb. 25, 1879 | 1014 | 281 | 15 | 272 |
| Planter and fertilizer-distributer, Combined seed | N. Birdsall | 221, 276 | Nov. 4, 1879 | 149 | 41 | 16 | 833 |
| Planter and fertilizer-distributer, Combined seed | J. A. Hill | 222, 045 | Nov. 25, 1879 | 1063 | 297 | 16 | 984 |
| Planter and roller, Corn and seed | A. Sutton | 222, 546 | Dec. 9, 1879 | 495 | 139 | 16 | 1085 |
| Planter, Check-row | M. J. Barron | 212, 172 | Feb. 11, 1879 | 404 | 110 | 15 | 180 |
| Planter, Check-row corn | J. H. Allyn | 216, 775 | June 24, 1879 | 887 | 251, 252 | 15 | 1025 |
| Planter, Check-row corn | J. M. Hart | 220, 974 | Oct. 28, 1879 | 903 | 242 | 16 | 780 |
| Planter, Check-row corn | D. Unthank | 216, 120 | June 3, 1879 | 117 | 345 | 15 | 900 |
| Planter check-row wires or cords, Reel for corn | R. H. Avery | 222, 854 | Dec. 23, 1879 | 870 | 251 | 16 | 1159 |
| Planter, Combined | R. I. Cowden | 216, 781 | June 24, 1879 | 892 | 253 | 15 | 1026 |
| Planter, Combined cotton and corn | T. V. Cardwell | 214, 363 | Apr. 15, 1879 | 765 | 213 | 15 | 586 |
| Planter, Convertible cotton | W. T. Willie | 223, 204 | Dec. 30, 1879 | 1269 | 359 | 16 | 1225 |
| Planter, Corn | A. Aitken | 216, 127 | June 3, 1879 | 127 | 37 | 15 | 901 |
| Planter, Corn | R. H. Avery | 212, 086 | Feb. 11, 1879 | 310 | 85 | 15 | 167 |
| Planter, Corn | H. Bagley | 211, 370 | Jan. 14, 1879 | 350 | 102 | 15 | 45 |
| Planter, Corn | C. E. Beckwith | 217, 046 | July 1, 1879 | 132 | 39 | 16 | 19 |
| Planter, Corn | J. E. Bering, O. Colborne, and R. B. Richmond. | 215, 203 | May 13, 1879 | 271 | 80 | 15 | 739 |
| Planter, Corn | G. W. Bevis | 222, 445 | Dec. 9, 1879 | 371 | 105 | 16 | 1069 |
| Planter, Corn | G. W. Brown | 213, 972 | Apr. 8, 1879 | 275 | 80 | 15 | 516 |
| Planter, Corn | G. W. Brown | 215, 207 | May 13, 1879 | 277 | 81 | 15 | 740 |
| Planter, Corn | M. P. Brown | 221, 282 | Nov. 4, 1879 | 155 | 42 | 16 | 834 |
| Planter, Corn | J. M. Brownwell | 213, 093 | Mar. 11, 1879 | 395 | 109 | 15 | 355 |
| Planter, Corn | J. W. Bruner | 212, 787 | Mar. 4, 1879 | 8 | 2 | 15 | 298 |
| Planter, Corn | L. J. Corbin | 217, 777 | July 22, 1879 | 966 | 277 | 16 | 158 |
| Planter, Corn | P. H. Cresse | 211, 622 | Jan. 28, 1879 | 654 | 184 | 15 | 90 |
| Planter, Corn | A. Dick | 219, 624 | Sept. 16, 1879 | 654 | 182 | 16 | 513 |
| Planter, Corn | A. B. Dick | 213, 397 | Mar. 18, 1879 | 733 | 205, 206 | 15 | 408 |
| Planter, Corn | E. Emmert | 212, 669 | Feb. 25, 1879 | 999 | 277 | 15 | 270 |
| Planter, Corn | E. Emmert | 211, 559 | Jan. 21, 1879 | 563 | 159 | 15 | 75 |
| Planter, Corn | A. C. Evans | 217, 083 | July 1, 1879 | 178 | 51, 52 | 16 | 25 |
| Planter, Corn | C. G. Everet | 216, 386 | June 10, 1879 | 435 | 124 | 15 | 947 |
| Planter, Corn | W. W. Goodwin | 215, 913 | May 27, 1879 | 1084 | 315 | 15 | 863 |
| Planter, Corn | J. Hagen | 217, 940 | July 29, 1879 | 1163 | 333 | 16 | 190 |
| Planter, Corn | A. F. Hall | 218, 732 | Aug. 19, 1879 | 723 | 206 | 16 | 338 |
| Planter, Corn | G. D. Haworth | 222, 042 | Nov. 25, 1879 | 1060 | 296 | 16 | 983 |
| Planter, Corn | J. Kelly | 212, 708 | Feb. 25, 1879 | 1038 | 288 | 15 | 275 |
| Planter, Corn | J. Kelly | 216, 041 | June 3, 1879 | 39 | 11 | 15 | 890 |
| Planter, Corn | J. Kelly | 218, 633 | Aug. 19, 1879 | 624 | 175 | 16 | 324 |
| Planter, Corn | E. D. Macfee | 217, 627 | July 15, 1879 | 789 | 224 | 16 | 125 |
| Planter, Corn | J. P. R. Mann | 212, 959 | Mar. 4, 1879 | 223 | 62 | 15 | 325 |
| Planter, Corn | R. J. Markoe | 213, 995 | Apr. 8, 1879 | 299 | 87 | 15 | 520 |
| Planter, Corn | T. B. McConaughey | 212, 103 | Feb. 11, 1879 | 328 | 90 | 15 | 169 |
| Planter, Corn | G. W. and F. P. Murphey | 222, 197 | Dec. 2, 1879 | 91 | 23 | 16 | 1021 |
| Planter, Corn | A. and C. A. Norling | 214, 179 | Apr. 8, 1879 | 521 | 148 | 15 | 546 |
| Planter, Corn | S. Page | 213, 241 | Mar. 11, 1879 | 554 | 154 | 15 | 376 |
| Planter, Corn | J. A. Patterson | 216, 755 | June 24, 1879 | 863 | 245 | 15 | 1022 |
| Planter, Corn | T. Pepson | 211, 255 | Jan. 7, 1879 | 190 | 56 | 15 | 25 |
| Planter, Corn | B. M. Pulliam | 222, 421 | Dec. 9, 1879 | 344 | 97 | 16 | 1066 |
| Planter, Corn | J. A. Roderick | 212, 509 | Feb. 18, 1879 | 818 | 226 | 15 | 238 |
| Planter, Corn | L. Scofield | 218, 833 | Aug. 26, 1879 | 862 | 242, 243, 244 | 16 | 366 |
| Planter Corn | O. B. Seamans and J. H. Glezen | 216, 226 | June 3, 1879 | 226 | 67 | 15 | 913 |
| Planter, Corn | J. Selby | 216, 295 | June 10, 1879 | 327 | 96 | 15 | 933 |
| Planter, Corn | F. W. Shellabarger | 223, 069 | Dec. 30, 1879 | 1119 | 317, 318 | 16 | 1204 |
| Planter, Corn | G. Simonson | 216, 113 | June 3, 1879 | 109 | 32 | 15 | 898 |
| Planter, Corn | N. O. Starks | 212, 761 | Feb. 25, 1879 | 1097 | 304 | 15 | 283 |
| Planter, Corn | J. P. Stoeffler and F. Strub | 218, 078 | July 29, 1879 | 1308 | 375, 376 | 16 | 209 |
| Planter, Corn | T. F. Tanner | 216, 471 | June 10, 1879 | 528 | 151 | 15 | 959 |
| Planter, Corn | J. Taylor and J. E. Rice | 215, 991 | May 27, 1879 | 1157 | 336 | 15 | 873 |
| Planter, Corn | J. F. Walker | 220, 684 | Oct. 14, 1879 | 543 | 144 | 16 | 716 |
| Planter, Corn | J. H. Warfield | 222, 104 | Nov. 25, 1879 | 1135 | 320 | 16 | 994 |
| Planter, Corn | B. A. Welds | 211, 448 | Jan. 14, 1879 | 439 | 124 | 15 | 56 |

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|---|---|---|---|---|---|---|---|
| Planter, Corn | J. A. Werner | 218, 800 | Aug. 19, 1879 | 798 | 227 | 16 | 348 |
| Planter, Corn and cotton | R. H. Rhea | 222, 797 | Dec. 23, 1879 | 801 | 230 | 16 | 1150 |
| Planter, Corn and cotton-seed | Z. T. Lee | 221, 241 | Nov. 4, 1879 | 114 | 30 | 16 | 828 |
| Planter, Corn and pea | L. H. and R. F. Johnson | 219, 482 | Sept. 9, 1879 | 490 | 136 | 16 | 483 |
| Planter, Corn and rice | J. R. Teass | 219, 036 | Aug. 26, 1879 | 1089 | 306 | 16 | 397 |
| Planter, Corn and seed | G. W. Miller | 214, 683 | Apr. 22, 1879 | 1130 | 317 | 15 | 641 |
| Planter, Corn, cotton, and seed | J. J. Culp and W. H. Montague | 221, 532 | Nov. 11, 1879 | 467 | 127 | 16 | 885 |
| Planter, Cotton | T. M. Barna | 216, 548 | June 17, 1879 | 616 | 175 | 15 | 980 |
| Planter, Cotton | W. H. Whetstone | 219, 548 | Sept. 9, 1879 | 554 | 155 | 16 | 491 |
| Planter, Cotton and seed | E. B. Loyless | 222, 517 | Dec. 9, 1879 | 457 | 131 | 17 | 1080 |
| Planter, Cotton-seed | H. A. Walker | 211, 197 | Jan. 7, 1879 | 131 | 41 | 15 | 18 |
| Planter, Grain | J. W. Rykard | 221, 104 | Oct. 28, 1879 | 1053 | 279 | 16 | 799 |
| Planter, Hand corn | F. C. Frost | 219, 573 | Sept. 16, 1879 | 592 | 165 | 16 | 504 |
| Planter, Hand corn | A. M. Haswell | 212, 929 | Mar. 4, 1879 | 188 | 52 | 15 | 320 |
| Planter, Hand corn | E. Putnam | 221, 973 | Nov. 25, 1879 | 991 | 277 | 16 | 974 |
| Planter, Hand seed | R. R. Lewis | 216, 423 | June 10, 1879 | 477 | 137 | 15 | 952 |
| Planter, Horse corn | A. C. Andre | 217, 191 | July 8, 1879 | 307 | 91 | 16 | 51 |
| Planter, Potato | M. Böckman | 216, 934 | July 1, 1879 | 7 | 2 | 16 | 3 |
| Planter, Seed | J. C. Barlow | 212, 088 | Feb. 11, 1879 | 312 | 85 | 15 | 167 |
| Planter, Seed | J. C. Barlow | 220, 268 | Oct. 7, 1879 | 63 | 17 | 16 | 643 |
| Planter, Seed | R. S. Carr | 218, 160 | Aug. 5, 1879 | 62 | 17 | 16 | 229 |
| Planter, Seed | G. W. Edwards | 216, 163 | June 3, 1879 | 159 | 47 | 15 | 905 |
| Planter, Seed | W. J. Ellis | 213, 639 | Mar. 25, 1879 | 994 | 283 | 15 | 450 |
| Planter, Seed | J. D. Green | 211, 729 | Jan. 28, 1879 | 779 | 218 | 15 | 106 |
| Planter, Seed | J. M. and S. B. Heiges | 215, 614 | May 20, 1879 | 749 | 218 | 15 | 812 |
| Planter, Seed | A. L. Ide and C. W. Post | 212, 938 | Mar. 4, 1879 | 196 | 54 | 15 | 321 |
| Planter, Seed | W. E. Kelley | 217, 113 | July 1, 1879 | 211 | 60, 61 | 16 | 29 |
| Planter, Seed | J. A. Kirkpatrick | 223, 148 | Dec. 30, 1879 | 1211 | 342 | 16 | 1217 |
| Planter, Seed | S. C. Knight | 213, 430 | Mar. 18, 1879 | 761 | 214 | 15 | 412 |
| Planter, Seed | W. J. Mercer | 213, 227 | Mar. 11, 1879 | 539 | 150 | 15 | 374 |
| Planter, Seed | J. H. Morgan | 213, 057 | Mar. 11, 1879 | 343 | 96, 97 | 15 | 349 |
| Planter, Seed | A. B. Pierson | 217, 237 | July 8, 1879 | 357 | 105 | 16 | 57 |
| Planter, Seed | J. Preston, C. W. Tennis, and J. B. Hamilton. | 213, 066 | Mar. 11, 1879 | 355 | 99, 100 | 15 | 351 |
| Planter, Seed | A. Record | 211, 182 | Jan. 7, 1879 | 109 | 34 | 15 | 15 |
| Planter, Seed | B. Richardson | 222, 078 | Nov. 25, 1879 | 1100 | 309 | 16 | 990 |
| Planter, Seed | M. T. Sims and L. B. Irvin | 211, 270 | Jan. 7, 1879 | 210 | 61 | 15 | 27 |
| Planter, Seed | E. C. Strange | 215, 689 | May 20, 1879 | 826 | 241 | 15 | 822 |
| Planter, Seed | S. M. Worthington and T. T. Templin. | 214, 227 | Apr. 8, 1879 | 576 | 162, 163 | 15 | 553 |
| Planter, Seed and corn | M. Martischang | 218, 890 | Aug. 26, 1879 | 939 | 263, 264 | 16 | 377 |
| Planters, Check-row attachment for corn | E. W. Quincy | 222, 599 | Dec. 16, 1879 | 571 | 162 | 16 | 1106 |
| Planters, Check-row attachment for corn | O. W. Van Osdel | 214, 973 | Apr. 29, 1879 | 1458 | 406 | 15 | 692 |
| Planters, Check-row attachment to corn | J. Thomson | 223, 190 | Dec. 30, 1879 | 1250 | 354 | 16 | 1223 |
| Planters, Check-row attachment to seed | G. S. Simpson | 217, 751 | July 22, 1879 | 941 | 270 | 16 | 154 |
| Planters, Check-row dropper attachment for corn | W. R. Iles | 222, 278 | Dec. 2, 1879 | 182 | 48 | 16 | 1034 |
| Planters, Check-rower attachment for corn | W. L. Phillips | 217, 401 | July 8, 1879 | 528 | 152 | 16 | 79 |
| Planters, Check-rower for corn | L. B. Berrien | 213, 732 | Apr. 1, 1879 | 4 | 2 | 15 | 473 |
| Planters, Check-rower for corn | W. R. Cunningham | 219, 695 | Sept. 16, 1879 | 738 | 204 | 16 | 524 |
| Planters, Check-rower for corn | G. W. and F. P. Murphey | 221, 089 | Oct. 28, 1879 | 1038 | 275 | 16 | 798 |
| Planters, Check-rower for corn | E. W. Quincy | 213, 449 | Mar. 18, 1879 | 780 | 220 | 15 | 414 |
| Planters, Check-rower for corn | O. B. Rollins and J. W. Hudson | 221, 615 | Nov. 11, 1879 | 521 | 152 | 16 | 898 |
| Planters, Marking attachment for corn | J. H. Simkins | 215, 684 | May 20, 1879 | 821 | 240 | 15 | 822 |
| Planters, Runner for corn | G. S. Rarey | 219, 518 | Sept. 9, 1879 | 527 | 147 | 16 | 488 |
| Planters, Seed-dropping attachment for | J. P. Hall and H. Jacobsen | 220, 142 | Sept. 30, 1879 | 1258 | 346 | 16 | 612 |
| Plaster and pad, Combined | R. M. Kennedy | 215, 937 | May 27, 1879 | 1109 | 321 | 15 | 866 |
| Plasterer's mold | C. Kleinschmidt | 222, 505 | Dec. 9, 1879 | 447 | 128 | 16 | 1079 |
| Plasterer's tool | J. H. Lucas | 213, 671 | Mar. 25, 1879 | 1031 | 293 | 15 | 454 |
| Plastering walls, Machine for | G. Stevens | 216, 907 | June 24, 1879 | 1037 | 293 | 15 | 1044 |
| Plate-holder | V. Vizet | 213, 264 | Mar. 11, 1879 | 580 | 161 | 15 | 379 |
| Plated ware, Covered articles of | H. C. Wilcox and J. Jepson | 217, 662 | July 15, 1879 | 828 | 237 | 16 | 130 |
| Plated ware, tool for ornamenting | H. W. Hirschfeld | 220, 759 | Oct. 21, 1879 | 642 | 171 | 16 | 737 |
| Plates and dishes, Device for securing ornamental designs to. | F. A. Marra | 222, 594 | Dec. 16, 1879 | 566 | 161 | 16 | 1105 |
| Platform: *See* Paper stove-platform. Supporting-platform. Stove-platform. | | | | | | | |
| Platform or mat | H. L. Palmer | 216, 573 | June 17, 1879 | 646 | 184 | 15 | 984 |
| Pliers for attaching shoe and glove fastenings | F. G. Farnham | 212, 206 | Feb. 11, 1879 | 448 | 123 | 15 | 185 |
| Plow | H. R. Ackley | 222, 979 | Dec. 30, 1879 | 1015 | 291 | 16 | 1191 |
| Plow | R. Adamson | 221, 901 | Nov. 25, 1879 | 905 | 253 | 16 | 963 |
| Plow | W. B. Allen | 214, 272 | Apr. 15, 1879 | 649 | 182 | 15 | 572 |
| Plow | J. Austin | 218, 592 | June 17, 1879 | 669 | 191 | 15 | 987 |
| Plow | W. L. Barton | 222, 980 | Dec. 30, 1879 | 1015 | 291 | 16 | 1191 |
| Plow | E. O. Beach | 215, 715 | May 27, 1879 | 862 | 252 | 15 | 836 |
| Plow | J. H. Burghardt | 214, 487 | Apr. 22, 1879 | 909 | 256 | 15 | 614 |
| Plow | M. Butler | 219, 687 | Sept. 16, 1879 | 728 | 202 | 16 | 522 |
| Plow | T. Carlson | 212, 188 | Feb. 11, 1879 | 428 | 117 | 15 | 183 |
| Plow | L. Chapman | 222, 984 | Dec. 30, 1879 | 1022 | 292 | 16 | 1192 |
| Plow | W. Coppage | 222, 576 | Dec. 16, 1879 | 542 | 154 | 16 | 1102 |
| Plow | J. B. Crenshaw | 221, 034 | Oct. 28, 1879 | 977 | 260 | 16 | 789 |
| Plow | C. T. Crook and L. J. Huffman | 221, 528 | Nov. 11, 1879 | 459 | 125 | 16 | 884 |
| Plow | G. Dodge | 211, 892 | Feb. 4, 1879 | 78 | 23 | 15 | 136 |
| Plow | C. V. Dyer | 213, 878 | Apr. 1, 1879 | 163 | 48 | 15 | 493 |
| Plow | J. I. Eavenson | 211, 557 | Jan. 21, 1879 | 561 | 159 | 15 | 74 |
| Plow | J. I. Eavenson | 221, 798 | Nov. 18, 1879 | 776 | 217 | 16 | 935 |
| Plow | L. S. Edlebluto | 217, 594 | July 15, 1879 | 756 | 215 | 16 | 120 |
| Plow | W. A. Estes | 212, 205 | Feb. 11, 1879 | 447 | 123 | 15 | 185 |
| Plow | F. Gautier | 218, 253 | Aug. 5, 1879 | 167 | 45 | 16 | 243 |
| Plow | M. L. Gibbs | 212, 209 | Feb. 11, 1879 | 451 | 124 | 15 | 186 |
| Plow | G. L. Gifford | 213, 410 | Mar. 18, 1879 | 745 | 209 | 15 | 409 |
| Plow | A. Goodyear | 213, 188 | Mar. 11, 1879 | 502 | 139 | 15 | 369 |
| Plow | A. Goodyear | 218, 517 | Aug. 12, 1879 | 479 | 134 | 16 | 295 |
| Plow | A. Goodyear | 222, 894 | Dec. 23, 1879 | 912 | 263 | 16 | 1166 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Plow | J. T. Greenfield | 219,935 | Sept. 23, 1879 | 1008 | 280 | 16 | 570 |
| Plow | A. Hackman | 217,368 | July 8, 1879 | 496 | 144 | 16 | 75 |
| Plow | W. H. Harrington and A. B. Merrill. | 216,271 | June 10, 1879 | 297 | 87 | 15 | 929 |
| Plow | W. S. Johnson | 213,661 | Mar. 25, 1879 | 1018 | 290 | 15 | 453 |
| Plow | J. Kinstler | 214,924 | Apr. 29, 1879 | 1411 | 391 | 15 | 685 |
| Plow | J. W. Klineline | 215,634 | May 20, 1879 | 769 | 225, 226 | 15 | 815 |
| Plow | G. D. Loomis | 213,051 | Mar. 11, 1879 | 336 | 95 | 15 | 348 |
| Plow | A. L. Manning | 211,632 | Jan. 28, 1879 | 666 | 187 | 15 | 92 |
| Plow | J. M. Martin, jr | 219,748 | Sept. 16, 1879 | 787 | 217 | 16 | 530 |
| Plow | J. M Matthews | 216,050 | June 3, 1879 | 50 | 13 | 15 | 891 |
| Plow | G. W. McDaniel | 213,225 | Mar. 11, 1879 | 537 | 149 | 15 | 374 |
| Plow | T. Meikle and B. Coleman | 214,259 | Apr. 15, 1879 | 636 | 178 | 15 | 570 |
| Plow | A. Nowsom | 218,558 | Aug. 12, 1879 | 524 | 147 | 16 | 302 |
| Plow | J. A. J. W. Parker | 219,509 | Sept. 9, 1879 | 518 | 144 | 16 | 487 |
| Plow | R. R. Pedrick | 221,095 | Oct. 28, 1879 | 1044 | 277 | 16 | 798 |
| Plow | W. J. Pirkle | 218,568 | Aug. 12, 1879 | 534 | 150 | 16 | 304 |
| Plow | A. A. Pratt | 222,075 | Nov. 25, 1879 | 1098 | 308 | 16 | 989 |
| Plow | J. S. and E. C. Robinson | 221,975 | Nov. 25, 1879 | 992 | 278 | 16 | 975 |
| Plow | A. C. Schram | 222,313 | Dec. 2, 1879 | 218 | 58 | 16 | 1039 |
| Plow | J. Seaman | 214,201 | Apr. 8, 1879 | 543 | 155 | 15 | 549 |
| Plow | W. W. Speer | 219,029 | Aug. 26, 1879 | 1082 | 304 | 16 | 396 |
| Plow | W. W. Speer | 219,317 | Sept. 2, 1879 | 298 | 84 | 16 | 449 |
| Plow | A. W. Tucker | 213,149 | Mar. 11, 1879 | 460 | 127 | 15 | 363 |
| Plow | A. W. Tucker | 220,446 | Oct. 7, 1879 | 258 | 69 | 16 | 671 |
| Plow | C. W. Twigg | 213,475 | Mar. 18, 1879 | 801 | 226 | 15 | 417 |
| Plow | E. Walker | 212,524 | Feb. 18, 1879 | 833 | 231 | 15 | 239 |
| Plow | A. W. Washburn | 214,476 | Apr. 15, 1879 | 879 | 248 | 15 | 602 |
| Plow | E. Wiard | 216,772 | June 24, 1879 | 882 | 251 | 15 | 1025 |
| Plow | E. Wiard | 216,773 | June 24, 1879 | 884 | 251 | 15 | 1025 |
| Plow | H. Wiard and W. R. Bullock | 219,191 | Sept. 2, 1879 | 146 | 44 | 16 | 431 |
| Plow | C. O. Wilder | 214,737 | Apr. 22, 1879 | 1188 | 334 | 15 | 648 |
| Plow | C. O. Wilder | 217,759 | July 22, 1879 | 948 | 272 | 16 | 155 |
| Plow | W. H. Wilder | 211,822 | Jan. 28, 1879 | 882 | 248 | 15 | 120 |
| Plow | L. E. Woodward | 212,295 | Feb. 11, 1879 | 538 | 151 | 15 | 198 |
| Plow | L. E. Woodward | 221,136 | Oct. 28, 1879 | 1081 | 285 | 16 | 803 |
| Plow and cultivator coupling | W. P. Brown | 216,145 | June 3, 1879 | 144 | 43 | 15 | 903 |
| Plow and planter, Subsoil | L. Kirlin | 217,386 | July 8, 1879 | 511 | 148 | 16 | 77 |
| Plow and pulverizing harrow, Combined | C. E. Sackett | 222,603 | Dec. 16, 1879 | 576 | 164 | 16 | 1106 |
| Plow and stalk-cutter, Grub | R. J. Talley | 211,433 | Jan. 14, 1879 | 422 | 120 | 15 | 54 |
| Plow attachment | A. O. Bement | 212,429 | Feb. 18, 1879 | 711 | 196 | 15 | 223 |
| Plow attachment | C. E. Brown | 219,144 | Sept. 2, 1879 | 97 | 29 | 16 | 425 |
| Plow attachment | W. P. Brown | 216,146 | June 3, 1879 | 145 | 43 | 15 | 903 |
| Plow attachment, Sulky | M. Brown | 216,375 | June 10, 1879 | 427 | 121 | 15 | 946 |
| Plow attachment, Wheel | J. R. Cummins | 213,178 | Mar. 11, 1879 | 493 | 136 | 15 | 368 |
| Plow-beam | W. J. Ball | 214,986 | May 6, 1879 | 6 | 3 | 15 | 703 |
| Plow-beam | A. J. Nellis | 219,006 | Aug. 26, 1879 | 1059 | 299 | 16 | 393 |
| Plow-beams, Machine for bending | W. J. Ball | 216,077 | June 3, 1879 | 78 | 22 | 15 | 894 |
| Plow-colter attachment | H. and J. Oldendorph | 220,650 | Oct. 14, 1879 | 509 | 134 | 16 | 711 |
| Plow-colter holder | E. B. Whitman | 219,663 | Sept. 16, 1879 | 703 | 195 | 16 | 518 |
| Plow-colters, Attaching | F. Gaunt | 217,363 | July 8, 1879 | 490 | 142 | 16 | 75 |
| Plow-cutter | A. Aldrich | 212,419 | Feb. 18, 1879 | 691 | 192 | 15 | 221 |
| Plow, Double-acting reversible gang | W. H. Foye | 220,367 | Oct. 7, 1879 | 174 | 46 | 16 | 658 |
| Plow, Gang | J. Belduke | 219,565 | Sept. 16, 1879 | 583 | 163 | 16 | 503 |
| Plow, Gang | J. Clayton | 213,623 | Mar. 25, 1879 | 976 | 277 | 15 | 447 |
| Plow, Gang | J. J. Fletcher and J. W. Sursa | 218,250 | Aug. 5, 1879 | 163 | 44 | 16 | 242 |
| Plow, Gang | R. Hart and M. P. Nicholson | 219,467 | Sept. 9, 1879 | 475 | 132 | 16 | 480 |
| Plow, Gang | L. M. Kelly | 213,906 | Apr. 1, 1879 | 189 | 55 | 15 | 497 |
| Plow, harrow, and drill, Combined | C. E. Sackett | 220,176 | Sept. 30, 1879 | 1294 | 356, 357 | 16 | 618 |
| Plow, harrow, and seed-drill, Combined | C. E. Sackett | 220,177 | Sept. 30, 1879 | 1296 | 357, 358 | 16 | 618 |
| Plow, Hill-side | W. E. Connelly | 213,095 | Mar. 11, 1879 | 397 | 110 | 15 | 356 |
| Plow, Hill-side | G. W. Peterson | 216,448 | June 10, 1879 | 507 | 144 | 15 | 957 |
| Plow, Hill-side | H. Wiard and W. R. Bullock | 220,453 | Oct. 7, 1879 | 267 | 72 | 16 | 672 |
| Plow-irons, Manufacture of | J. M. and D. D. Hill | 218,025 | July 29, 1879 | 1255 | 359 | 16 | 202 |
| Plow-jointer | R. Graves | 221,053 | Oct. 28, 1879 | 1001 | 265 | 16 | 792 |
| Plow mold-board | J. W. Fields | 223,124 | Dec. 30, 1879 | 1185 | 335 | 16 | 1214 |
| Plow mold-boards, Chill for chilling | J. Oliver | 220,086 | Sept. 30, 1879 | 1196 | 330, 331 | 16 | 603 |
| Plow or cultivator | W. E. Lowrie | 219,745 | Sept. 16, 1879 | 785 | 216 | 16 | 530 |
| Plow-point | J. B. Brown and J. Pentreath | 220,270 | Oct. 7, 1879 | 66 | 18 | 16 | 643 |
| Plow-point | L. W. Hall | 220,373 | Oct. 7, 1879 | 184 | 49 | 16 | 660 |
| Plow-point | J. Oliver | 220,649 | Oct. 14, 1879 | 506 | 133, 134 | 16 | 710 |
| Plow-point, Chilled | J. Oliver | 217,898 | July 29, 1879 | 1116 | 320 | 16 | 184 |
| Plow-points, Chill for chilling | J. Oliver | 220,648 | Oct. 14, 1879 | 504 | 132, 133 | 16 | 710 |
| Plow, Reversible | L. Chapman | 219,220 | Sept. 2, 1879 | 184 | 55 | 16 | 436 |
| Plow, Reversible | O. Haskin | 221,457 | Nov. 11, 1879 | 368 | 101 | 16 | 872 |
| Plow, Reversible gang | J. Chapman | 212,897 | Mar. 4, 1879 | 146 | 41 | 15 | 315 |
| Plow, Reversible sulky | L. Chapman | 219,219 | Sept. 2, 1879 | 183 | 54, 55 | 16 | 436 |
| Plow, Riding | A. Belchambers | 220,790 | Oct. 21, 1879 | 683 | 181 | 16 | 741 |
| Plow, Riding | G. E. Wolcott | 216,714 | June 17, 1879 | 796 | 228 | 15 | 1005 |
| Plow, Rotary gang | N. Palmer | 213,242 | Mar. 11, 1879 | 555 | 154, 155 | 15 | 376 |
| Plow, Rotary mold-board | N. Palmer | 211,638 | Jan. 28, 1879 | 676 | 190 | 15 | 93 |
| Plow scraper and sweep attachment | G. B. Gay | 219,456 | Sept. 9, 1879 | 466 | 129 | 16 | 479 |
| Plowshare | J. H. Barr | 211,689 | Jan. 28, 1879 | 731 | 204 | 15 | 100 |
| Plowshares, Mold for | M. Shore | 214,848 | Apr. 29, 1879 | 1335 | 371 | 15 | 675 |
| Plow, Shovel | W. J. Davidson | 220,352 | Oct. 7, 1879 | 157 | 42 | 16 | 656 |
| Plow, Snow | J. Osgood and J. E. Morse | 214,310 | Apr. 15, 1879 | 705 | 198 | 15 | 579 |
| Plow-standard | G. C. Avery | 218,417 | Aug. 12, 1879 | 356 | 98 | 16 | 279 |
| Plow-standards, Manufacture of | T. C. Pinckard | 217,481 | July 15, 1879 | 631 | 180 | 16 | 104 |

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|---|---|---|---|---|---|---|---|
| Plow, Steam | J. Fogarty | 211, 843 | Feb. 4, 1879 | 18 | 6, 7 | 15 | 129 |
| Plow, Sulky | J. P. Black and T. Pates | 213, 614 | Mar. 25, 1879 | 965 | 274 | 15 | 445 |
| Plow, Sulky | B. C. Bradley | 219, 799 | Sept. 23, 1879 | 867 | 239 | 16 | 550 |
| Plow, Sulky | B. C. Bradley and C. A. Hague | 219, 800 | Sept. 23, 1879 | 868 | 239, 240 | 16 | 550 |
| Plow, Sulky | L. Brown | 211, 696 | Jan. 28, 1879 | 738 | 206 | 15 | 101 |
| Plow, Sulky | M. Cahill | 218, 856 | Aug. 26, 1879 | 898 | 251 | 16 | 371 |
| Plow, Sulky | P. L. Case | 220, 701 | Oct. 21, 1879 | 574 | 153 | 16 | 728 |
| Plow, Sulky | C. C. Clover | 212, 193 | Feb. 11, 1879 | 435 | 119 | 15 | 184 |
| Plow, Sulky | E. S. Daniel | 215, 268 | May 13, 1879 | 347 | 101 | 15 | 749 |
| Plow, Sulky | D. O. Fosgate | 211, 724 | Jan. 28, 1879 | 772 | 217 | 15 | 105 |
| Plow, Sulky | M. J. Freeman | 211, 626 | Jan. 28, 1879 | 658 | 185 | 15 | 90 |
| Plow, Sulky | A. H. Gale | 219, 709 | Sept. 16, 1879 | 751 | 208 | 16 | 525 |
| Plow, Sulky | I. R. Gilbert | 215, 346 | May 13, 1879 | 435 | 129, 130 | 15 | 761 |
| Plow, Sulky | I. R. Gilbert | 218, 516 | Aug. 12, 1879 | 478 | 133, 134 | 16 | 295 |
| Plow, Sulky | T. T. Harrison | 218, 734 | Aug. 19, 1879 | 725 | 206, 207 | 16 | 338 |
| Plow, Sulky | F. B. Hunt | 211, 662 | Jan. 28, 1879 | 702 | 197 | 15 | 97 |
| Plow, Sulky | T. E. Jefferson | 214, 396 | Apr. 15, 1879 | 802 | 225 | 15 | 591 |
| Plow, Sulky | T. E. Jefferson | 215, 929 | May 27, 1879 | 1098 | 319 | 15 | 865 |
| Plow, Sulky | T. E. Jefferson | 216, 415 | June 10, 1879 | 465 | 133, 134 | 15 | 950 |
| Plow, Sulky | W. J. Meharry | 220, 633 | Oct. 14, 1879 | 489 | 128 | 16 | 708 |
| Plow, Sulky | J. H. Moore | 217, 893 | July 29, 1879 | 1111 | 319 | 16 | 184 |
| Plow, Sulky | A. K. Munson | 221, 597 | Nov. 11, 1879 | 534 | 147 | 16 | 895 |
| Plow, Sulky | E. W. Newton | 216, 442 | June 10, 1879 | 500 | 142 | 15 | 956 |
| Plow, Sulky | J. M. Payne | 214, 440 | Apr. 15, 1879 | 846 | 237, 238 | 15 | 597 |
| Plow, Sulky | J. Price | 211, 425 | Jan. 14, 1879 | 413 | 117 | 15 | 53 |
| Plow, Sulky | C. F. Search | 212, 750 | Feb. 25, 1879 | 1081 | 300 | 15 | 281 |
| Plow, Sulky | H. C. Stuart | 223, 186 | Dec. 30, 1879 | 1246 | 353 | 16 | 1222 |
| Plow, Sulky | L. M. Summers and M. Wilson | 219, 997 | Sept. 23, 1879 | 1075 | 298 | 16 | 579 |
| Plow, Sulky | J. and A. T. Warwick | 213, 717 | Mar. 25, 1879 | 1074 | 305 | 15 | 460 |
| Plow, Sulky | J. R. Whitney | 212, 341 | Feb. 18, 1879 | 607 | 170 | 15 | 209 |
| Plow, Sulky gang | O. Barr | 211, 372 | Jan. 14, 1879 | 352 | 102 | 15 | 46 |
| Plow, Swivel | J. Nourse and J. A. Howe | 216, 443 | June 10, 1879 | 502 | 143 | 15 | 956 |
| Plow, Wheel | A. D. Blanchard | 211, 958 | Feb. 4, 1879 | 158 | 45 | 15 | 147 |
| Plow, Wheel | G. Kimball | 212, 234 | Feb. 11, 1879 | 474 | 131 | 15 | 189 |
| Plow, Wheel | W. Newlin | 220, 643 | Oct. 14, 1879 | 499 | 131 | 16 | 710 |
| Plow, Wheel | T. L. Riney | 222, 534 | Dec. 9, 1879 | 478 | 135 | 16 | 1083 |
| Plow, Wheel | A. C. Rosencranz | 220, 426 | Oct. 7, 1879 | 238 | 64 | 16 | 668 |
| Plow-wheel standard | W. H. Wilder | 212, 076 | Feb. 4, 1879 | 290 | 79 | 15 | 161 |
| Plows, Combined implement for setting the points and sharpening the shares of. | J. D. and C. W. Kennedy | 213, 664 | Mar. 25, 1879 | 1023 | 290 | 15 | 453 |
| Plows, Harrow attachment for corn | G. W. and G. L. Howell | 222, 275 | Dec. 2, 1879 | 179 | 47 | 16 | 1033 |
| Plows or harrows, Farm-truck or draft attachment for. | M. Harris | 215, 918 | May 27, 1879 | 1088 | 316 | 15 | 864 |
| Plows, Seeding and fertilizing attachment for | G. C. Beal | 221, 498 | Nov. 11, 1879 | 424 | 115 | 16 | 879 |
| Plug, Safety | F. Lunkenheimer | 213, 292 | Mar. 18, 1879 | 626 | 176 | 15 | 393 |
| Plumber's trap | J. K. Miller | 216, 288 | June 10, 1879 | 320 | 95 | 15 | 932 |
| Plunger for drawing tubular articles | J. S. Palmer | 211, 342 | Jan. 14, 1879 | 321 | 95 | 15 | 42 |
| Pneumatic elevator | J. L. Agnew | 218, 209 | Aug. 5, 1879 | 119 | 32 | 16 | 236 |
| Pneumatic elevator and conveyer | E. J. Hatch | 222, 900 | Dec. 23, 1879 | 919 | 264 | 16 | 1167 |
| Pneumatic motor | G. H. Reynolds and H. Haupt | 222, 950 | Dec. 23, 1879 | 976 | 280 | 16 | 1175 |
| Pocket-book | W. E. Beames | 219, 564 | Sept. 16, 1879 | 582 | 163 | 16 | 503 |
| Pocket-book | H. L. Hopkins | 214, 823 | Apr. 29, 1879 | 1304 | 364 | 15 | 671 |
| Pocket-book | J. G. Klett | 212, 711 | Feb. 25, 1879 | 1041 | 289 | 15 | 276 |
| Pocket-book | C. C. Kohlmann | 212, 609 | Feb. 25, 1879 | 942 | 261 | 15 | 262 |
| Pocket-book, &c., fastening | J. C. Arms | 217, 315 | July 8, 1879 | 434 | 128 | 16 | 67 |
| Pocket-book fastening | J. M. Riley | 212, 624 | Feb. 25, 1879 | 959 | 265 | 15 | 264 |
| Pocket-book lock | F. F. Weiss | 221, 377 | Nov. 4, 1879 | 266 | 72 | 16 | 849 |
| Pocket-book recording device | H. C. Baker | 218, 470 | Aug. 12, 1879 | 428 | 119 | 16 | 288 |
| Pocket-books, satchels, &c., Fastening for | E. Schnopp | 212, 270 | Feb. 11, 1879 | 513 | 143 | 15 | 194 |
| Pocket-books, satchels, &c., Handle for | L. Messer and C. W. Jenks | 215, 650 | May 20, 1879 | 787 | 230 | 15 | 817 |
| Pocket-cup | L. Hailer | 211, 568 | Jan. 21, 1879 | 576 | 163 | 15 | 77 |
| Pocket-flask and drinking-cup, Combined | F. Knoblauch | 217, 695 | July 22, 1879 | 887 | 253 | 16 | 147 |
| Pocket-knife | C. L. Butler | 220, 699 | Oct. 21, 1879 | 572 | 153 | 16 | 728 |
| Pocket-knife | H. S. and R. S. Landis | 221, 467 | Nov. 11, 1879 | 387 | 106 | 16 | 874 |
| Pocket-knife | H. E. Linton | 218, 989 | Aug. 26, 1879 | 1040 | 293 | 16 | 391 |
| Pocket, Safety | J. Colton | 221, 283 | Nov. 4, 1879 | 157 | 42 | 16 | 834 |
| Pocket, Safety | J. M. Hunter | 217, 222 | July 8, 1879 | 341 | 101 | 16 | 55 |
| Pocket, Safety | L. Jakubowski | 221, 920 | Nov. 25, 1879 | 927 | 259 | 16 | 966 |
| Poison-distributer | T. B. Taylor | 214, 205 | Apr. 8, 1879 | 551 | 157 | 15 | 550 |
| Poison upon vegetation, Machine for sprinkling liquid. | F. L. Marsh | 222, 831 | Dec. 23, 1879 | 840 | 240 | 16 | 1155 |
| Poke and hobble, Animal | D. K. Hawley | 211, 402 | Jan. 14, 1879 | 385 | 110 | 15 | 50 |
| Poke, Animal | W. C. Grubb | 217, 367 | July 8, 1879 | 495 | 143 | 16 | 75 |
| Poke, Animal | G. E. W. Herbert | 222, 903 | Dec. 23, 1879 | 924 | 266 | 16 | 1168 |
| Poke, Animal | W. H. Kretsinger | 213, 432 | Mar. 18, 1879 | 762 | 215 | 15 | 412 |
| Poke, Animal | W. Montgomery | 219, 969 | Sept. 23, 1879 | 1047 | 290 | 16 | 575 |
| Poke, Animal | P. E. Rudel | 219, 654 | Sept. 16, 1879 | 691 | 192 | 16 | 517 |
| Pole attachment for vehicles | J. L. Dykes | 214, 897 | Apr. 29, 1879 | 1382 | 385 | 15 | 681 |
| Pole for wagons and sleighs | J. Sherer | 218, 070 | July 29, 1879 | 1301 | 372 | 16 | 208 |
| Polisher, Tumbling | J. W. Hyatt | 215, 751 | May 27, 1879 | 895 | 262 | 15 | 840 |
| Polishing apparatus | E. Ford | 218, 433 | Aug. 12, 1879 | 378 | 104 | 16 | 282 |
| Polishing-iron | H. J. Welch | 222, 849 | Dec. 23, 1879 | 864 | 249 | 16 | 1158 |
| Polishing-machine | I. L. Cox and A. J. Whitney | 219, 693 | Sept. 16, 1879 | 735 | 203 | 16 | 523 |
| Polishing-machine | L. A. Sanford | 216, 763 | June 24, 1879 | 871 | 247, 248 | 15 | 1023 |
| Polishing-machine | J. Stever | 222, 325 | Dec. 2, 1879 | 232 | 62, 63 | 16 | 1041 |
| Polishing-powder from coal-ashes, Utensil for the manufacture of. | B. F. Hughson | 218, 533 | Aug. 12, 1879 | 496 | 139 | 16 | 298 |
| Polishing varnished surfaces, Machine for | H. S. Bartholomew | 212, 833 | Mar. 4, 1879 | 61 | 19 | 15 | 305 |

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|---|---|---|---|---|---|---|---|
| Porcelain, Box and cover for firing decorated | E. M. Ford | 215, 815 | May 27, 1879 | 973 | 284 | 15 | 850 |
| Portable bath | W. McClure | 213, 340 | Mar. 18, 1879 | 677 | 190 | 15 | 400 |
| Portable bath-closet | M. J. Dexter | 222, 026 | Nov. 25, 1879 | 1041 | 292 | 16 | 981 |
| Portable bathing-closet | L. W. Fiske | 219, 811 | Sept. 23, 1879 | 881 | 242 | 16 | 552 |
| Portable boiler | T. McBride | 218, 547 | Aug. 12, 1879 | 512 | 143 | 16 | 300 |
| Portable engine | J. Allonas | 221, 265 | Nov. 4, 1879 | 138 | 37, 38 | 16 | 832 |
| Portable engine | J. Allonas | 221, 266 | Nov. 4, 1879 | 139 | 38 | 16 | 832 |
| Portable engine | R. P. Gordon | 219, 250 | Sept. 2, 1879 | 225 | 65 | 16 | 441 |
| Portable engine-boiler | H. W. Rice | 219, 523 | Sept. 9, 1879 | 532 | 148 | 16 | 488 |
| Portable folding boat | J. D. Conghtry | 218, 716 | Aug. 19, 1879 | 709 | 202 | 16 | 336 |
| Portable furnace | A. B. Dembrun | 222, 676 | Dec. 16, 1879 | 666 | 191 | 16 | 1120 |
| Portable furnace and swine-scalder | J. Gardiner | 219, 933 | Sept. 23, 1879 | 1007 | 280 | 16 | 570 |
| Portable press, Botanist's | C. G. Fairchild | 215, 216 | May 13, 1879 | 286 | 84 | 15 | 741 |
| Portfolio | C. J. Stromberg | 212, 762 | Feb. 25, 1879 | 1098 | 304 | 15 | 284 |
| Portfolio and writing-tablet, Combined | J. F. Dubber | 219, 451 | Sept. 9, 1879 | 459 | 128 | 16 | 478 |
| Post: *See* Fence-post. Newel-post. Hitching-post. | | | | | | | |
| Post-driver | W. A. Newton | 215, 832 | May 27, 1879 | 993 | 289, 290 | 15 | 852 |
| Post-hole digger | H. K. Needham | 220, 251 | Oct. 7, 1879 | 47 | 12 | 16 | 641 |
| Post-office box | J. Schall | 212, 749 | Feb. 25, 1879 | 1080 | 300 | 15 | 281 |
| Post-office-box front | C. J. Clements | 217, 000 | July 1, 1879 | 77 | 23 | 16 | 12 |
| Post-office cabinet | S. Hower | 215, 621 | May 20, 1879 | 757 | 221 | 15 | 813 |
| Postmarking and canceling machine | T. Leavitt | 219, 586 | Sept. 16, 1879 | 603 | 168, 169 | 16 | 505 |
| Postmarking and canceling machine | T. Leavitt | 219, 587 | Sept. 16, 1879 | 606 | 169 | 16 | 506 |
| Pot: *See* Coffee-pot. Tea-pot. Glue-pot. Tea and coffee pot. Heating-pot. Tinner's fire-pot. | | | | | | | |
| Pot-cover | W. Hall, jr. | 221, 057 | Oct. 28, 1879 | 1004 | 267 | 16 | 793 |
| Potash and soda, Manufacture of chromates of | C. S. Gorman | 219, 637 | Sept. 16, 1879 | 671 | ..... | 16 | 515 |
| Potash from ashes, Separating | J. and R. H. Woodrum | 216, 483 | June 10, 1879 | 539 | ..... | 15 | 961 |
| Potassa, Manufacture of bitartrate of | E. Muller | 217, 235 | July 8, 1879 | 356 | .... | 16 | 57 |
| Potassium, Apparatus for the manufacture of ferrocyanide of. | H. Bower | 222, 175 | Dec. 2, 1879 | 66 | 16 | 16 | 1018 |
| Potato cutter and dropper | T. Labree | 218, 281 | Aug. 5, 1879 | 196 | 53 | 16 | 247 |
| Potato-digger | C. F. Benz | 216, 822 | June 24, 1879 | 939 | 267, 268 | 15 | 1032 |
| Potato-digger | R. W. Gates | 215, 115 | May 6, 1879 | 156 | 44 | 15 | 721 |
| Potato-digger | C. A. King | 223, 147 | Dec. 30, 1879 | 1209 | 342 | 16 | 1217 |
| Potato-digger | B. B. Lang | 217, 622 | July 15, 1879 | 785 | 223 | 16 | 124 |
| Potato-digger | D. Smith | 220, 096 | Sept. 30, 1879 | 1211 | 333 | 16 | 606 |
| Potato-digger | J. B. Taylor | 223, 189 | Dec. 30, 1879 | 1248 | 354 | 16 | 1222 |
| Potato-digger | P. A. Wise | 211, 450 | Jan. 14, 1879 | 441 | 124 | 15 | 57 |
| Potato digger and hiller, Combined | C. Oehrlein | 211, 476 | Jan. 21, 1879 | 470 | 133 | 15 | 63 |
| Potato-digging machine | M. Nevinger and R. Seldon | 222, 199 | Dec. 2, 1879 | 93 | 23 | 16 | 1021 |
| Pottery pipes, Formation and bending of | W. B. Hyde | 220, 536 | Oct. 14, 1879 | 375 | 97 | 16 | 694 |
| Pounder | L. C. White and G. M. Walton | 211, 820 | Jan. 28, 1879 | 880 | 248 | 15 | 120 |
| Powder: *See* Blasting-powder. Ink-powder. | | | | | | | |
| Powder, Case for preserving and transporting | E. Ritter | 217, 959 | July 29, 1879 | 1183 | 339 | 16 | 193 |
| Power: *See* Animal-power. Horse-power. Churn-power. Lever-power. Dog-power. Mechanical power. Hand-power. | | | | | | | |
| Power, Device for transmitting | D. Abrey | 220, 560 | Oct. 14, 1879 | 409 | 106 | 16 | 698 |
| Power, Machine for transmitting | E. H. Drake | 214, 375 | Apr. 15, 1879 | 779 | 219 | 15 | 588 |
| Preserving and condensing fresh food | C. Morfit | 213, 679 | Mar. 25, 1879 | 1039 | ..... | 15 | 456 |
| Preserving compound | H. Jannasch | 214, 414 | June 10, 1879 | 464 | ..... | 15 | 950 |
| Preserving organic bodies, Compound for | J. Wickersheimer | 220, 103 | Sept. 30, 1879 | 1218 | ..... | 16 | 607 |
| Press: *See* Axle-box press. Harness-loop press. Bailing-press. Hay-press. Cellular press. Hay and cotton press. Chair-seat press. Hop-press. Cheese-press. Hydraulic press. Cider-press. Hydrostatic press. Cigar-mold press. Photographic embossing-press. Clay-press. Coin-press. Portable press. Copying-press. Printing-press. Cotton-press. Punching-press. Cotton and hay press. Screw-press. Tincture-press. Filter-press. Tobacco-press. Gilder's press. Wool-press. | | | | | | | |
| Press for expressing liquids from substances | H. M. Hartshorn | 218, 879 | Aug. 26, 1879 | 825 | 259 | 16 | 375 |
| Press for extracting oil from seed, &c | J. C. Tiffany | 214, 207 | Apr. 8, 1879 | 553 | 157, 158 | 15 | 550 |
| Pressing and molding plastic material, Machine for | B. R. Rapp | 217, 405 | July 8, 1879 | 533 | 153 | 16 | 79 |
| Pressing-iron | E. A. Russell | 222, 741 | Dec. 16, 1879 | 729 | 209 | 16 | 1129 |
| Pressing-machine and sheet-tie | J. W. Jones | 212, 947 | Mar. 4, 1879 | 205 | 58 | 15 | 323 |
| Pressure accumulator, Hydraulic | T. Shaw | 214, 716 | Apr. 22, 1879 | 1166 | 328 | 15 | 645 |
| Pressure-gage | R. C. Blake | 211, 317 | Jan. 14, 1879 | 294 | 87 | 15 | 39 |
| Pressure-gage | J. Kayser | 219, 735 | Sept. 16, 1879 | 777 | 214 | 16 | 529 |
| Pressure generator, Hydrocarbon | H. H. Eames | 222, 027 | Nov. 25, 1879 | 1041 | 292 | 16 | 981 |
| Pressure-indicator, Electrical | T. Shaw | 223, 068 | Dec. 30, 1879 | 1118 | 317 | 16 | 1204 |
| Pressure-regulator | W. D. Dickey | 219, 625 | Sept. 16, 1879 | 656 | 183 | 16 | 513 |
| Pressure-regulator | J. E. Watts | 217, 307 | July 8, 1879 | 426 | 126 | 16 | 66 |
| Pressure-regulator | M. G. Wilder | 220, 202 | Sept. 30, 1879 | 1328 | 367 | 16 | 622 |
| Pressure regulator and indicator | F. W. Wiesobrock | 221, 885 | Nov. 18, 1879 | 866 | 242 | 16 | 948 |
| Pressure regulator, Fluid | G. Ross | 219, 114 | Sept. 2, 1879 | 61 | 20 | 16 | 420 |

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|---|---|---|---|---|---|---|---|
| Pressure regulator, Fluid | J. B. West | 215,496 | May 20, 1879 | 615 | 180 | 15 | 794 |
| Pressure regulator, Steam | C. C. Schmidt | 219,178 | Sept. 2, 1879 | 131 | 40 | 16 | 429 |
| Printed fabrics, Apparatus for steaming | J. Smith | 215,173 | May 6, 1879 | 217 | 63, 64 | 15 | 729 |
| Printer's composing-stick | W. H. Price | 218,572 | Aug. 12, 1879 | 537 | 151 | 16 | 304 |
| Printer's composing-stick | C. D. Reppy | 220,942 | Oct. 28, 1879 | 861 | 231 | 16 | 775 |
| Printer's galley | T. T. McNish | 214,832 | Apr. 29, 1879 | 1311 | 366 | 15 | 672 |
| Printer's galley | T. T. McNish | 216,689 | June 17, 1879 | 771 | 220 | 15 | 1001 |
| Printer's galley | T. T. McNish | 217,132 | July 1, 1879 | 229 | 66 | 16 | 32 |
| Printer's inking-roller | R. Lanham | 219,102 | Sept. 2, 1879 | 50 | 16 | 16 | 419 |
| Printer's inking-rollers, Composition for | E. T. Marler | 218,041 | July 29, 1879 | 1274 | ..... | 16 | 294 |
| Printer's quoin | R. F. Gillin | 212,683 | Feb. 25, 1879 | 1012 | 281 | 15 | 272 |
| Printer's quoin | E. L. Torsch and J. R. Lee | 223,192 | Dec. 30, 1879 | 1252 | 355 | 16 | 1223 |
| Printer's roller | T. M. Fisher | 212,367 | Feb. 18, 1879 | 634 | ..... | 15 | 213 |
| Printer's roller | R. Lanham | 216,964 | July 1, 1879 | 42 | 14 | 16 | 8 |
| Printer's rollers, Receptacle for | J. Glastaeter | 216,085 | June 3, 1879 | 86 | 25 | 15 | 896 |
| Printing and folding machine | C. Chambers, jr., and W. Mendham | 222,455 | Dec. 9, 1879 | 380 | 107, 108, 109, 110 | 16 | 1079 |
| Printing and folding machine | W. Scott | 221,704 | Nov. 18, 1879 | 654 | 183, 184 | 16 | 920 |
| Printing and other machinery, Stopping and reversing mechanism for. | W. Scott | 222,159 | Dec. 2, 1879 | 47 | 12 | 16 | 1015 |
| Printing and recording device, Ticket | B. C. Pole | 220,306 | Oct. 7, 1879 | 108 | 29 | 16 | 649 |
| Printing, Autographic | W. T. Howard | 215,926 | May 27, 1879 | 1095 | ..... | 15 | 865 |
| Printing, Chromatic | J. Carson | 221,215 | Nov. 4, 1879 | 80 | 21 | 16 | 823 |
| Printing-film | B. Day | 214,493 | Apr. 22, 1879 | 915 | 258 | 15 | 614 |
| Printing-machine | E. Anthony and W. W. Taylor | 212,880 | Mar. 4, 1879 | 115 | 34, 35, 36 | 15 | 313 |
| Printing-machine | H. G. Canfield | 219,068 | Sept. 2, 1879 | 12 | 4 | 16 | 414 |
| Printing-machine | L. C. Crowell | 212,444 | Feb. 18, 1879 | 728 | 201, 202 | 15 | 226 |
| Printing-machine | S. D. Tucker | 212,766 | Feb. 25, 1879 | 1101 | 306 | 15 | 284 |
| Printing machine, Box | P. B. H. Smith | 222,320 | Dec. 2, 1879 | 226 | 60 | 16 | 1040 |
| Printing machine, Calico | F. Baylies, G. P. and J. M. Slade | 221,388 | Nov. 11, 1879 | 294 | 80, 81 | 16 | 861 |
| Printing machine, Card | I. Robbins | 222,310 | Dec. 2, 1879 | 215 | 57 | 16 | 1038 |
| Printing machine, Chromatic | J. McNaught | 222,069 | Nov. 25, 1879 | 1091 | 306 | 16 | 988 |
| Printing machine, Color | G. W. Woodside | 213,725 | Mar. 25, 1879 | 1083 | 307, 308 | 15 | 462 |
| Printing-machine, Cylinder | H. B. Denny | 213,098 | Mar. 11, 1879 | 401 | 111 | 15 | 356 |
| Printing-machine delivery apparatus | J. T. Hawkins | 221,458 | Nov. 11, 1879 | 369 | 101 | 16 | 872 |
| Printing machine, Die and plate | E. Hewitt | 221,461 | Nov. 11, 1879 | 373 | 102, 103 | 16 | 873 |
| Printing-machine for paper-hangings | J. J. Janeway | 217,735 | July 22, 1879 | 929 | 266 | 16 | 153 |
| Printing-machine inking apparatus | J. H. Cranston | 220,581 | Oct. 14, 1879 | 437 | 112, 113 | 16 | 701 |
| Printing machine, Lithographic | J. Krayer | 216,193 | June 3, 1879 | 193 | 57 | 15 | 909 |
| Printing-machine, Oscillating | G. W. Prouty | 216,890 | June 24, 1879 | 1010 | 287, 288 | 15 | 1041 |
| Printing machine, Plate | A. Hamilton | 216,397 | June 10, 1879 | 446 | 127 | 15 | 948 |
| Printing machine, Plate | E. Hewitt | 216,273 | June 10, 1879 | 300 | 88 | 15 | 930 |
| Printing machine, Plate | T. C. Kenworthy and G. W. Clark | 216,681 | June 17, 1879 | 759 | 216, 217 | 15 | 999 |
| Printing-machine, Reciprocating | J. T. Hawkins | 221,459 | Nov. 11, 1879 | 371 | 102 | 16 | 872 |
| Printing-machine sheet-delivery apparatus | L. C. Crowell | 217,071 | July 1, 1879 | 161 | 47, 48 | 16 | 23 |
| Printing-machine sheet-delivering apparatus | W. Scott | 221,703 | Nov. 18, 1879 | 652 | 183 | 16 | 920 |
| Printing-machine sheet-delivering apparatus | S. D. Tucker | 213,066 | Apr. 8, 1879 | 394 | 111, 112, 113 | 15 | 530 |
| Printing-machine sheet-delivering apparatus | S. D. Tucker | 213,067 | Apr. 8, 1879 | 400 | 113, 114, 115 | 15 | 531 |
| Printing-machine sheet-delivering apparatus | S. D. Tucker | 214,068 | Apr. 8, 1879 | 409 | 115, 116 | 15 | 532 |
| Printing-machine sheet-delivering apparatus | S. D. Tucker | 215,844 | May 27, 1879 | 1008 | 293, 294 | 15 | 854 |
| Printing-machine sheet-reversing apparatus | S. D. Tucker | 214,065 | Apr. 8, 1879 | 389 | 109, 110, 111 | 15 | 530 |
| Printing machine, Yarn | E. Crossley, M. Morley, and J. Thomas. | 219,623 | Sept. 16, 1879 | 652 | 181, 182 | 16 | 512 |
| Printing-machines, Bunter mechanism for | J. H. Cranston | 217,069 | July 1, 1879 | 159 | 46 | 16 | 23 |
| Printing on fabrics | W. Rumney | 220,428 | Oct. 7, 1879 | 240 | 64 | 16 | 668 |
| Printing on metal, Surface for | J. M. Ronemous | 220,549 | Oct. 14, 1879 | 393 | 102 | 16 | 695 |
| Printing paper bags, Machine for | A. C. Getten | 221,546 | Nov. 11, 1879 | 480 | 131 | 16 | 887 |
| Printing, Photo-chemical | W. Willis, jr | 213,484 | Mar. 18, 1879 | 811 | ..... | 15 | 418 |
| Printing, Photo-mechanical | L. G. Bigelow | 217,981 | July 29, 1879 | 1202 | ..... | 16 | 195 |
| Printing, Photo-mechanical | T. C. Roche | 218,137 | Aug. 5, 1879 | 34 | ..... | 16 | 225 |
| Printing-press | C. B. Cottrell | 212,196 | Feb. 11, 1879 | 438 | 120 | 15 | 184 |
| Printing-press | E. L. Gilman | 212,922 | Mar. 4, 1879 | 180 | 49 | 15 | 319 |
| Printing-press | A. Godfrey | 212,797 | Mar. 4, 1879 | 19 | 6, 7 | 15 | 299 |
| Printing-press | J. M. Jones | 215,459 | May 20, 1879 | 572 | 168 | 15 | 789 |
| Printing-press | R. J. Stuart | 213,535 | Mar. 25, 1879 | 875 | 249, 250, 251 | 15 | 435 |
| Printing-press, Cylinder | J. L. Cox | 218,493 | Aug. 12, 1879 | 451 | 125, 126 | 16 | 291 |
| Printing-press feed-box | F. C. Weir | 214,797 | Apr. 29, 1879 | 1274 | 356 | 15 | 667 |
| Printing-press feed-gage | H. Marshall and R. E. Sparrell | 223,055 | Dec. 30, 1879 | 1100 | 313 | 16 | 1202 |
| Printing-press, Oscillating | G. W. Hunt | 213,658 | Mar. 25, 1879 | 1014 | 288, 289 | 15 | 452 |
| Printing-press, Oscillating | H. A. Manley | 215,011 | May 6, 1879 | 32 | 11 | 15 | 707 |
| Printing-press paper-piler | O. Wakefield | 217,177 | July 1, 1879 | 274 | 81 | 16 | 38 |

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|---|---|---|---|---|---|---|---|
| Printing-press sheet-delivering apparatus | S. D. Tucker | 213,793 | Apr. 1, 1879 | 68 | 21, 22 | 15 | 481 |
| Printing-presses, Device for securing forms on beds of. | J. D. Lucas | 218,039 | July 29, 1879 | 1272 | 363 | 16 | 204 |
| Printing-presses, Locking-up device for | W. Ritchie | 211,258 | Jan. 7, 1879 | 195 | 57 | 15 | 25 |
| Printing, Stencil-frame for autographic | E. De Zuccato | 219,665 | Sept. 16, 1879 | 705 | 195 | 16 | 519 |
| Printing-surfaces, Embossing metal for | A. C. and G. R. Carey | 215,792 | May 27, 1879 | 945 | 277 | 15 | 846 |
| Printing upon and sizing paper, &c., Appliance for | H. M. French | 218,120 | Aug. 5, 1879 | 15 | 5 | 16 | 223 |
| Prison-lock | L. M. Ham | 214,251 | Apr. 15, 1879 | 624 | 176 | 15 | 568 |
| Privy and other vaults | A. W. J. Mason | 220,298 | Oct. 7, 1879 | '99 | 26 | 16 | 648 |
| Privy-seat | J. J. Gorman | 223,131 | Dec. 30, 1879 | 1191 | 337 | 16 | 1215 |
| Privy-seat | E. R. Parks | 219,976 | Sept. 23, 1879 | 1055 | 292 | 16 | 576 |
| Projectile | L. A. Merriam | 215,015 | May 6, 1879 | 38 | 11 | 15 | 707 |
| Projectile | I. L. G. Rice | 216,974 | July 1, 1879 | 53 | 17 | 16 | 9 |
| Projectile | A. L. Varney | 217,756 | July 22, 1879 | 946 | 272 | 16 | 155 |
| Projectile for rifled guns | H. Reilly | 214,843 | Apr. 29, 1879 | 1326 | 370 | 15 | 674 |
| Projectile for small-arms | H. J. Nowlan | 221,249 | Nov. 4, 1879 | 120 | 32 | 16 | 829 |
| Propeller, Chain | T. L. Lee | 216,871 | June 24, 1879 | 994 | 282 | 15 | 1038 |
| Propeller, Enameled screw | H. Nelson | 216,880 | June 24, 1879 | 1001 | 284 | 15 | 1039 |
| Propeller for boats, Chain | M. H. Hall | 213,652 | Mar. 25, 1879 | 1007 | 287 | 15 | 452 |
| Propeller, Hydraulic | B. B. Brewer and B. B. Ward | 216,140 | June 3, 1879 | 139 | 41 | 15 | 903 |
| Propeller pump, Single | G. Norton | 215,474 | May 20, 1879 | 590 | 173 | 15 | 791 |
| Propeller, Screw | E. A. Heath | 218,438 | Aug. 12, 1879 | 384 | 105 | 16 | 263 |
| Propeller, Screw | J. Von Binzer and E. Bentzen | 216,136 | June 3, 1879 | 134 | 40 | 15 | 902 |
| Propeller, Screw | J. B. Ward | 216,244 | June 3, 1879 | 245 | 73 | 15 | 916 |
| Propeller, Vessel | J. W. Brown | 214,616 | Apr. 22, 1879 | 1061 | 298 | 15 | 632 |
| Propeller, Vessel | G. Vincent | 219,837 | Sept. 23, 1879 | 905 | 249 | 16 | 555 |
| Propeller, Vibrating | J. W. Brown | 215,432 | May 20, 1879 | 536 | 158 | 15 | 784 |
| Propeller, Vibrating | J. L. Nevers | 218,766 | Aug. 19, 1879 | 762 | 216 | 16 | 343 |
| Propellers, Raising and lowering | J. W. Dilks | 216,559 | June 17, 1879 | 630 | 178 | 15 | 981 |
| Propelling apparatus, Vessel | A. E. Taugen | 216,470 | June 10, 1879 | 527 | 151 | 15 | 959 |
| Propelling canal-boats | R. Werner | 212,638 | Feb. 25, 1879 | 972 | 269 | 15 | 266 |
| Propelling device for vessels | D. Gough | 216,175 | June 3, 1879 | 176 | 52 | 15 | 907 |
| Propulsion of vessels, Pneumatic | B. T. Babbitt | 219,896 | Sept. 23, 1879 | 963 | 266 | 16 | 563 |
| Propulsion of vessels, Pneumatic | R. H. Tucker | 215,842 | May 27, 1879 | 1005 | 292 | 15 | 853 |
| Protector: *See* Beer and liquor protector. Book-cover protector. Broom-protector. Can-protector. Collar-protector. Cotton-sack protector. Grave-protector. Hand-protector. Heel protector. Horse-tail protector. Knee-protector. Plant-protector. Sheep-protector. Shirt-protector. Sock-protector. Stamp-protector. Stocking-knee protector. Strap-protector. Tree-protector. Tube-thread protector. | | | | | | | |
| Pruning and grafting implement | C. M. Kingsbury | 219,403 | Sept. 9, 1879 | 409 | 114 | 16 | 472 |
| Pruning implement | I. N. Babbitt, jr | 215,312 | May 13, 1879 | 405 | 120 | 15 | 757 |
| Pruning implement | D. Booker | 221,769 | Nov. 18, 1879 | 728 | 203 | 16 | 930 |
| Pruning implement | J. W. Cogswell | 222,384 | Dec. 9, 1879 | 305 | 85 | 16 | 1061 |
| Pruning implement | C. Cole and F. L. French | 222,244 | Dec. 2, 1879 | 148 | 38 | 16 | 1029 |
| Pruning implement | P. H. Fellows | 212,137 | Feb. 11, 1879 | 370 | 100 | 15 | 175 |
| Pruning implement | A. J. Lytle | 216,571 | June 17, 1879 | 645 | 183 | 15 | 984 |
| Pruning-machine for vines and plants | L. Thompson | 218,795 | Aug. 19, 1879 | 793 | 225 | 16 | 348 |
| Pruning-shears | G. J. Cline | 218,233 | Aug. 5, 1879 | 143 | 39 | 16 | 239 |
| Puddling and heating furnace | R. S. Casson | 219,907 | Sept. 23, 1879 | 975 | 270, 271 | 16 | 565 |
| Puddling-furnace | I. Beanland | 215,863 | May 27, 1879 | 1031 | 301 | 15 | 857 |
| Puddling-furnace | J. Lukens | 219,282 | Sept. 2, 1879 | 258 | 73 | 16 | 444 |
| Puddling-furnace, Revolving | T. R. Crampton | 222,461 | Dec. 9, 1879 | 396 | 113, 114 | 16 | 1072 |
| Puddling-furnace, Rotary | H. E. A. Schneider | 215,401 | May 13, 1879 | 486 | 144, 145 | 15 | 768 |
| Puddling-furnace, Rotary | W. Swindell | 219,604 | Sept. 16, 1879 | 627 | 175 | 16 | 509 |
| Puddling gas-furnace, Revolving | S. Godfrey and R. Howson | 213,330 | Mar. 18, 1879 | 667 | 188 | 15 | 395 |
| Puddling-vessels, Cooling circulation about rotating. | W. and G. H. Sellers | 222,314 | Dec. 2, 1879 | 218 | 58 | 16 | 1039 |
| Puller: *See* Bean-puller. Grub-puller. Root and stump puller. Strap-puller. Stump-puller. | | | | | | | |
| Pulley | F. Brown | 219,207 | Sept. 2, 1879 | 161 | 49 | 16 | 433 |
| Pulley | W. Brown | 216,079 | June 3, 1879 | 80 | 23 | 15 | 895 |
| Pulley | J. Mackie | 217,128 | July 1, 1879 | 226 | 65 | 16 | 31 |
| Pulley and worm-gear apparatus, Hoisting | A. Box | 218,223 | Aug. 5, 1879 | 132 | 36 | 16 | 238 |
| Pulley apparatus, Hoisting | E. Harrington | 220,144 | Sept. 30, 1879 | 1260 | 346 | 16 | 613 |
| Pulley, Belt | P. Medart | 216,095 | June 3, 1879 | 94 | 27 | 15 | 897 |
| Pulley-block | H. Lond | 214,931 | Apr. 29, 1879 | 1416 | 393 | 15 | 685 |
| Pulley-block | J. L. Reed | 220,548 | Oct. 14, 1879 | 391 | 102 | 16 | 695 |
| Pulley-block attachment | J. C. Newcomb | 221,697 | Nov. 18, 1879 | 646 | 181 | 16 | 919 |
| Pulley-block sheave | W. H. McMillan | 217,393 | July 8, 1879 | 518 | 156 | 16 | 78 |
| Pulley, Carrier | C. C. Klein | 218,886 | Aug. 26, 1879 | 934 | 262 | 16 | 377 |
| Pulley, Clutch | J. Stone | 219,995 | Sept. 23, 1879 | 1074 | 298 | 16 | 579 |
| Pulley, clutch, and brake, Combined | J. Repetti | 218,063 | July 29, 1879 | 1294 | 370 | 16 | 207 |
| Pulley-covering | J. J. Adgate | 217,038 | July 1, 1879 | 123 | 36 | 16 | 18 |
| Pulley-crane for clothes-lines | T. A. Raisbeck and J. H. Green | 218,773 | Aug. 19, 1879 | 770 | 218 | 16 | 344 |
| Pulley, Expanding | D. Thomas, T. Taylor, and T. H. Burridge. | 211,356 | Jan. 14, 1879 | 336 | 98 | 15 | 44 |
| Pulley, Expansion | S. Serighelli | 211,937 | Feb. 4, 1879 | 131 | 38 | 15 | 143 |
| Pulley-fastener | E. W. Blackhall | 220,215 | Oct. 7, 1879 | 4 | 1 | 16 | 635 |
| Pulley, Loose | M. B. Webster | 215,188 | May 6, 1879 | 229 | 68 | 15 | 731 |
| Pulley-sheave | F. B. Torrey | 221,879 | Nov. 18, 1879 | 860 | 241 | 16 | 948 |
| Pulleys to shafts, Device for attaching | J. H. La Ment | 211,411 | Jan. 14, 1879 | 393 | 112 | 15 | 51 |
| Pulmonic fountain | C. S. Lockwood | 212,856 | Mar. 4, 1879 | 86 | 25 | 15 | 309 |
| Pulp, Making wood | C. B. Carter | 215,880 | May 27, 1879 | 1048 | ..... | 15 | 859 |
| Pulp, Making wood | C. B. Carter | 219,566 | Sept. 16, 1879 | 584 | ..... | 16 | 503 |

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| Pulp, Making wood | C. B. Carter | 219, 567 | Sept. 16, 1879 | 585 | ..... | 16 | 503 |
| Pulp-screen, Revolving | W. L. Longley | 221, 330 | Nov. 4, 1879 | 217 | 59 | 16 | 842 |
| Pulp-tube machine | G. Binns, jr | 222, 981 | Dec. 30, 1879 | 1016 | 291 | 16 | 1191 |
| Pulverizer, Ground | E. D. Fink | 213, 185 | Mar. 11, 1879 | 499 | 139 | 15 | 369 |
| Pulverizing apparatus | M. Golding | 221, 548 | Nov. 11, 1879 | 482 | 132 | 16 | 887 |
| Pump | J. Bean and E. H. Aldrich | 221, 891 | Nov. 18, 1879 | 874 | 245 | 16 | 950 |
| Pump | J. and R. Bean | 220, 789 | Oct. 21, 1879 | 683 | 181 | 16 | 741 |
| Pump | W. S. Blunt | 222, 374 | Dec. 9, 1879 | 291 | 81 | 16 | 1059 |
| Pump | J. Close | 214, 103 | Apr. 8, 1879 | 447 | 127 | 15 | 536 |
| Pump | J. R. Cushier | 220, 350 | Oct. 7, 1879 | 155 | 42 | 16 | 655 |
| Pump | J. R. Cushier | 222, 250 | Dec. 2, 1879 | 157 | 40 | 16 | 1030 |
| Pump | G. W. Dawson | 221, 794 | Nov. 18, 1879 | 772 | 215 | 16 | 935 |
| Pump | T. Dowling | 213, 281 | Mar. 18, 1879 | 611 | 172 | 15 | 392 |
| Pump | C. E. Drake | 216, 384 | June 10, 1879 | 433 | 123 | 15 | 947 |
| Pump | C. H. Duwelius | 218, 245 | Aug. 5, 1879 | 159 | 42 | 16 | 242 |
| Pump | W. Fagan | 214, 764 | Apr. 29, 1879 | 1233 | 346 | 15 | 662 |
| Pump | I. D. Fegely | 220, 593 | Oct. 14, 1879 | 450 | 116 | 16 | 703 |
| Pump | W. H. Garlock and R. Cooke | 217, 089 | July 1, 1879 | 187 | 54 | 16 | 26 |
| Pump | W. Garvens | 221, 167 | Nov. 4, 1879 | 33 | 9 | 16 | 817 |
| Pump | C. G. Grove | 215, 737 | May 27, 1879 | 884 | 258 | 15 | 838 |
| Pump | J. Hoover | 219, 726 | Sept. 16, 1879 | 768 | 212 | 16 | 528 |
| Pump | W. S. Laney | 219, 958 | Sept. 23, 1879 | 1033 | 287 | 16 | 574 |
| Pump | W. Loudon | 217, 126 | July 1, 1879 | 224 | 64 | 16 | 31 |
| Pump | D. P. Manrose | 211, 414 | Jan. 14, 1879 | 398 | 114 | 15 | 51 |
| Pump | E. Martin | 223, 000 | Dec. 30, 1879 | 1040 | 298 | 16 | 1195 |
| Pump | R. A. McCauley | 212, 858 | Mar. 4, 1879 | 89 | 26 | 15 | 309 |
| Pump | M. W. McCortney | 221, 335 | Nov. 4, 1879 | 223 | 61 | 16 | 843 |
| Pump | G. W. McKenzie | 216, 877 | June 24, 1879 | 998 | 284 | 15 | 1039 |
| Pump | R. Misso | 212, 252 | Feb. 11, 1879 | 492 | 137 | 15 | 192 |
| Pump | D. C. Montgomery | 220, 858 | Oct. 21, 1879 | 751 | 200 | 16 | 751 |
| Pump | J. E. Nale | 219, 503 | Sept. 9, 1879 | 513 | 142 | 16 | 486 |
| Pump | W. J. Pirkle | 218, 569 | Aug. 12, 1879 | 535 | 150 | 16 | 304 |
| Pump | J. W. Robertson | 212, 985 | Mar. 4, 1879 | 251 | 69 | 15 | 329 |
| Pump | J. F. Ryan | 219, 529 | Sept. 9, 1879 | 538 | 150 | 16 | 489 |
| Pump | T. B. Swan | 213, 005 | Mar. 4, 1879 | 275 | 76 | 15 | 332 |
| Pump | C. J. Swanson | 223, 188 | Dec. 30, 1879 | 1247 | 354 | 16 | 1222 |
| Pump | F. D. Tuttle | 217, 175 | July 1, 1879 | 272 | 80 | 16 | 38 |
| Pump | C. Tyson | 214, 732 | Apr. 22, 1879 | 1184 | 333 | 15 | 648 |
| Pump | W. C. Wilcox | 213, 309 | Mar. 18, 1879 | 643 | 181 | 15 | 396 |
| Pump | A. W. Woodward | 222, 116 | Nov. 25, 1879 | 1145 | 323<br>324 | 16 | 996 |
| Pump | J. Y., C., and J. R. G. Wren | 214, 228 | Apr. 8, 1879 | 577 | 163 | 15 | 553 |
| Pump, Air | H. Weindel | 216, 071 | June 3, 1879 | 70 | 20 | 15 | 893 |
| Pump and blower, Rotary | J. E. Phinney and J. B. Robertson | 214, 699 | Apr. 22, 1879 | 1144 | 322 | 15 | 643 |
| Pump and center-bit for oil-wells, Combind sand | A. Cunningham | 211, 709 | Jan. 28, 1879 | 751 | 210 | 15 | 103 |
| Pump and curb, Chain | F. W. Devine | 220, 584 | Oct. 14, 1879 | 440 | 113 | 16 | 701 |
| Pump and syringe, Combined breast | M. Von Beust | 213, 014 | Mar. 4, 1879 | 284 | 79 | 15 | 333 |
| Pumps and water-pipes, Safety-regulator for | T. J. Smith | 214, 463 | Apr. 15, 1879 | 866 | 244 | 15 | 600 |
| Pump and windlass, Combined ship's | L. H. Lyon | 218, 448 | Aug. 12, 1879 | 393 | 108 | 16 | 284 |
| Pump attachment | W. Gathany | 214, 817 | Apr. 29, 1879 | 1298 | 363 | 15 | 670 |
| Pump, Automatic | W. Lyman | 215, 626 | July 15, 1879 | 788 | 224 | 16 | 125 |
| Pump base, Vacuum | G. Payne | 213, 243 | Mar. 11, 1879 | 557 | 155 | 15 | 377 |
| Pump, Breast | W. Kennish | 219, 738 | Sept. 16, 1879 | 780 | 215 | 16 | 529 |
| Pump bucket, Chain | M. C. Bignall | 223, 104 | Dec. 30, 1879 | 1163 | 328 | 16 | 1210 |
| Pump bucket, Chain | E. Hoyt | 218, 746 | Aug. 19, 1879 | 738 | 210 | 16 | 340 |
| Pump bucket, Chain | J. F. Secord | 216, 463 | June 10, 1879 | 522 | 149 | 15 | 958 |
| Pump, Centrifugal | E. Chaquette | 216, 603 | June 17, 1879 | 683 | 195 | 15 | 989 |
| Pump, Combination | F. Crocker, sr | 220, 913 | Oct. 28, 1879 | 825 | 221 | 16 | 770 |
| Pump, Direct-acting | J. H. Gray | 218, 731 | Aug. 19, 1879 | 722 | 206 | 16 | 338 |
| Pump, Direct-acting | H. Strater, jr | 215, 026 | May 6, 1879 | 50 | 15 | 15 | 709 |
| Pump, Double-acting | H. T. Drain | 215, 107 | May 6, 1879 | 139 | 41 | 15 | 720 |
| Pump, Double-acting | W. Rodda | 213, 776 | Apr. 1, 1879 | 48 | 16 | 15 | 479 |
| Pump, Double-acting | C. Seymour and H. Chamberlain | 215, 170 | May 6, 1879 | 216 | 63 | 15 | 729 |
| Pump, Double-acting | J. G. Wolf | 212, 777 | Feb. 25, 1879 | 1117 | 311 | 15 | 286 |
| Pump, Double-acting force | P. Breidenbach | 217, 328 | July 8, 1879 | 446 | 131 | 16 | 69 |
| Pump, Double-acting force | C. E. Newman | 219, 754 | Sept. 16, 1879 | 793 | 219 | 16 | 531 |
| Pump, Double-acting lift | W. Loudon | 218, 291 | Aug. 5, 1879 | 205 | 55 | 16 | 248 |
| Pump, Double-acting lift and force | W. Loudon | 211, 168 | Jan. 7, 1879 | 97 | 31 | 15 | 14 |
| Pump for compressing air and gas | S. L. Wiegand | 221, 201 | Nov. 4, 1879 | 67 | 18 | 16 | 821 |
| Pump for compressing ammoniacal and other gases | E. G. Wheeler | 221, 008 | Oct. 28, 1879 | 948 | 253 | 16 | 786 |
| Pump for feeding steam-boilers | C. G. C. Simpson | 214, 203 | Apr. 8, 1879 | 546 | 156 | 15 | 549 |
| Pump for testing-machines, Hydraulic | T. Olsen | 216, 752 | June 24, 1879 | 861 | 244 | 15 | 1022 |
| Pump for tubular wells | H. Manvell and G. Turner | 219, 360 | Sept. 9, 1879 | 357 | 101 | 16 | 465 |
| Pump for vessels, Bilge | J. Rilatt | 213, 450 | Mar. 18, 1879 | 781 | 220 | 15 | 415 |
| Pump, Force | J. J. Finney | 217, 357 | July 8, 1879 | 485 | 141 | 16 | 74 |
| Pump, Force | D. B. Hiser | 215, 002 | May 6, 1879 | 22 | 8 | 15 | 706 |
| Pump, Force | A. G. Holland | 221, 065 | Oct. 28, 1879 | 1012 | 269 | 16 | 794 |
| Pump, Force | W. H. Kacy | 213, 757 | Apr. 1, 1879 | 29 | 9 | 15 | 476 |
| Pump, Force | N. Legros | 215, 468 | May 20, 1879 | 582 | 171 | 15 | 790 |
| Pump, Force | W. H. Richmond | 213, 692 | Mar. 25, 1879 | 1050 | 299 | 15 | 457 |
| Pump-handle attachment | A. A. Lamb | 221, 174 | Nov. 4, 1879 | 41 | 11 | 16 | 818 |
| Pump, Hydraulic | W. Foster | 213, 817 | Apr. 1, 1879 | 96 | 29 | 15 | 485 |
| Pump, Hydraulic air | G. K. Osborn | 220, 726 | Oct. 21, 1879 | 603 | 161 | 16 | 732 |
| Pump, Hydrometer | C. J. Tagliabue | 218, 331 | Aug. 5, 1879 | 247 | 68 | 16 | 254 |
| Pump joint-coupling, Wooden | O. Wells | 215, 307 | May 13, 1879 | 401 | 119 | 15 | 756 |
| Pump, Lift and force | W. G. Fawcett | 214, 556 | Apr. 22, 1879 | 997 | 281 | 15 | 624 |
| Pump, Lifting | E. Barnes | 221, 494 | Nov. 11, 1879 | 418 | 114 | 16 | 878 |
| Pump, Oil | W. H. Downing | 211, 230 | Jan. 7, 1879 | 168 | 50 | 15 | 22 |
| Pump, Oil | E. Rew | 213, 346 | Mar. 18, 1879 | 682 | 191 | 15 | 401 |
| Pump, Oil-well | R. F. Milford | 220, 084 | Sept. 30, 1879 | 1195 | 329 | 16 | 603 |
| Pump, Oil-well | R. F. Milford | 220, 085 | Sept. 30, 1879 | 1195 | 329 | 16 | 603 |
| Pump, Oil-well | J. M. Pearce | 212, 109 | Feb. 11, 1879 | 334 | 92 | 15 | 170 |
| Pump-operating mechanism | J. J. Verckler | 218, 694 | Aug. 19, 1879 | 686 | 194 | 16 | 333 |
| Pump or engine, Portable | D. Bickford | 213, 276 | Mar. 18, 1879 | 696 | 171 | 15 | 391 |
| Pump, Oscillating | D. Palacios | 216, 444 | June 10, 1879 | 504 | 143 | 15 | 956 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Pump-piston, Relief | M. B. Brannen | 212,180 | Feb. 11, 1879 | 412 | 112 | 15 | 181 |
| Pump-plunger | G. H. Corliss | 215,801 | May 27, 1879 | 957 | 280 | 15 | 848 |
| Pump-reel mechanism, Sand | B. E. Wangaman | 219,542 | Sept. 9, 1879 | 549 | 153 | 16 | 491 |
| Pump-rods, Adjustable clamp for | A. Wallace | 215,030 | May 6, 1879 | 53 | 16 | 15 | 709 |
| Pump, Rotary | L. Chapman | 220,520 | Oct. 14, 1879 | 356 | 93 | 16 | 691 |
| Pump, Rotary | J. B. Pullman | 219,826 | Sept. 23, 1879 | 896 | 246 | 16 | 554 |
| Pump, Ship's | J. L. De Wolfe | 214,115 | Apr. 8, 1879 | 458 | 130 | 15 | 538 |
| Pump, Steam | W. Craig | 217,271 | July 8, 1879 | 391 | 115 | 16 | 62 |
| Pump, Steam | J. Gates | 218,514 | Aug. 12, 1879 | 473 | 132, 133 | 16 | 295 |
| Pump, Steam | A. L. Ide | 219,481 | Sept. 9, 1879 | 488 | 136 | 16 | 482 |
| Pump, Steam | M. Schultz | 218,644 | Aug. 19, 1879 | 633 | 178 | 16 | 325 |
| Pump, Steam | J. Tregoning and M. Hastings | 214,597 | Apr. 22, 1879 | 1041 | 292 | 15 | 630 |
| Pump, Steam vacuum | C. Rogers | 212,267 | Feb. 11, 1879 | 507 | 141 | 15 | 193 |
| Pump, Submerged | J. M. May | 215,951 | May 27, 1879 | 1125 | 326 | 15 | 868 |
| Pump-tubing | J. H. Barringer | 212,173 | Feb. 11, 1879 | 405 | 110 | 15 | 180 |
| Pump-valve | G. S. Bartlett | 211,212 | Jan. 7, 1879 | 146 | 44 | 15 | 20 |
| Pump-valve | G. H. Corliss | 215,800 | May 27, 1879 | 956 | 280 | 15 | 847 |
| Pump-valve | J. Scherer | 213,531 | Mar. 25, 1879 | 871 | 248 | 15 | 434 |
| Pump valve-box | J. Watson | 222,217 | Dec. 2, 1879 | 115 | 29 | 16 | 1024 |
| Pump valve, Steam | G. W. Dixon | 218,501 | Aug. 12, 1879 | 460 | 128 | 16 | 293 |
| Pump, Windmill | G. M. Beard | 213,314 | Mar. 18, 1879 | 647 | 182 | 15 | 396 |
| Pumps, Apparatus for drawing valves from oil-well. | W. P. Black | 214,751 | Apr. 29, 1879 | 1218 | 342 | 15 | 660 |
| Pumps, Cylinder-lining for | H. Epping | 221,223 | Nov. 4, 1879 | 92 | 24 | 16 | 824 |
| Pumps, Funnel for chain | J. P. Ryan | 219,983 | Sept. 23, 1879 | 1060 | 294 | 16 | 577 |
| Pumps, Gearing for operating force | L. and J. A. Roderick | 220,175 | Sept. 30, 1879 | 1294 | 356 | 16 | 617 |
| Pumps, Link for chain | W. A. Root | 219,176 | Sept. 2, 1879 | 130 | 39 | 16 | 429 |
| Pumps, Operating | J. Moore and G. W. Dickie | 222,418 | Dec. 9, 1879 | 341 | 96 | 16 | 1066 |
| Pumps, Safety device for steam | N. W. Dunlap | 220,753 | Oct. 21, 1879 | 633 | 169 | 16 | 736 |
| Pumps, Waste-valve for | P. A. Peer | 215,156 | May 6, 1879 | 203 | 58 | 15 | 727 |
| Pumping and cooling, System of | E. J. Molera and J. C. Cebrian | 212,967 | Mar. 4, 1879 | 229 | 64 | 15 | 326 |
| Pumping apparatus, Rotary | B. T. Babbitt | 220,108 | Sept. 30, 1879 | 1222 | 336 | 16 | 607 |
| Pumping-engine | J. Cooke | 218,234 | Aug. 5, 1879 | 143 | 40 | 16 | 240 |
| Pumping-engine | G. H. Corliss | 215,803 | May 27, 1879 | 959 | 281 | 15 | 848 |
| Pumping-engine | G. H. Corliss | 215,804 | May 27, 1879 | 962 | 281 | 15 | 848 |
| Pumping-engine | H. F. Gaskill | 217,526 | July 15, 1879 | 676 | 192 | 16 | 110 |
| Pumping-engine, Compound steam | G. F. Blake | 213,615 | Mar. 25, 1879 | 967 | 274 | 15 | 446 |
| Pumping-engine, Steam | G. H. Corliss | 215,802 | May 27, 1879 | 958 | 280 | 15 | 848 |
| Pumping fluids from casks, Apparatus for | W. F. Class | 220,961 | Oct. 28, 1879 | 890 | 238 | 16 | 778 |
| Pumping fluids, gases, &c., Compound valve for | L. O. Gassett | 213,186 | Mar. 11, 1879 | 500 | 139 | 15 | 369 |
| Pumping, forcing, and blowing, Machinery for | R. Johnson | 212,944 | Mar. 4, 1879 | 203 | 57 | 15 | 322 |
| Pumping system, Atmospheric | W. P. Barclay | 221,903 | Nov. 25, 1879 | 906 | 253, 254 | 16 | 963 |
| Pumping system, Hydraulic and wire-rope | W. P. Barclay | 211,125 | Jan. 7, 1879 | 54 | 17 | 15 | 7 |
| Punch | G. C. Ainsworth | 216,992 | July 1, 1879 | 69 | 21 | 16 | 11 |
| Punch, Belt | G. R. Everson | 213,984 | Apr. 8, 1879 | 287 | 83 | 15 | 518 |
| Punch, Conductor's ticket | H. Schilback | 215,780 | Aug. 19, 1879 | 779 | 221 | 16 | 345 |
| Punch, drill, shears, &c., Combined | R. Bates and J. H. Wild | 216,641 | June 17, 1879 | 717 | 205 | 15 | 994 |
| Punch, Leather-cutting | B. Bohonon | 215,870 | May 27, 1879 | 1068 | 303 | 15 | 858 |
| Punch, Ticket | J. M. Hall and T. Furlong | 214,385 | Apr. 15, 1879 | 790 | 222 | 15 | 590 |
| Punches, shears, and stamps, Mechanism for actuating. | J. T. Bedford | 216,593 | June 17, 1879 | 671 | 191 | 15 | 987 |
| Punching-machine | H. Blundell | 212,535 | Feb. 25, 1879 | 861 | 238 | 15 | 252 |
| Punching-machine | J. Cowhig | 220,129 | Sept. 30, 1879 | 1245 | 342 | 16 | 610 |
| Punching-machine | J. F. Milligan | 215,651 | May 20, 1879 | 788 | 231 | 15 | 817 |
| Punching-machine | J. L. Pearson | 215,663 | May 20, 1879 | 800 | 234 | 15 | 819 |
| Punching-machine clutching device | T. R. Morgan | 213,280 | May 13, 1879 | 363 | 105 | 15 | 751 |
| Punching-machine feeding apparatus | T. R. Morgan | 213,770 | Apr. 1, 1879 | 40 | 13, 14 | 15 | 478 |
| Punching nut-blank bars, Machine for | C. Richards | 219,113 | Sept. 2, 1879 | 59 | 19 | 16 | 420 |
| Punching-press | F. Ecanbert | 213,326 | Mar. 18, 1879 | 660 | 186 | 15 | 398 |
| Pyrometer | A. H. Seyferth | 217,822 | July 22, 1879 | 1018 | 292 | 16 | 164 |
| Pyrotechnic signal | J. J. Detwiller | 217,591 | July 15, 1879 | 753 | 214 | 16 | 120 |
| Pyroxyline, Treating | W. McCaine | 217,232 | July 8, 1879 | 353 | ..... | 16 | 57 |
| Pyx | M. M. A. Hartnedy | 218,262 | Aug. 5, 1879 | 175 | 47 | 16 | 244 |
| **Q.** | | | | | | | |
| Quadrants, Cover for | W. H. Boyd | 220,269 | Oct. 7, 1879 | 65 | 17 | 16 | 643 |
| Quartz, &c., Apparatus for pulverizing metalliferous. | S. F. Hodge | 214,659 | Apr. 22, 1879 | 1105 | 309 | 15 | 638 |
| Quartz-crusher | I. M. Phelps | 215,968 | May 27, 1879 | 1138 | 330 | 15 | 871 |
| Quartz-mill | D. H. Anderson | 212,829 | Mar. 4, 1879 | 56 | 18 | 15 | 305 |
| Quartz-mill, Amalgamating | A. B. Paul | 213,527 | Mar. 25, 1879 | 867 | 247 | 15 | 433 |
| Quicksilver-furnace | J. W. Epley | 217,518 | July 15, 1879 | 667 | 190 | 16 | 109 |
| Quicksilver furnace and condenser | B. F. Chase | 212,189 | Feb. 11, 1879 | 429 | 117, 118 | 15 | 183 |
| Quilting-frame | H. T. Davis | 217,203 | July 8, 1879 | 319 | 94 | 16 | 52 |
| **R.** | | | | | | | |
| Rack: *See* Bottle-rack. Clothes-rack. Hat-rack. Hay-rack. Piano-forte music-rack. Sketching-rack. Wagon-rack. | | | | | | | |
| Rack for supporting articles over lamps for heating. | I. W. Stiles | 215,180 | May 6, 1879 | 222 | 65 | 15 | 730 |
| Radiator | G. P. York and W. H. Wilson | 221,653 | Nov. 11, 1879 | 587 | 164 | 16 | 903 |
| Radiator for steam-heaters | P. R. Covert and P. A. Snyder | 212,360 | Feb. 18, 1879 | 624 | 176 | 15 | 212 |
| Radiator, Steam | C. R. Blackmore | 214,806 | Apr. 29, 1879 | 1285 | 359, 360 | 15 | 668 |
| Radiator, Steam | W. M. Fuller | 216,389 | June 10, 1879 | 438 | 125 | 15 | 947 |
| Radiator, Steam | T. P. Hardy | 216,400 | June 10, 1879 | 452 | 129 | 15 | 949 |
| Radiator, Steam | C. Hart | 216,324 | June 10, 1879 | 363 | 104 | 15 | 937 |
| Radiator, Steam | J. T. Kelly | 215,823 | May 27, 1879 | 983 | 287 | 15 | 851 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. | | Official Gazette. | |
|---|---|---|---|---|---|---|---|
| | | | | Spec. | Dr'g. | Vol. | Page. |
| Radiator support, Steam | F. N. Trevor and A. J. Evans | 218,088 | July 29, 1879 | 1320 | 379 | 16 | 211 |
| Radiators, Blow-off valve for steam | W. Burlingame | 221,515 | Nov. 11, 1879 | 441 | 120 | 16 | 882 |
| Rafter | W. Hall | 214,127 | Apr. 8, 1879 | 473 | 134 | 15 | 539 |
| Rag-clipping machine | G. W. Patton and J. H. Knowles | 214,185 | Apr. 8, 1879 | 529 | 150 | 15 | 547 |
| Rag-engine | W. H. Russell | 216,349 | June 10, 1879 | 394 | 112 | 15 | 941 |
| Rag-machine | T. W. Harding | 217,100 | July 1, 1879 | 197 | 57 | 16 | 27 |
| Rag-washing machine for rag and paper washing engines. | J. Tyler | 216,585 | June 17, 1879 | 662 | 189 | 15 | 986 |
| Rags or waste, Machine for picking | J. T. Slack | 214,462 | Apr. 15, 1879 | 865 | 244 | 15 | 600 |
| Rail | J. McMullen | 212,617 | Feb. 25, 1879 | 951 | 263 | 15 | 263 |
| Rail and telegraph conductor, Combined | P. Bargion | 217,766 | July 22, 1879 | 955 | 275 | 16 | 156 |
| Rail, Cellular | G. B. Field | 217,085 | July 1, 1879 | 182 | 52, 53 | 16 | 25 |
| Rail-chair | A. M. Blake | 218,853 | Aug. 26, 1879 | 895 | 250 | 16 | 370 |
| Rail, Compound | W. J. Holman | 222,498 | Dec. 9, 1879 | 439 | 126 | 16 | 1078 |
| Rail-joint | J. O. Brown | 219,905 | Sept. 23, 1879 | 973 | 270 | 16 | 565 |
| Rail-joint | H. W. Cappell | 217,337 | July 8, 1879 | 462 | 135 | 16 | 71 |
| Rail-joint | C. Fisher | 214,032 | Apr. 8, 1879 | 345 | 99 | 15 | 525 |
| Rail-joint | C. Fisher | 215,446 | May 20, 1879 | 555 | 163 | 15 | 786 |
| Rail-joint | W. R. Hardcastle | 219,088 | Sept. 2, 1879 | 37 | 11, 12 | 16 | 417 |
| Rail-joint | E. P. Hyatt | 215,819 | May 27, 1879 | 977 | 285 | 15 | 850 |
| Rail-joint | J. Meehan | 217,394 | July 8, 1879 | 519 | 150 | 16 | 78 |
| Rail-joint | H. Vignoles | 218,907 | Aug. 26, 1879 | 957 | 268, 269 | 16 | 380 |
| Rail-joint | A. T. Wilson | 220,455 | Oct. 7, 1879 | 270 | 72 | 16 | 672 |
| Rail-spikes, Safety-plate for securing | G. P. Osborne | 214,182 | Apr. 8, 1879 | 525 | 149 | 15 | 546 |
| Rail-supporting shoe-plate | J. Keller | 218,442 | Aug. 12, 1879 | 387 | 106 | 16 | 283 |
| Rail-tie | A. P. Whiting | 218,603 | Aug. 12, 1879 | 569 | 161 | 16 | 308 |
| Rail tie and joint | L. A. Gouch | 216,846 | June 24, 1879 | 967 | 275 | 15 | 1035 |
| Railway | C. F. Dodge | 217,452 | July 15, 1879 | 600 | 171 | 16 | 100 |
| Railway | R. and H. T. Halloran | 218,261 | Aug. 5, 1879 | 174 | 47 | 16 | 244 |
| Railway and car therefor, Elevated | E. Andrews | 222,647 | Dec. 16, 1879 | 634 | 181 | 16 | 1115 |
| Railway-bars, Carriage for | T. Critchlow | 213,630 | Mar. 25, 1879 | 983 | 279 | 15 | 448 |
| Railway-bearing cushion, Laminated | F. W. Schroeder | 213,841 | Apr. 1, 1879 | 119 | 36 | 15 | 488 |
| Railway-bed | J. M. Seymour | 213,697 | Mar. 25, 1879 | 1054 | 300 | 15 | 458 |
| Railway-brake, Automatic | T. Potter | 217,144 | July 1, 1879 | 242 | 71 | 16 | 34 |
| Railway-brake, Steam | J. F. Waite and S. Gavit | 214,212 | Apr. 8, 1879 | 561 | 159 | 15 | 551 |
| Railway-chair | J. R. Sullivan | 223,187 | Dec. 30, 1879 | 1247 | 353 | 16 | 1222 |
| Railway-chair | J. Wodiska | 217,718 | July 22, 1879 | 910 | 260 | 16 | 150 |
| Railway-chair and fastening | H. A. Haarmann | 219,856 | Sept. 26, 1879 | 921 | 255 | 16 | 558 |
| Railway cross-tie | T. W. Travis | 214,208 | Apr. 8, 1879 | 554 | 158 | 15 | 520 |
| Railway-crossing | W. B. Bernard and J. D. Perkins | 212,432 | Feb. 18, 1879 | 714 | 198 | 15 | 224 |
| Railway-crossing | H. Jeffrey | 218,632 | Aug. 19, 1879 | 623 | 175 | 16 | 323 |
| Railway-crossing | W. Wharton, jr | 211,607 | Jan. 21, 1879 | 621 | 175 | 15 | 82 |
| Railway-crossing gate | M. S. Drake | 217,592 | July 15, 1879 | 754 | 214 | 16 | 120 |
| Railway-crossing gate | T. Meehan and C. McLean | 218,551 | Aug. 12, 1879 | 518 | 145 | 16 | 301 |
| Railway-ditching machine | D. Horrie | 215,611 | May 20, 1879 | 745 | 217 | 15 | 811 |
| Railway, Elevated | O. W. Barnes | 217,441 | July 15, 1879 | 589 | 169 | 16 | 99 |
| Railway, Elevated | S. S. Burt | 221,774 | Nov. 18, 1879 | 733 | 204 | 16 | 931 |
| Railway, Elevated | B. Burton | 217,925 | July 29, 1879 | 1147 | 328 | 16 | 188 |
| Railway, Elevated | C. Doukersley | 219,392 | Sept. 9, 1879 | 395 | 110 | 16 | 470 |
| Railway, Elevated | J. Johnson | 213,905 | Apr. 1, 1879 | 188 | 54, 55 | 15 | 496 |
| Railway, Elevated | J. Miller | 211,174 | Jan. 7, 1879 | 102 | 32 | 15 | 14 |
| Railway, Elevated cable | F. M. Raeger | 222,601 | Dec. 16, 1879 | 572 | 163 | 16 | 1106 |
| Railway fish-plates, Locking device for | I. Sherck and J. Batig, jr | 219,414 | Sept. 9, 1879 | 422 | 117 | 16 | 473 |
| Railway-frog | M. Condon | 219,690 | Sept. 16, 1879 | 730 | 202 | 16 | 522 |
| Railway-frog | P. Haley | 216,268 | June 10, 1879 | 294 | 86 | 15 | 929 |
| Railway-frog | C. H. Jackson | 217,536 | July 15, 1879 | 687 | 195 | 16 | 112 |
| Railway-frog | C. H. Jackson | 218,123 | Aug. 5, 1879 | 18 | 5 | 16 | 223 |
| Railway-frog | E. H. Johnston | 213,204 | Mar. 11, 1879 | 516 | 143 | 15 | 371 |
| Railway-frog | M. McAleenan | 218,545 | Aug. 12, 1879 | 510 | 143 | 16 | 300 |
| Railway-frog | J. T. Richardson | 218,451 | Aug. 12, 1879 | 396 | 109 | 16 | 284 |
| Railway-frog | F. C. Weir | 215,548 | May 20, 1879 | 671 | 195 | 15 | 802 |
| Railway-frog | F. C. Weir | 220,264 | Oct. 7, 1879 | 60 | 16 | 16 | 643 |
| Railway-frog, Adjustable | B. R. Starratt | 211,193 | Jan. 7, 1879 | 127 | 39 | 15 | 18 |
| Railway frog and crossing | W. C. Quigley | 222,734 | Dec. 16, 1879 | 722 | 207 | 16 | 1128 |
| Railway-gate | H. Hahn and A. L. Gaston | 215,350 | May 13, 1879 | 439 | 131 | 15 | 762 |
| Railway-gate | H. D. Kahler | 222,634 | Dec. 16, 1879 | 618 | 176, 177 | 16 | 1113 |
| Railway-gate | L. C. Pope and O. N. Tincher | 216,886 | June 24, 1879 | 1006 | 286 | 15 | 1040 |
| Railway-gate | D. A. Walker and J. R. Smith | 218,091 | July 29, 1879 | 1324 | 380 | 16 | 211 |
| Railway-gate, Automatic | M. McAueny and P. Schobert | 218,546 | Aug. 12, 1879 | 511 | 143 | 16 | 300 |
| Railway-gate, Automatic safety | W. C. C. Rouse | 215,681 | May 20, 1879 | 819 | 239 | 15 | 822 |
| Railway-lock | E. F. Locke | 218,990 | Aug. 26, 1879 | 1041 | 294 | 16 | 391 |
| Railway-platform guard | J. Simonson | 214,202 | Apr. 8, 1879 | 545 | 156 | 15 | 549 |
| Railway, Portable | T. E. Allison | 218,360 | Aug. 12, 1879 | 296 | 81 | 16 | 271 |
| Railway, Portable | J. K. Davis | 222,254 | Dec. 2, 1879 | 161 | 41 | 16 | 1030 |
| Railway, Portable | J. J. Jova | 212,557 | Feb. 25, 1879 | 885 | 244 | 15 | 255 |
| Railway-rail | S. Nicholls | 222,202 | Dec. 2, 1879 | 207 | 55 | 16 | 1037 |
| Railway-rail | M. R. Perkins | 213,132 | Mar. 11, 1879 | 437 | 121 | 15 | 361 |
| Railway-rail-cutting device | J. M. Peterson | 217,400 | July 8, 1879 | 527 | 152 | 16 | 79 |
| Railway-rail joint | H. Forsyth | 218,954 | Aug. 26, 1879 | 1003 | 282 | 16 | 386 |
| Railway-rail-splitting machine | P. and W. B. Hayden | 219,722 | Sept. 16, 1879 | 763 | 211 | 16 | 527 |
| Railway-rail sprinkler | M. F. Craig | 221,527 | Nov. 11, 1879 | 459 | 125 | 16 | 884 |
| Railway-rails, Elastic seat for | G. L. Mack | 223,052 | Dec. 30, 1879 | 1098 | 312 | 16 | 1202 |
| Railway-rails, Machine for curving | J. M. Duncan and G. Jones | 222,182 | Dec. 2, 1879 | 75 | 18 | 16 | 1019 |
| Railway-rails, Roll for reducing | C. Hewitt | 220,239 | Oct. 7, 1879 | 34 | 9 | 16 | 639 |
| Railway-rails, Roll for reducing | C. Hewitt | 220,240 | Oct. 7, 1879 | 36 | 9 | 16 | 639 |
| Railway-rails, Roll for utilizing the fag-ends of steel. | M. McDowell | 215,065 | May 6, 1879 | 90 | 27 | 15 | 714 |
| Railway-rails to merchantable bars, Machinery for reducing old steel. | B. P. Brunner | 219,616 | Sept. 16, 1879 | 641 | 178 | 16 | 511 |
| Railway-rails, Track-bar for raising | J. W. McClure | 217,131 | July 1, 1879 | 228 | 66 | 16 | 32 |
| Railway safety-switch | J. T. Halsey | 214,649 | Apr. 22, 1879 | 1094 | 306 | 15 | 637 |
| Railway-signal | F. B. Aspinwall | 221,267 | Nov. 4, 1879 | 141 | 39 | 16 | 882 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Railway-signal | W. E. Badger | 222, 436 | Dec. 9, 1879 | 362 | 103 | 16 | 1068 |
| Railway-signal | W. G. Evans | 217, 355 | July 8, 1879 | 482 | 140 | 16 | 73 |
| Railway-signal | M. L. Hurd | 219, 480 | Sept. 9, 1879 | 487 | 136 | 16 | 482 |
| Railway-signal | J. W. Percival | 211, 423 | Jan. 14, 1879 | 411 | 117 | 15 | 52 |
| Railway-signal | T. A. B. Putnam | 217, 482 | July 15, 1879 | 631 | 180 | 16 | 104 |
| Railway-signal | J. C. West | 221, 486 | Nov. 11, 1879 | 408 | 111 | 16 | 877 |
| Railway-signal apparatus, Electric | C. D. Tisdale | 218, 693 | Aug. 19, 1879 | 685 | 194 | 16 | 333 |
| Railway-signal, Electric | J. I. Conklin, jr | 222, 383 | Dec. 9, 1879 | 304 | 84 | 16 | 1060 |
| Railway signal-light | C. L. Heywood | 216, 400 | June 10, 1879 | 456 | 130 | 15 | 949 |
| Railway-signaling | H. W. Spang | 221, 625 | Nov. 11, 1879 | 559 | 155 | 16 | 899 |
| Railway-sleeper | H. L. Buckuall | 211, 697 | Jan. 28, 1879 | 740 | 206, 207 | 15 | 102 |
| Railway, Street | H. E. Jones | 215, 003 | May 6, 1879 | 23 | 8 | 15 | 706 |
| Railway-switch | J. H. Ainsworth | 211, 541 | Jan. 21, 1879 | 541 | 153, 154 | 15 | 72 |
| Railway-switch | C. S. Bastright | 223, 096 | Dec. 30, 1879 | 1154 | 325 | 16 | 1209 |
| Railway-switch | F. L. Bridges | 219, 383 | Sept. 9, 1879 | 385 | 107, 108 | 16 | 469 |
| Railway-switch | J. B. Carey | 222, 127 | Dec. 2, 1879 | 11 | 3 | 16 | 1010 |
| Railway-switch | H. Douglass | 213, 325 | Mar. 18, 1879 | 659 | 186 | 15 | 398 |
| Railway-switch | C. F. Gessert | 212, 456 | Feb. 18, 1879 | 748 | 206 | 15 | 228 |
| Railway-switch | J. T. Halsey | 214, 650 | Apr. 22, 1879 | 1096 | 307 | 15 | 637 |
| Railway-switch | H. N. Hopkins | 219, 475 | Sept. 9, 1879 | 483 | 134 | 16 | 481 |
| Railway-switch | H. N. Hopkins | 219, 476 | Sept. 9, 1879 | 484 | 134, 135 | 16 | 482 |
| Railway-switch | R. S. Miner | 217, 234 | July 8, 1879 | 355 | 105 | 16 | 57 |
| Railway-switch | S. B. Nickum | 215, 960 | May 27, 1879 | 1132 | 328 | 15 | 869 |
| Railway-switch | H. A. Norton | 216, 691 | June 17, 1879 | 773 | 221 | 15 | 1001 |
| Railway-switch | W. L. Potter | 217, 402 | July 8, 1879 | 529 | 152 | 16 | 79 |
| Railway-switch | P. V. M. Raymond | 211, 670 | Jan. 28, 1879 | 711 | 199 | 15 | 98 |
| Railway-switch | B. Rice | 213, 347 | Mar. 18, 1879 | 683 | 192 | 15 | 401 |
| Railway-switch | H. D. Sprague | 221, 196 | Nov. 4, 1879 | 63 | 17 | 16 | 820 |
| Railway-switch | D. Tracy | 216, 913 | June 24, 1879 | 1040 | 295, 296 | 15 | 1044 |
| Railway-switch mechanism, Street | C. A. Pingree | 215, 069 | May 6, 1879 | 94 | 28 | 15 | 714 |
| Railway-switch-operating mechanism | J. A. Heyl | 219, 095 | Sept. 2, 1879 | 43 | 14 | 16 | 418 |
| Railway-switch-operating mechanism | A. Middleton | 219, 288 | Sept. 2, 1879 | 264 | 75 | 16 | 445 |
| Railway-switch, Self-acting street | T. Sharts | 216 978 | July 1, 1879 | 57 | 18 | 16 | 10 |
| Railway-switch stand | J. Brahn | 218, 110 | Aug. 5, 1879 | 5 | 2 | 16 | 221 |
| Railway switch, Street | A. Whittemore | 222, 617 | Dec. 16, 1879 | 594 | 169 | 16 | 1109 |
| Railway-switches, Device for operating | H. Greenway | 216, 395 | June 10, 1879 | 444 | 127 | 15 | 948 |
| Railway system, Flexible | O. C. Woolson | 212, 827 | Mar. 4, 1879 | 53 | 17 | 15 | 304 |
| Railway-tank apparatus | G. B. Thurber | 215, 413 | May 13, 1879 | 501 | 148 | 13 | 770 |
| Railway-tenders, Apparatus for supplying water to | T. Leininger | 222, 918 | Dec. 23, 1879 | 942 | 270 | 16 | 1170 |
| Railway-tie | C. Hanshaw | 218, 878 | Aug. 26, 1879 | 925 | 259 | 16 | 375 |
| Railway-tie | H. T. Livingston | 220, 026 | Sept. 30, 1879 | 1115 | 308 | 16 | 592 |
| Railway-tie | O. E. Mullarky | 221, 596 | Nov. 11, 1879 | 533 | 147 | 16 | 895 |
| Railway-tie | H. Reese | 214, 192 | Apr. 8, 1879 | 535 | 152 | 15 | 548 |
| Railway-tie | H. Reese | 215, 675 | May 20, 1879 | 809 | 237 | 15 | 820 |
| Railway-tie | C. F. Wagner | 218, 648 | Aug. 19, 1879 | 638 | 180 | 16 | 326 |
| Railway tie and chair | D. C. Cregier | 215, 509 | May 20, 1879 | 629 | 184 | 15 | 796 |
| Railway-track | A. Bowman | 211, 885 | Feb. 4, 1879 | 72 | 21 | 15 | 135 |
| Railway-track | J. Buckner, jr | 212, 127 | Feb. 11, 1879 | 359 | 98 | 15 | 174 |
| Railway-track | W. H. Hall | 211, 508 | Jan. 21, 1879 | 509 | 143 | 15 | 68 |
| Railway-track | O. Macdaniel | 215, 010 | May 6, 1879 | 30 | 10 | 15 | 706 |
| Railway track, Elevated street | S. Dodson | 221, 450 | Nov. 11, 1879 | 361 | 99 | 16 | 871 |
| Railway-track gage | F. S. Prendergast | 220, 415 | Oct. 7, 1879 | 227 | 61 | 16 | 666 |
| Railway-track lubricator | T. P. Smyth | 219, 028 | Aug. 26, 1879 | 1081 | 304 | 16 | 396 |
| Railway-track, Portable | A. Heym | 221, 817 | Nov. 18, 1879 | 796 | 221 | 16 | 938 |
| Railway-track, Portable | J. Morgan, jr | 213, 923 | Apr. 1, 1879 | 206 | 60 | 15 | 499 |
| Railway-track, Portable | M. Pesaut | 215, 770 | May 27, 1879 | 919 | 270 | 15 | 843 |
| Railway-track, Portable | J. Turl | 217, 755 | July 22, 1879 | 945 | 271 | 16 | 155 |
| Railway-tracks, Flange-plow and ice-cutter for | C. W. Colony | 215, 575 | May 25, 1879 | 702 | 206 | 15 | 806 |
| Railway, Wire-rope | C. F. Dodge | 215, 586 | May 20, 1879 | 717 | 209, 210 | 15 | 807 |
| Railways, Apparatus for destroying vegetation on | L. B. Simpson | 213, 255 | Mar. 11, 1879 | 569 | 158 | 15 | 378 |
| Railways, Automatic grip for rope | H. S. Grace | 220, 283 | Oct. 7, 1879 | 80 | 22 | 16 | 646 |
| Railways, Deadening noise on elevated | G. E. Bendix | 222, 230 | Dec. 2, 1879 | 130 | 32 | 16 | 1026 |
| Railways, Griping device for wire-rope | J. Hansen | 217, 096 | July 1, 1879 | 194 | 56 | 16 | 27 |
| Railways, Muffling contrivance for elevated | J. R. Harrington | 219, 397 | Sept. 9, 1879 | 490 | 112 | 16 | 471 |
| Railways, Sound-deadening device for elevated | G. P. Osborne | 218, 895 | Aug. 29, 1879 | 944 | 265 | 16 | 378 |
| Raising and moving heavy bodies, Machine for | T. Thayer | 218, 598 | Aug. 12, 1879 | 566 | 160 | 16 | 308 |
| Raising heavy bodies, Apparatus for | T. C. Naramore | 213, 128 | Mar. 11, 1879 | 433 | 120 | 15 | 360 |
| Rake: *See* Harvester-rake. Horse-rake. Hay-rake. Wheel-rake. | | | | | | | |
| Rake | L. A. Powers | 222, 733 | Dec. 16, 1879 | 722 | 207 | 16 | 1128 |
| Rake-tooth, Metallic | W. M. White | 220, 511 | Oct. 14, 1879 | 344 | 91 | 16 | 690 |
| Raker, Self | J. Bordwell | 218, 615 | Aug. 19, 1879 | 690 | 169, 170 | 16 | 321 |
| Ram, Hydraulic | H. H. Heise | 218, 964 | Aug. 26, 1879 | 1011 | 284 | 16 | 387 |
| Ram, Hydraulic | I. B. Millington | 214, 682 | Apr. 22, 1879 | 1129 | 317 | 15 | 641 |
| Ram, Hydraulic | G. Yellott | 214, 979 | Apr. 29, 1879 | 1463 | 407 | 15 | 693 |
| Ramie, &c., Process and machine for disintegrating | A. Angell | 219, 668 | Sept. 16, 1879 | 708 | 196 | 16 | 519 |
| Range | L. F. Duparquet and P. Huot | 213, 499 | Mar. 25, 1879 | 840 | 237 | 15 | 430 |
| Range, Cooking | J. Jewett | 213, 756 | Apr. 1, 1879 | 28 | 9 | 15 | 476 |
| Range or cooking-stove | G. S. Sandner, jr | 213, 694 | Mar. 25, 1879 | 1052 | 299 | 15 | 457 |
| Range ventilator, Kitchen | D. H. Erdman | 217, 353 | July 8, 1879 | 478 | 129 | 16 | 73 |
| Ratchet-drill | J. C. Steber | 212, 066 | Feb. 4, 1879 | 282 | 77 | 15 | 161 |
| Ratchet mechanism and clutch for machinery | T. A. Weston | 212, 336 | Feb. 18, 1879 | 597 | 167, 168 | 15 | 208 |
| Ratchet-wrench | S. W. Martin | 213, 916 | Apr. 1, 1879 | 199 | 58 | 15 | 498 |
| Ratchet-wrench | J. Woolford | 221, 989 | Nov. 25, 1879 | 1007 | 282 | 16 | 976 |
| Rattan-cutter | C. P. Blavier | 217, 855 | July 29, 1879 | 1067 | 306 | 16 | 177 |

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|---|---|---|---|---|---|---|---|
| Rattan scraping and stripping machine | G. S. Colburn | 221,720 | Nov. 18, 1879 | 673 | 188, 189 | 16 | 922 |
| Razor and knife | N. B. Slayton | 220,438 | Oct. 7, 1879 | 251 | 67 | 16 | 669 |
| Razor-strop | J. H. Davis | 216,157 | June 3, 1879 | 155 | 46 | 15 | 904 |
| Razors, Manufacture of | C. F. Pluemacher | 221,352 | Nov. 4, 1879 | 240 | 65 | 16 | 846 |
| Reamer | H. Reichardt | 213,937 | Apr. 1, 1879 | 217 | 64 | 15 | 501 |
| Reamer for deep wells | C. A. Mentry | 217,740 | July 22, 1879 | 933 | 268 | 16 | 153 |
| Reaper and harvester, Combined | A. G. Desparois and L. F. Christian. | 220,354 | Oct. 7, 1879 | 159 | 43 | 16 | 656 |
| Reaper attachment | H. Hoover | 217,219 | July 8, 1879 | 338 | 100 | 16 | 55 |
| Reaper, thrasher, and separator, Combined | R. J. Clark | 222,772 | Dec. 23, 1879 | 769 | 222 | 16 | 1145 |
| Reciprocating apparatus or motor | A. Knecht | 220,625 | Oct. 14, 1879 | 481 | 126 | 16 | 707 |
| Reciprocation-regulator, Automatic | J. E. Crisp | 215,047 | May 6, 1879 | 69 | 21, 22 | 15 | 711 |
| Reclining-chair | G. A. Doellinger | 223,120 | Dec. 30, 1879 | 1182 | 333 | 16 | 1213 |
| Reclining-chair | J. E. Graetz | 213,894 | Apr. 1, 1879 | 177 | 52 | 15 | 495 |
| Reclining-chair | E. Lord | 215,377 | May 13, 1879 | 462 | 139 | 15 | 765 |
| Reclining-chair | D. W. Miller | 219,289 | Sept. 2, 1879 | 265 | 75 | 16 | 445 |
| Reclining-chairs, Adjustable brace for | C. J. Petersen | 218,769 | Aug. 19, 1879 | 766 | 217 | 16 | 343 |
| Recorder: *See* Electric recorder. Shock and jar recorder. Passenger-recorder. Speed and time recorder. Passenger and time recorder. Steam-engine recorder. | | | | | | | |
| Rectifying-machine | G. W. Kidd | 222,282 | Dec. 2, 1879 | 188 | 49 | 16 | 1034 |
| Reducing, mixing, and sifting machine | N. Bassett | 221,387 | Nov. 11, 1879 | 292 | 79 | 16 | 861 |
| Reel: *See* Bolting-reel. Fishing-line reel. Clothes-reel. Harvester-reel. Clothes-line reel. Hose-reel. Fishing-reel. | | | | | | | |
| Reel and drawer box | G. Simon | 216,233 | June 3, 1879 | 233 | 69 | 15 | 914 |
| Reel for coiling metal strips | W. W. Miner and B. Bevelander | 222,148 | Dec. 2, 1879 | 38 | 10 | 16 | 1014 |
| Reflector | A. Bouchard | 211,648 | Jan. 28, 1879 | 685 | 192 | 15 | 94 |
| Reflector | E. L. Bryant and W. F. Russell | 218,426 | Aug. 12, 1879 | 371 | 101 | 16 | 281 |
| Reflector | W. J. Flick | 213,744 | Apr. 1, 1879 | 16 | 5 | 15 | 475 |
| Reflector | I. P. Frink | 215,448 | May 20, 1879 | 556 | 163 | 15 | 786 |
| Refrigerating air for cooling beer and other liquids, Apparatus for. | F. Pallausch | 216,884 | June 24, 1879 | 1004 | 285 | 15 | 1040 |
| Refrigerating and ice-making apparatus | J. Horton | 218,630 | Aug. 19, 1879 | 621 | 175 | 16 | 323 |
| Refrigerating and ice-making apparatus | J. G. Wolf | 213,487 | Mar. 18, 1879 | 813 | 230 | 15 | 418 |
| Refrigerating and preserving food, Dish for | M. L. Brisbrane | 211,552 | Jan. 21, 1879 | 555 | 157 | 15 | 74 |
| Refrigerating and ventilating apparatus | G. G. Fryer | 219,085 | Sept. 2, 1879 | 32 | 10, 11 | 16 | 416 |
| Refrigerating apparatus | T. B. Carr | 211,700 | Jan. 28, 1879 | 743 | 208 | 15 | 102 |
| Refrigerating apparatus | T. Elkins | 221,222 | Nov. 4, 1879 | 91 | 24 | 16 | 824 |
| Refrigerating apparatus | J. Parisette | 219,975 | Sept. 23, 1879 | 1053 | 292 | 16 | 576 |
| Refrigerating apparatus | B. F. Teal | 213,954 | Apr. 1, 1879 | 234 | 68 | 15 | 503 |
| Refrigerating apparatus | J. A. Whitney | 219,131 | Sept. 2, 1879 | 82 | 26 | 16 | 423 |
| Refrigerating apparatus | J. E. Winants | 212,164 | Feb. 11, 1879 | 394 | 108 | 15 | 179 |
| Refrigerating apparatus for liquids, &c | A. Drache | 213,635 | Mar. 25, 1879 | 988 | 281, 282 | 15 | 449 |
| Refrigerating-chamber, &c | G. H. Maetzel | 222,144 | Dec. 2, 1879 | 32 | 9 | 16 | 1013 |
| Refrigerating-chambers, Condenser for | F. Roloson | 216,761 | June 24, 1879 | 869 | 247 | 15 | 1023 |
| Refrigerating-house | D. C. Sanford | 217,552 | July 15, 1879 | 704 | 201, 202 | 16 | 114 |
| Refrigerating liquids, Apparatus for | W. Young and A. Neilson | 222,433 | Dec. 9, 1879 | 359 | 102 | 16 | 1067 |
| Refrigeration or freezing of liquids, Apparatus for the. | H. J. West | 213,794 | Apr. 1, 1879 | 70 | 23 | 15 | 482 |
| Refrigerator | G. C. Addison | 222,221 | Dec. 2, 1879 | 120 | 30 | 16 | 1025 |
| Refrigerator | W. T. Alley | 217,504 | July 15, 1879 | 653 | 186 | 16 | 107 |
| Refrigerator | J. P. Ast | 215,859 | May 27, 1879 | 1028 | 300 | 15 | 856 |
| Refrigerator | J. J. Bate | 222,121 | Dec. 2, 1879 | 5 | 2 | 16 | 1009 |
| Refrigerator | J. J. Bate | 222,122 | Dec. 2, 1879 | 6 | 2 | 16 | 1009 |
| Refrigerator | J. J. Bate | 222,173 | Dec. 2, 1879 | 64 | 15 | 16 | 1017 |
| Refrigerator | J. Bostwick | 216,935 | July 1, 1879 | 8 | 3 | 16 | 4 |
| Refrigerator | J. C. Bowen | 221,771 | Nov. 18, 1879 | 729 | 203 | 16 | 930 |
| Refrigerator | H. W. Cass | 221,394 | Nov. 11, 1879 | 301 | 82 | 16 | 862 |
| Refrigerator | F. Colton | 219,802 | Sept. 23, 1879 | 870 | 210 | 16 | 550 |
| Refrigerator | D. W. Davis | 220,915 | Oct. 28, 1879 | 826 | 221 | 16 | 770 |
| Refrigerator | H. M. Diggins | 221,218 | Nov. 4, 1879 | 86 | 23 | 16 | 824 |
| Refrigerator | W. Dreusike | 222,473 | Dec. 9, 1879 | 416 | 118 | 16 | 1075 |
| Refrigerator | B. W. Gillett | 215,272 | May 13, 1879 | 352 | 102 | 15 | 750 |
| Refrigerator | W. Greth | 219,355 | Sept. 9, 1879 | 351 | 99, 100 | 16 | 464 |
| Refrigerator | T. Guineau | 219,154 | Sept. 2, 1879 | 106 | 31 | 16 | 426 |
| Refrigerator | G. H. Hammond | 219,256 | Sept. 2, 1879 | 232 | 66 | 16 | 441 |
| Refrigerator | A. Heinz | 213,751 | Apr. 1, 1879 | 24 | 7, 8 | 15 | 476 |
| Refrigerator | S. W. Loller | 222,924 | Dec. 23, 1879 | 948 | 272 | 16 | 1171 |
| Refrigerator | J. R. Ludlow | 212,808 | Mar. 4, 1879 | 32 | 10 | 15 | 301 |
| Refrigerator | T. H. Marks | 223,155 | Dec. 30, 1879 | 1218 | 345 | 16 | 1218 |
| Refrigerator | W. H. and A. McCormick | 216,204 | June 3, 1879 | 204 | 60, 61 | 15 | 911 |
| Refrigerator | J. Platte | 212,741 | Feb. 25, 1879 | 1073 | 298 | 15 | 280 |
| Refrigerator | B. Rose | 213,530 | Mar. 25, 1879 | 870 | 248 | 15 | 434 |
| Refrigerator | J. J. Ross | 218,138 | Aug. 5, 1879 | 36 | 10 | 16 | 225 |
| Refrigerator | S. Scott | 222,604 | Dec. 16, 1879 | 577 | 165 | 16 | 1107 |
| Refrigerator | C. B. Shaw | 218,783 | Aug. 19, 1879 | 782 | 222 | 16 | 346 |
| Refrigerator | J. M. Slosson | 219,535 | Sept. 9, 1879 | 543 | 152 | 16 | 490 |
| Refrigerator | J. C. Summers and M. G. Combs. | 220,188 | Sept. 30, 1879 | 1314 | 363 | 16 | 620 |
| Refrigerator | F. Wolf | 220,459 | Oct. 7, 1879 | 273 | 74 | 16 | 673 |
| Refrigerator | L. B. Woolfolk | 214,225 | Apr. 8, 1879 | 573 | 162 | 15 | 552 |
| Refrigerator and water-cooler, Combined | M. Greenebaum | 211,565 | Jan. 21, 1879 | 571 | 162 | 15 | 76 |
| Refrigerator and water-cooler, Combined | M. B. Titman | 221,983 | Nov. 25, 1879 | 1002 | 280 | 16 | 976 |
| Refrigerator-building | J. Conly and J. B. Wise | 214,887 | Apr. 29, 1879 | 1372 | 382 | 15 | 680 |
| Refrigerator-building | W. Leland | 216,043 | June 3, 1879 | 41 | 12 | 15 | 890 |
| Refrigerator-car | C. F. Jauriet | 215,625 | May 20, 1879 | 761 | 222, 223 | 15 | 814 |

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|---|---|---|---|---|---|---|---|
| Refrigerator-car | T. L. Rankin | 220,422 | Oct. 7, 1879 | 235 | 63 | 16 | 667 |
| Refrigerator, Porous | W. Galloway | 211,562 | Jan. 21, 1879 | 567 | 161 | 15 | 76 |
| Refrigerator-wagon | A. Ulrich | 214,853 | Apr. 29, 1879 | 1340 | 373 | 15 | 676 |
| Regenerative furnace, Rotative | C. W. Siemens | 218,326 | Aug. 5, 1879 | 243 | 66 | 16 | 253 |
| Register: | | | | | | | |
| *See* Cash-register. Check-register. Cloth-register. Counting-register. Fare-register. Grain-register. Hoisting-register. Liquor-register. Time-register. Turnstile-register. | | | | | | | |
| Register and indicator | J. Windmüller and F. Ahrens | 217,663 | July 15, 1879 | 828 | 237 | 16 | 130 |
| Registering apparatus | E. R. Moffit | 222,834 | Dec. 23, 1879 | 844 | 241 | 16 | 1155 |
| Regulator: | | | | | | | |
| *See* Brake-regulator. Damper-regulator. Electric-light regulator. Feed-water regulator. Furnace-regulator. Gas-regulator. Gas or fluid regulator. Governor-regulator. Heat-regulator. Heat and moisture regulator. Lamp-regulator. Pressure-regulator. Sewing-machine-tension regulator. Steam-engine regulator. Watch-regulator. Windmill-regulator. | | | | | | | |
| Rein and whip holder | J. Johnston | 212,231 | Feb. 11, 1879 | 470 | 130 | 15 | 188 |
| Rein, Check | H. W. Wilson, G. J. Birnbaum, and O. Hanks. | 213,485 | Mar. 18, 1879 | 812 | 229 | 15 | 418 |
| Rein, Elastic driving | B. A. Davis | 222,468 | Dec. 9, 1879 | 412 | 116 | 16 | 1074 |
| Rein guide, Check | J. K. P. Pine | 215,157 | May 6, 1879 | 204 | 58 | 15 | 727 |
| Rein guide for bridles, Check | B. A. Dennis | 214,554 | Apr. 22, 1879 | 995 | 280 | 15 | 624 |
| Rein-holder | C. F. Harvey | 221,060 | Oct. 28, 1879 | 1007 | 267 | 16 | 794 |
| Rein-holder | T. H. Lucas | 222,830 | Dec. 23, 1879 | 839 | 240 | 16 | 1155 |
| Rein-holder | C. M. and E. R. Parker | 213,930 | Apr. 1, 1879 | 212 | 62 | 15 | 500 |
| Rein-holder | S. H. Pope | 214,950 | Apr. 29, 1879 | 1432 | 398 | 15 | 688 |
| Rein-holder | S. J. Woelfly | 222,560 | Dec. 9, 1879 | 510 | 144 | 16 | 1087 |
| Rein-holder for vehicles | L. Grape | 216,394 | June 10, 1879 | 443 | 126 | 15 | 948 |
| Rein-holding device | A. Warth | 222,106 | Nov. 25, 1879 | 1137 | 320 | 16 | 995 |
| Rein-hook | C. I. Calvert | 214,488 | Apr. 22, 1879 | 910 | 257 | 15 | 614 |
| Rein loops, Swivel for bridle | J. B. Hampton | 222,490 | Dec. 9, 1879 | 432 | 123 | 16 | 1077 |
| Rein rest, Driving | G. P. Williams | 221,643 | Nov. 11, 1879 | 579 | 161 | 16 | 902 |
| Rein-rounding machine | H. and J. Sauerbier | 221,868 | Nov. 18, 1879 | 851 | 238 | 16 | 946 |
| Rein-supporter | C. T. Grilley | 217,688 | July 22, 1879 | 881 | 251 | 16 | 146 |
| Reins, Hand-hold for | H. B. Powell | 222,947 | Dec. 23, 1879 | 974 | 280 | 16 | 1175 |
| Relay, Self-adjusting | P. S. Bates | 220,333 | Oct. 7, 1879 | 137 | 37 | 16 | 653 |
| Relishing-machine | S. L. Leach and A. W. Griffin | 218,284 | Aug. 5, 1879 | 199 | 53, 54 | 16 | 247 |
| Rendering apparatus | B. A. Husbands | 222,277 | Dec. 2, 1879 | 181 | 48 | 16 | 1033 |
| Reservoir, Automatic air-tight | M. B. Stafford | 223,075 | Dec. 30, 1879 | 1127 | 319 | 16 | 1295 |
| Respirometer | J. P. Marsh | 220,399 | Oct. 7, 1879 | 211 | 56 | 16 | 664 |
| Reverberating-furnace | H. C. Kriete | 218,543 | Aug. 12, 1879 | 508 | 142 | 16 | 300 |
| Reverberatory furnaces, Regenerator for | S. T. Owens | 214,183 | Apr. 8, 1879 | 526 | 150 | 15 | 546 |
| Revolving screen | J. C. Bowman | 211,694 | Jan. 28, 1879 | 737 | 205 | 15 | 101 |
| Rheostat and transmitter, Carbon | J. E. Watson | 219,544 | Sept. 9, 1879 | 551 | 154 | 16 | 491 |
| Rheostat, Electrical | J. Butler | 217,331 | July 8, 1879 | 452 | 132 | 16 | 70 |
| Ribbon-block | F. J. Austin | 214,482 | Apr. 22, 1879 | 903 | 255 | 15 | 613 |
| Ribbon clasp or clip | C. C. G. Hubert | 215,747 | May 27, 1879 | 892 | 261 | 15 | 839 |
| Ribbon-holder | I. B. Millner | 218,998 | Aug. 26, 1879 | 1047 | 296 | 16 | 392 |
| Rice-hulling machine | E. Totman | 216,633 | June 17, 1879 | 711 | 203 | 15 | 993 |
| Ring: | | | | | | | |
| *See* Ear-ring. Finger-ring. Hog-ring. Key-ring. Lap-ring. Napkin-ring. Packing-ring. Saddle-girth ring. Scarf-ring. Spinning-ring. Suspension-ring. Umbrella-notch ring. | | | | | | | |
| Rivet | M. Bray | 216,719 | June 24, 1879 | 819 | 234 | 15 | 1017 |
| Rivet | J. B. Cornell | 221,447 | Nov. 11, 1879 | 358 | 98 | 16 | 870 |
| Rivet, Tubular | B. L D'Aubigne | 215,889 | May 27, 1879 | 1056 | 308 | 15 | 860 |
| Roach-trap | J. Herschman | 222,134 | Dec. 2, 1879 | 19 | 6 | 16 | 1011 |
| Road-engine | H. H. Bridenthal, jr | 212,889 | Mar. 4, 1879 | 137 | 39 | 15 | 314 |
| Road-engine | F. E. Culver | 212,839 | Mar. 4, 1879 | 67 | 20 | 15 | 306 |
| Road-engine | S. S. Hanks | 217,941 | July 29, 1879 | 1164 | 333, 334 | 16 | 190 |
| Road-engine | W. T. Hatch | 220,612 | Oct. 14, 1879 | 466 | 122 | 16 | 705 |
| Road-engine | H. T. Holbrook and R. H. Peeler | 212,226 | Feb. 11, 1879 | 464 | 128 | 15 | 188 |
| Roads and tracks, Machine for leveling and sweeping | A. H. Moeers | 222,362 | Dec. 9, 1879 | 280 | 78 | 16 | 1057 |
| Roads, Wagon-track for | C. H. Matthiessen | 211,173 | Jan. 7, 1879 | 101 | 32 | 15 | 14 |
| Roaster: | | | | | | | |
| *See* Coffee-roaster. Nut-roaster. Ore-roaster. Peanut-roaster. | | | | | | | |
| Roasting and baking pan | M. E. Beasley | 214,084 | Apr. 8, 1879 | 428 | 121 | 15 | 533 |
| Rock and coal drilling machine | T. E. Morpeth | 216,437 | June 10, 1879 | 493 | 141 | 15 | 955 |
| Rock-crusher | E. Coleman | 222,670 | Dec. 16, 1879 | 661 | 189 | 16 | 1119 |
| Rock-drill | U. Cummings | 215,101 | May 6, 1879 | 131 | 39 | 15 | 719 |
| Rock-drill | G. M. Githens | 212,598 | Feb. 25, 1879 | 932 | 257 | 15 | 261 |
| Rock-drill | J. B. Johnson | 213,663 | Mar. 25, 1879 | 1021 | 290 | 15 | 453 |
| Rock-drill | E. J. Williams | 221,646 | Nov. 11, 1879 | 581 | 162 | 16 | 902 |
| Rock-drills, Sliding-valve for | T. J. Murphy | 215,152 | May 6, 1879 | 200 | 57 | 15 | 726 |
| Rock-drilling apparatus | H. Richmann | 214,704 | Apr. 22, 1879 | 1149 | 324 | 15 | 644 |
| Rocker for furniture, Platform | A. Hentshel | 222,398 | Dec. 9, 1879 | 318 | 89 | 16 | 1063 |
| Rocket | C. Morris | 218,394 | Aug. 12, 1879 | 331 | 91 | 16 | 276 |
| Rocking-chair | A. C. Brittan | 222,862 | Dec. 23, 1879 | 880 | 253 | 16 | 1161 |
| Rocking-chair | W. H. Haman | 213,192 | Mar. 11, 1879 | 505 | 140 | 15 | 370 |
| Rocking-chair | J. W. Hamburger | 212,461 | Feb. 18, 1879 | 755 | 208 | 15 | 229 |
| Rocking-chair | F. Herrmann | 215,519 | May 20, 1879 | 640 | 186 | 15 | 798 |
| Rocking-chair | W. Liesenbein | 217,625 | July 15, 1879 | 787 | 224 | 16 | 124 |
| Rocking-chair | J. Loeh | 220,851 | Oct. 21, 1879 | 746 | 199 | 16 | 750 |

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|---|---|---|---|---|---|---|---|
| Rocking-chair | J. S. Mecard | 216,200 | June 3, 1879 | 200 | 59 | 15 | 910 |
| Rocking-chair | S. Willershausen | 214,477 | Apr. 15, 1879 | 880 | 248 | 15 | 602 |
| Rocking-chair, Adjustable | N. P. Bradish | 212,123 | Feb. 11, 1879 | 351 | 96 | 15 | 173 |
| Rocking-chair, Band-iron | T. H. Loehr | 214,930 | Apr. 29, 1879 | 1416 | 393 | 15 | 685 |
| Rocking-chair fan attachment | M. R. B. Cowan | 217,862 | July 29, 1879 | 1076 | 309 | 16 | 179 |
| Rocking-chair, Folding | I. N. Dann | 215,581 | May 20, 1879 | 713 | 208 | 15 | 807 |
| Rocking-chair, Folding | G. C. Paine | 217,475 | July 15, 1879 | 623 | 178 | 16 | 103 |
| Rocking-chair, Folding | G. C. Paine | 217,476 | July 15, 1879 | 624 | 178 | 16 | 103 |
| Rocking-chair, Platform | F. Mohr | 211,766 | Jan. 28, 1879 | 816 | 229 | 15 | 112 |
| Rocking-chairs, Elastic attachment to | J. Beiersdorf and W. I. Bunker | 214,871 | Apr. 29, 1879 | 1356 | 378 | 15 | 678 |
| Rocking-chairs, Elastic attachment to | H. Wichert | 217,920 | July 29, 1879 | 1142 | 326 | 16 | 187 |
| Rocking-chairs, Spring attachment for | H. Gerrish | 212,845 | Mar. 4, 1879 | 73 | 22 | 15 | 307 |
| Rod: *See* Fishing-rod. Lightning-rod. Locomotive main and coupling rod. | | | | | | | |
| Rod and bolt cutter | S. G. Wilcox | 211,608 | Jan. 21, 1879 | 622 | 175 | 15 | 83 |
| Rods and tubes, Machine for straightening and smoothing. | J. Nuttall | 216,967 | July 1, 1879 | 45 | 15 | 16 | 8 |
| Rods, Machine for splitting the ends of | G. M. Peters | 215,539 | May 20, 1879 | 660 | 192 | 15 | 800 |
| Roll for forming metal articles | G. J. Capewell | 215,718 | May 27, 1879 | 864 | 253 | 15 | 836 |
| Roller: *See* Adjustable roller. Coin-roller. Curtain-roller. Field-roller. Garden-roller. Gate-roller. Land-roller. Log-roller. Printer's roller. Printer's inking-roller. | | | | | | | |
| Roller and pulverizer | G. Meding | 215,954 | May 27, 1879 | 1127 | 326 | 15 | 869 |
| Roller-mill adjustment | A. Nagel and R. Kaemp | 221,600 | Nov. 11, 1879 | 537 | 148 | 16 | 896 |
| Rolling-hoop | H. T. Martin | 211,919 | Feb. 4, 1879 | 113 | 32 | 15 | 140 |
| Rolling-iron | W. D. Eynon and W. Lloyd | 220,818 | Oct. 21, 1879 | 712 | 189 | 16 | 745 |
| Rolling-machines, Reeling mechanism for rod | C. H. Morgan | 220,300 | Oct. 7, 1879 | 101 | 27 | 16 | 649 |
| Rolling-mill | R. M. Bassett | 222,373 | Dec. 9, 1879 | 290 | 81 | 16 | 1059 |
| Rolling mill | D. N. Jones | 217,537 | July 15, 1879 | 687 | 196 | 16 | 112 |
| Rolling-mill | J. N. Lauth | 219,277 | Sept. 2, 1879 | 252 | 71, 72 | 16 | 444 |
| Rolling-mill | A. Mechwart | 216,750 | June 24, 1879 | 858 | 243 | 15 | 1021 |
| Rolling-mill | C. H. Morgan and H. A. Young | 214,578 | Apr. 22, 1879 | 1019 | 287 | 15 | 627 |
| Rolling-mill | S. P. M. Tasker | 219,833 | Sept. 23, 1879 | 902 | 248 | 16 | 555 |
| Rolling-mill | W. H. and J. Whyte | 216,073 | June 3, 1879 | 73 | 21 | 15 | 894 |
| Rolling-mill | S. R. Wilmot | 222,973 | Dec. 23, 1879 | 1004 | 288 | 16 | 1179 |
| Rolling-mill feed device | F. J. Slade | 222,845 | Dec. 23, 1879 | 860 | 247 | 16 | 1157 |
| Rolling-mill feeding apparatus | A. L. Holley | 215,360 | May 13, 1879 | 445 | 133 | 15 | 763 |
| Rolling-mill feeding device | A. L. Holley | 215,361 | May 13, 1879 | 446 | 133 | 15 | 763 |
| Rolling mill, Metal | J. H. Swett | 217,653 | July 15, 1879 | 817 | 233, 234 | 16 | 128 |
| Rolling mill, Wire | C. Roy | 211,672 | Jan. 28, 1879 | 713 | 199 | 15 | 98 |
| Rolling mills, Guide for wire-rod | C. H. Morgan | 220,033 | Sept. 30, 1879 | 1123 | 310 | 16 | 594 |
| Rolling-pin | P. Cromer | 220,702 | Oct. 21, 1879 | 575 | 153 | 16 | 728 |
| Rolling-pin | J. L. Scarborough | 220,669 | Oct. 14, 1879 | 529 | 140 | 16 | 713 |
| Rolling pointed metal articles, Machine for | M. Loughran | 212,241 | Feb. 11, 1879 | 480 | 133 | 15 | 190 |
| Rolling wrought-metal tires for traction-wheels, Machine for. | F. L. Fairchild | 223,122 | Dec. 30, 1879 | 1184 | 334 | 16 | 1213 |
| Roof, Composite | C. M. Warren | 217,916 | July 29, 1879 | 1137 | 325 | 16 | 187 |
| Roof, Composite | C. M. Warren | 217,917 | July 29, 1879 | 1138 | 325 | 16 | 187 |
| Roof for sheltering grain, Portable | J. R. Davis | 216,606 | June 17, 1879 | 686 | 196 | 15 | 989 |
| Roof, Wooden | A. J. Conner | 213,740 | Apr. 1, 1879 | 11 | 4 | 15 | 474 |
| Roofs and vessels and for other purposes, Compound for covering. | J. Wettendorff | 216,547 | June 17, 1879 | 615 | ..... | 15 | 980 |
| Roofs, Construction of | J. Boyd | 213,035 | Mar. 11, 1879 | 320 | 89 | 15 | 346 |
| Roofing | B. Lohse | 221,080 | Oct. 28, 1879 | 1029 | 273 | 16 | 796 |
| Roofing | W. H. Rankin | 211,669 | Jan. 28, 1879 | 710 | ..... | 15 | 98 |
| Roofing, Composite | P. A. Bell | 221,502 | Nov. 11, 1879 | 428 | ..... | 16 | 879 |
| Roofing, Composition | J. B. Bowen | 214,091 | Apr. 8, 1879 | 436 | ..... | 15 | 534 |
| Roofing compound | U. Baker | 222,437 | Dec. 9, 1879 | 363 | ..... | 16 | 1068 |
| Roofing, Iron | G. B. Thomas | 218,085 | July 29, 1879 | 1318 | 378 | 16 | 210 |
| Roofing, Metal | R. Jones and L. S. Bonbrack | 219,954 | Sept. 23, 1879 | 1031 | 287 | 16 | 573 |
| Roofing, Metallic | S. M. Dalzell | 211,973 | Feb. 4, 1879 | 172 | 49 | 15 | 148 |
| Roofing, Metallic | L. L. Sagendorph | 222,842 | Dec. 23, 1879 | 853 | 245 | 16 | 1157 |
| Roofing, Metallic | L. Struble | 215,989 | May 27, 1879 | 1155 | 336 | 15 | 873 |
| Roofing-plates, Machine for bending sheet-metal | J. F. Currier | 216,511 | June 17, 1879 | 580 | 165 | 15 | 975 |
| Roofing-plates, Metallic | J. F. Currier | 214,027 | Apr. 8, 1879 | 339 | 97 | 15 | 525 |
| Roofing, Sheet-metal | J. T. Hyndman | 211,910 | Feb. 4, 1879 | 101 | 29 | 15 | 138 |
| Roofing, Sheet-metal | R. F. Slaughter | 220,181 | Sept. 30, 1879 | 1306 | 360 | 16 | 619 |
| Roofing-tile | F. Waters | 219,044 | Aug. 26, 1879 | 1099 | 308 | 16 | 398 |
| Root-cutting machine | J. W. Weymouth | 220,894 | Oct. 21, 1879 | 791 | 211, 212 | 16 | 756 |
| Root and stump puller | J. G. Trump | 313,473 | Mar. 18, 1879 | 800 | 226 | 15 | 417 |
| Rope-clamping hook | J. Robertson | 221,361 | Nov. 4, 1879 | 251 | 68 | 16 | 847 |
| Rope-coils, Rack for holding | W. Scharnweber | 216,221 | June 3, 1879 | 222 | 66 | 15 | 913 |
| Rope-coupling, Metal | P. Brady | 222,125 | Dec. 2, 1879 | 9 | 3 | 16 | 1010 |
| Rope-fastening | W. B. Brooks and J. Braswell | 216,143 | June 3, 1879 | 141 | 42 | 15 | 903 |
| Rope-reel | C. N. Cass | 221,395 | Nov. 11, 1879 | 302 | 83 | 16 | 863 |
| Rope-reel | A. C. Mason | 216,485 | June 10, 1879 | 541 | 155 | 15 | 961 |
| Rope-sheave | T. M. Righter | 214,454 | Apr. 15, 1879 | 859 | 242 | 15 | 599 |
| Rope-spinning machinery | J. C. Todd | 218,797 | Aug. 19, 1879 | 794 | 226 | 16 | 348 |
| Ropes, Coil-holder for | W. S. Hanford, 2d | 215,609 | May 20, 1879 | 744 | 216 | 15 | 811 |
| Ropes on shafts, &c., Device for preventing over-winding of. | H. C. Harrison | 211,155 | Jan. 7, 1879 | 87 | 26 | 15 | 12 |
| Ropeway, Elevated safety | J. S. Pierson | 220,492 | Oct. 14, 1879 | 322 | 85 | 16 | 687 |
| Rose and escutcheon, Combined | H. Wadsworth | 211,808 | Jan. 28, 1879 | 869 | 243 | 15 | 118 |
| Rotary cutters for moldings, Manufacture of | L. Wenchel | 217,182 | July 1, 1879 | 278 | 82 | 16 | 39 |
| Rotary engine | D. Abrey | 214,604 | Apr. 22, 1879 | 1049 | 294, 295 | 15 | 631 |
| Rotary engine | R. Bazin | 211,545 | Jan. 21, 1879 | 547 | 155 | 15 | 73 |
| Rotary engine | R. Campbell | 215,717 | May 27, 1879 | 863 | 253 | 15 | 836 |

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|---|---|---|---|---|---|---|---|
| Rotary engine | S. B. Davis | 214, 372 | Apr. 15, 1879 | 776 | 218, 219 | 15 | 588 |
| Rotary engine | W. N. Fort | 216, 170 | June 3, 1879 | 171 | 51 | 15 | 906 |
| Rotary engine | H. Graf | 218, 874 | Aug. 26, 1879 | 918 | 257, 258 | 16 | 374 |
| Rotary engine | G. W. Greene | 213, 562 | Mar. 25, 1879 | 911 | 260 | 15 | 439 |
| Rotary engine | A. B. Haughey | 212, 463 | Feb. 18, 1879 | 756 | 208 | 15 | 229 |
| Rotary engine | J. Henderson, jr | 212, 140 | Feb. 11, 1879 | 372 | 101 | 15 | 176 |
| Rotary engine | A. Lesperance | 216, 280 | June 10, 1879 | 311 | 92 | 15 | 931 |
| Rotary engine | B. E. Letang | 220, 246 | Oct. 7, 1879 | 42 | 11 | 16 | 640 |
| Rotary engine | J. C. Miller | 219, 108 | Sept. 2, 1879 | 54 | 18 | 16 | 419 |
| Rotary engine | G. Murray, jr | 221, 599 | Nov. 11, 1879 | 536 | 148 | 16 | 896 |
| Rotary engine | A. Noteman | 216, 342 | June 10, 1879 | 389 | 110, 111 | 15 | 941 |
| Rotary engine | F. Pernot | 219, 365 | Sept. 9, 1879 | 365 | 103 | 16 | 466 |
| Rotary engine | R. Pickens | 212, 622 | Feb. 25, 1879 | 957 | 264 | 15 | 264 |
| Rotary engine | T. B. Pyron | 214, 702 | Feb. 22, 1879 | 1147 | 323 | 15 | 643 |
| Rotary engine | G. G. Wright | 213, 726 | Mar. 25, 1879 | 1085 | 308 | 15 | 462 |
| Rotary engine | G. C. Yarborough | 212, 165 | Feb. 11, 1879 | 396 | 108 | 15 | 179 |
| Rotary engine and pump | S., D., and J. Barrow | 222, 439 | Dec. 9, 1879 | 365 | 103, 104 | 16 | 1068 |
| Rotary engine and pump | A. Vacherot | 213, 476 | Mar 18, 1879 | 802 | 226, 227 | 15 | 417 |
| Rotary steam-engine | H. L. Berger | 215, 314 | May 13, 1879 | 406 | 120 | 15 | 757 |
| Rotary steam-engine | R. Schneckenburger | 219, 984 | Sept. 23, 1879 | 1061 | 294 | 16 | 577 |
| Rotary steam-engine | J. H. Darragh | 213, 096 | Mar. 11, 1879 | 398 | 110 | 15 | 356 |
| Rotative-furnace lining | C. W. Siemens | 213, 353 | Mar. 18, 1879 | 691 | 193 | 15 | 402 |
| Rowing apparatus | G. H. Felt | 213, 557 | Mar. 25, 1879 | 905 | 259 | 15 | 438 |
| Rowing-exercise machine | J. W. Heenan | 218, 736 | Aug. 19, 1879 | 730 | 207 | 16 | 339 |
| Rowing-machine fliers | G. J. Hazard | 213, 196 | Mar. 11. 1879 | 508 | 141 | 15 | 370 |
| Rowlock | T. Dowling | 221, 914 | Nov. 25, 1879 | 920 | 258 | 16 | 965 |
| Rowlock | J. Finn | 211, 899 | Feb. 4, 1879 | 87 | 25 | 15 | 137 |
| Rowlock | G. W. McKenzie | 216, 876 | June 24, 1879 | 998 | 283 | 15 | 1039 |
| Rowlock | B. Sniffin | 219, 775 | Sept. 16, 1879 | 818 | 226 | 16 | 535 |
| Rowlock | G. Williams | 220, 104 | Sept. 30, 1879 | 1218 | 335 | 16 | 607 |
| Rowlock | I. H. Wright | 213, 125 | Mar. 11, 1879 | 428 | 118 | 15 | 360 |
| Rubber articles, India | G. Woffenden | 213, 601 | Mar. 25, 1879 | 951 | ..... | 15 | 444 |
| Rubber articles, Mold for | J. Stepp | 212, 633 | Feb. 25, 1879 | 967 | 267 | 15 | 265 |
| Rubber articles to imitate bronze, &c., Manufacture of. | J. Schœnfeld and A. R. Guilmet, sr. | 211, 795 | Jan. 28, 1879 | 855 | ..... | 15 | 116 |
| Rubber, Coating metallic articles with vulcanizable. | I. Adams, jr | 215, 034 | May 6, 1879 | 56 | ..... | 15 | 709 |
| Rubber compound, Hard | D. F. Connell and E. Fagan | 216, 153 | June 3, 1879 | 151 | 45 | 15 | 904 |
| Rubber, Covering wooden and other articles with India. | J. Stepp | 219, 033 | Aug. 26, 1879 | 1085 | .... | 16 | 396 |
| Rubber-cutting machine | F. Baylies | 215, 556 | May 20, 1879 | 680 | 199, 200 | 15 | 803 |
| Rubber for packing, &c., Sheet | J. Beardmore | 214, 083 | Apr. 8, 1879 | 427 | 120 | 15 | 533 |
| Rubber goods, Apparatus for and method of seaming. | W. B. Carr | 222, 345 | Dec. 9, 1879 | 264 | 73 | 16 | 1055 |
| Rubber handles for cutlery, &c., Manufacture of hard | J. J. C. Smith | 219, 415 | Sept. 9, 1879 | 424 | 118 | 16 | 473 |
| Rubber, Lining tubular fabrics with | C. P. Marshall | 212, 026 | Feb. 4, 1879 | 228 | 64 | 15 | 155 |
| Rubber, Machine for grinding and doughing India | J. Heald | 216, 183 | June 3, 1879 | 183 | 54 | 15 | 908 |
| Rubber mat | E. L. Perry | 212, 497 | Feb. 18, 1879 | 791 | 219 | 15 | 234 |
| Rubber roller for clothes-wringers and other purposes, Vulcanized. | G. H. Hood | 213, 110 | Mar. 11, 1879 | 413 | ..... | 15 | 358 |
| Rubber threads or caoutchouc, Treating vulcanized India. | J. W. Wattles | 218, 842 | Aug. 26, 1879 | 884 | .... | 16 | 369 |
| Rubber trimmings, Finishing hard | M. Mattson | 213, 581 | Mar. 25, 1879 | 931 | 264 | 15 | 441 |
| Ruching for decorating rooms | G. W. Kingsley | 216, 278 | June 10, 1879 | 309 | 91 | 15 | 931 |
| Rug | G. Crompton | 219, 074 | Sept. 2, 1879 | 19 | 7 | 16 | 415 |
| Rule, Bias | F. H. White | 217, 967 | July 29, 1879 | 1190 | 341 | 16 | 194 |
| Rule-joint, Carpenter's | E. H. Bowers | 211, 455 | Jan. 21, 1879 | 450 | 127 | 15 | 61 |
| Ruler | T. B. Mosher | 218, 764 | Aug. 19, 1879 | 761 | 216 | 16 | 343 |
| Ruler, Parallel | F. R. Honey | 221, 559 | Nov. 11, 1879 | 496 | 136 | 16 | 889 |
| Ruling machine, Paper | E. W. Blackhall | 222, 174 | Dec. 2, 1879 | 65 | 15 | 16 | 1015 |
| Ruling machine, Paper | J. C. Forman | 213, 042 | Mar. 11, 1879 | 328 | 92 | 15 | 347 |
| Ruling machine, Paper | E. Gouptel | 214, 033 | Apr. 8, 1879 | 345 | 99, 100 | 15 | 526 |
| S. | | | | | | | |
| Saccharine and other liquids, Apparatus for concentrating and crystallizing. | M. M. Monsanto and T. Gannon. | 217, 702 | July 22, 1879 | 894 | 255 | 16 | 148 |
| Saccharine matter from vegetable substances, Extracting. | E. T. Gennert | 214, 559 | Apr. 22, 1879 | 1001 | 281 | 15 | 624 |
| Sack | J. H. Titus | 212, 071 | Feb. 4, 1879 | 286 | 78 | 15 | 161 |
| Sad and fluting iron, Combined | H. E. Crocker | 214, 370 | Apr. 15, 1879 | 774 | 217, 218 | 15 | 587 |
| Sad-iron | J. Ashton and A. Hayward | 212, 643 | Feb. 25, 1879 | 976 | 270 | 15 | 267 |
| Sad-iron | J. Braun | 213, 317 | Mar. 18, 1879 | 650 | 184 | 15 | 397 |
| Sad-iron | J. E. Donovan | 219, 925 | Sept. 23, 1879 | 999 | 278 | 16 | 569 |
| Sad-iron | E. Emrich | 211, 979 | Feb. 4, 1879 | 179 | 51 | 15 | 149 |
| Sad-iron | C. P. T. La Roche | 222, 355 | Dec. 9, 1879 | 274 | 76 | 16 | 1057 |
| Sad-iron | G. Petit | 221, 935 | Nov. 25, 1879 | 946 | 266 | 16 | 968 |
| Sad-iron | J. B. Stamour and E. V. Machette, jr. | 215, 545 | May 20, 1879 | 666 | 194 | 15 | 801 |
| Sad-iron | J. W. Williams and N. E. Warren | 215, 781 | May 27, 1879 | 931 | 273, 274 | 15 | 845 |
| Sad-iron and fluting-roller, Combined | C. J. Kramer | 215, 941 | May 27, 1879 | 1113 | 322 | 15 | 867 |
| Sad-iron heater | H. H. Brown | 216, 936 | July 1, 1879 | 10 | 3 | 16 | 4 |
| Sad-iron heater | J. F. Curtice | 223, 116 | Dec. 30, 1879 | 1179 | 332 | 16 | 1212 |
| Sad-iron holder | A. Failor | 212, 363 | Feb. 18, 1879 | 627 | 176 | 15 | 212 |
| Sad-iron holder | P. Jung | 211, 912 | Feb. 4, 1879 | 104 | 30 | 15 | 139 |
| Saddle, Cart | E. A. Franks | 213, 887 | Apr. 1, 1879 | 172 | 50 | 15 | 494 |
| Saddle-girth ring | A. Jehnke and J. Swank | 223, 141 | Dec. 30, 1879 | 1205 | 340 | 16 | 1216 |
| Saddle, Harness | P. Burns | 214, 020 | Apr. 8, 1879 | 332 | 95 | 15 | 524 |
| Saddle, Harness | E. R. Cahoono | 220, 273 | Oct. 7, 1879 | 69 | 19 | 16 | 644 |
| Saddle, Harness | A. Gilliam | 216, 393 | June 10, 1879 | 442 | 126 | 15 | 948 |

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| Saddle, Harness | J. M. Gwinnell | 223, 042 | Dec. 30, 1879 | 1086 | 309 | 16 | 1200 |
| Saddle, Harness | B. J. Hartman | 214, 909 | Apr. 29, 1879 | 1396 | 388 | 15 | 683 |
| Saddle, Harness | L. C. Pepper | 214, 948 | Apr. 29, 1879 | 1431 | 398 | 15 | 688 |
| Saddle, Harness | W. S. Webster | 217, 179 | July 1, 1879 | 276 | 82 | 16 | 38 |
| Saddle, Harness | J. R. Young | 216, 251 | June 3, 1879 | 254 | 76 | 15 | 917 |
| Saddle-hook | D. L. Miller | 212, 035 | Feb. 4, 1879 | 236 | 66 | 15 | 156 |
| Saddle pad, Harness | J. F. Knorr | 216, 419 | June 10, 1879 | 472 | 135 | 15 | 951 |
| Saddle pads, Fastener for harness | T. Buswell | 213, 870 | Apr. 1, 1879 | 153 | 45 | 15 | 492 |
| Saddle, Riding | J. B. Gathright | 219, 575 | Sept. 16, 1879 | 594 | 166 | 16 | 504 |
| Saddle, Riding | W. M. Herring | 213, 418 | Mar. 18, 1879 | 751 | 211 | 15 | 410 |
| Saddle-tree | E. B. Light | 222, 514 | Dec. 9, 1879 | 455 | 130 | 16 | 1080 |
| Saddle-tree fork | C. D. Moody | 219, 408 | Sept. 9, 1879 | 415 | 115 | 16 | 472 |
| Saddle-tree fork, Iron | J. M. Wood and W. N. Bellah | 219, 055 | Aug. 26, 1879 | 1110 | 312 | 16 | 400 |
| Saddle tree, Gig | J. B. Gathright | 215, 734 | May 27, 1879 | 882 | 258 | 15 | 838 |
| Saddle tree, Harness | G. W. Graves | 214, 772 | Apr. 29, 1879 | 1243 | 348 | 15 | 663 |
| Saddle tree, Side | J. R. Gathright | 222, 890 | Dec. 23, 1879 | 907 | 262 | 16 | 1165 |
| Saddles, Girth-iron for | H. H. Heiser | 212, 693 | Feb. 25, 1879 | 1021 | 283 | 15 | 273 |
| Safe | E. Stockwell | 222, 428 | Dec. 9, 1879 | 354 | 100 | 16 | 1067 |
| Safe and vault doors, Locking mechanism for | S. M. Lillie | 212, 101 | Feb. 11, 1879 | 324 | 90 | 15 | 169 |
| Safe bolt-works, Device for operating | E. W. Fowler | 219, 084 | Sept. 2, 1879 | 30 | 9 | 16 | 416 |
| Safe-doors, Device for opening | C. F. Gessert | 216, 843 | June 24, 1879 | 963 | 274, 275 | 15 | 1035 |
| Safe, Fire and burglar proof | S. A. Wilkins | 213, 483 | Mar. 18, 1879 | 810 | 229 | 15 | 418 |
| Safe, Fire-proof | J. Farrel | 211, 896 | Feb. 4, 1879 | 84 | 24 | 15 | 136 |
| Safe, &c., lock | J. L. Hall | 213, 566 | Mar. 25, 1879 | 915 | 261 | 15 | 439 |
| Safe, Provision | S. Inman | 215, 362 | May 13, 1879 | 447 | 134 | 15 | 763 |
| Safe, Provision | M. Lee | 220, 245 | Oct. 7, 1879 | 42 | 10 | 16 | 640 |
| Safe-spindle | J. D. Bruner | 218, 704 | Aug. 19, 1879 | 695 | 198 | 16 | 334 |
| Safes, Device for locking the spindles of | J. L. Hall | 211, 995 | Feb. 4, 1879 | 195 | 55, 56 | 15 | 151 |
| Safety-bolt | W. Brenton | 215, 503 | May 20, 1879 | 622 | 182 | 15 | 795 |
| Safety-elevator | R. H. Hill | 219, 262 | Sept. 2, 1879 | 238 | 68 | 16 | 442 |
| Safety-elevator | A. D. Hoffman | 222, 702 | Dec. 16, 1879 | 692 | 199 | 16 | 1124 |
| Safety-hook | H. Blakeman | 219, 677 | Sept. 16, 1879 | 717 | 199 | 16 | 520 |
| Safety-pin | B. J. Greely | 212, 216 | Feb. 11, 1879 | 456 | 126 | 15 | 187 |
| Safety-pin | P. Miles | 216, 337 | June 10, 1879 | 384 | 109 | 15 | 940 |
| Safety-pin | A. M. Smith | 218, 198 | Aug. 5, 1879 | 109 | 29 | 16 | 235 |
| Safety-pin | H. H. Thayer | 213, 007 | Mar. 4, 1879 | 277 | 77 | 15 | 332 |
| Sails, Reefing and furling | H. Flowers | 222, 990 | Dec. 30, 1879 | 1028 | 294 | 16 | 1192 |
| Sails, Reefing fore-and-aft | J. L. Dickenson | 211, 712 | Jan. 28, 1879 | 753 | 211 | 15 | 103 |
| Sails, Rigging for fore-and-aft | H. H. Stetson | 219, 831 | Sept. 23, 1879 | 900 | 248 | 16 | 555 |
| Salt, Apparatus for the manufacture of | A. H. Crawford | 214, 759 | Apr. 29, 1879 | 1227 | 344 | 15 | 661 |
| Salt-cellar | S. H. Folsom | 219, 854 | Sept. 23, 1879 | 919 | 254 | 16 | 558 |
| Salt-cellar | W. Sellers | 212, 518 | Feb. 18, 1879 | 826 | 229 | 15 | 239 |
| Salt-cruet | J. Putnam | 221, 099 | Oct. 28, 1879 | 1050 | 278 | 16 | 799 |
| Salt-dredge | W. E. Hawkins | 221, 061 | Oct. 28, 1879 | 1008 | 268 | 16 | 794 |
| Salt-drying apparatus | L. Bemelmans | 212, 648 | Feb. 25, 1879 | 981 | 272 | 15 | 267 |
| Salt from its solution, Process and apparatus for separating common. | L. Bemelmans | 213, 381 | Mar. 18, 1879 | 714 | 200 | 15 | 406 |
| Salt, Process and apparatus for the manufacture of. | W. W. Elmer | 217, 684 | July 22, 1879 | 875 | 249 | 16 | 145 |
| Salt, Process and apparatus for washing common | L. Bemelmans | 212, 649 | Feb. 25, 1879 | 981 | 272 | 15 | 267 |
| Salve | J. W. Osborne | 219, 364 | Sept. 9, 1879 | 364 | ..... | 16 | 466 |
| Sample-box | F. F. Atkinson | 221, 994 | Nov. 25, 1879 | 1013 | 283, 284 | 16 | 977 |
| Sample-box | C. E. Cochrane | 216, 081 | June 3, 1879 | 81 | 23 | 15 | 895 |
| Sample-box | S. G. Howe | 219, 357 | Sept. 9, 1879 | 353 | 100 | 16 | 465 |
| Sample-case | M. R. Davis | 214, 892 | Apr. 29, 1879 | 1379 | 383 | 15 | 680 |
| Sample-case | C. Folsom | 217, 933 | July 29, 1879 | 1155 | 331 | 16 | 189 |
| Sample-exhibitor | A. M. Coburn | 220, 125 | Sept. 30, 1879 | 1241 | 341 | 16 | 610 |
| Sand-guard | R. Schnell | 214, 459 | Apr. 15, 1879 | 863 | 243 | 15 | 600 |
| Sand-molding machine | S. J. Adams | 211, 488 | Jan. 21, 1879 | 483 | 136, 137 | 15 | 65 |
| Sand-paper roll | O. Gilmore | 212, 371 | Feb. 18, 1879 | 638 | 179 | 15 | 213 |
| Sand-paper roll | N. M. Seelye | 220, 993 | Oct. 28, 1879 | 930 | 248 | 16 | 783 |
| Sand-papering machine | B. S. Atwood | 211, 543 | Jan. 21, 1879 | 545 | 154 | 15 | 73 |
| Sand-papering machine | W. Carlisle | 213, 807 | Apr. 1, 1879 | 82 | 26 | 15 | 483 |
| Sand-washing machine | T. R., E. R., and W. J. Williams | 219, 332 | Sept. 2, 1879 | 317 | 89 | 16 | 452 |
| Sap-spout | T. G. Hintz | 215, 220 | May 13, 1879 | 289 | 85 | 15 | 742 |
| Sash and bead fastener, Window | L. Fisher | 216, 784 | June 24, 1879 | 895 | 254, 255 | 15 | 1027 |
| Sash and window-frame | C. H. Roloson | 219, 022 | Aug. 26, 1879 | 1074 | 303 | 16 | 395 |
| Sash-balance | J. W. Devenny | 211, 974 | Feb. 4, 1879 | 172 | 50 | 15 | 148 |
| Sash-balance | S. J. Keim | 220, 976 | Oct. 28, 1879 | 906 | 242 | 16 | 780 |
| Sash-balance | W. Milner | 221, 247 | Nov. 4, 1879 | 118 | 32 | 16 | 829 |
| Sash-balance | F. Munn | 215, 281 | May 13, 1879 | 364 | 105 | 15 | 752 |
| Sash bolt, Window | J. F. Gilliland | 212, 210 | Feb. 11, 1879 | 452 | 124 | 15 | 186 |
| Sash-cord guide | F. S. Clarkson | 216, 940 | July 1, 1879 | 14 | 4 | 16 | 4 |
| Sash-cord guide | F. B. Sloan and F. S. Clarkson | 216, 767 | June 24, 1879 | 877 | 249 | 15 | 1024 |
| Sash-cord guide | T. Van Wagoner | 222, 967 | Dec. 23, 1879 | 997 | 286 | 16 | 1178 |
| Sash-fastener | A. A. Armstrong | 217, 313 | July 8, 1879 | 432 | 127 | 16 | 67 |
| Sash-fastener | J. Benson | 212, 431 | Feb. 18, 1879 | 713 | 197 | 15 | 223 |
| Sash-fastener | J. Broughton | 220, 335 | Oct. 7, 1879 | 138 | 38 | 16 | 654 |
| Sash-fastener | G. W. Cary | 212, 354 | Feb. 18, 1879 | 619 | 174 | 15 | 211 |
| Sash-fastener | S. L. Chase | 211, 456 | Jan. 21, 1879 | 451 | 127 | 15 | 61 |
| Sash-fastener | F. S. Dains | 217, 202 | July 8, 1879 | 319 | 94 | 16 | 52 |
| Sash-fastener | F. R. Glascock | 215, 911 | May 27, 1879 | 1082 | 314 | 15 | 863 |
| Sash-fastener | S. P. Jackson | 211, 513 | Jan. 21, 1879 | 516 | 145 | 15 | 69 |
| Sash-fastener | E. Kempshall | 211, 913 | Feb. 4, 1879 | 105 | 30 | 15 | 139 |
| Sash-fastener | G. H. Kervin | 211, 334 | Jan. 14, 1879 | 314 | 93 | 15 | 41 |
| Sash-fastener | W. H. King | 212, 015 | Feb. 4, 1879 | 217 | 61 | 15 | 154 |
| Sash-fastener | G. F. Knight | 216, 866 | June 24, 1879 | 990 | 281 | 15 | 1038 |
| Sash-fastener | R. Lee | 221, 967 | Nov. 25, 1879 | 984 | 276 | 16 | 974 |
| Sash-fastener | J. B. Morris | 212, 487 | Feb. 18, 1879 | 787 | 216 | 15 | 232 |
| Sash-fastener | T. Powell | 222, 948 | Dec. 23, 1879 | 975 | 280 | 16 | 1175 |
| Sash-fastener | W. Riker | 222, 602 | Dec. 16, 1879 | 575 | 164 | 16 | 1106 |
| Sash-fastener | A. Q. Ross and A. H. Fortmann | 212, 987 | Mar. 4, 1879 | 254 | 70 | 15 | 329 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Sash-fastener | C. E. Steller | 214,852 | Apr. 29, 1879 | 1340 | 372 | 15 | 675 |
| Sash-fastener | S. Taylor | 217,426 | July 8, 1879 | 554 | 159 | 16 | 82 |
| Sash-fastener | L. P. Treadwell | 212,765 | Feb. 25, 1879 | 1100 | 305 | 15 | 284 |
| Sash-fastener | J. J. Wayne, jr | 220,891 | Oct. 21, 1879 | 789 | 211 | 16 | 756 |
| Sash-fastener | W. Wilson | 220,046 | Sept. 30, 1879 | 1148 | 316 | 16 | 596 |
| Sash-fastener | T. P. Yates | 212,083 | Feb. 4, 1879 | 294 | 80 | 15 | 162 |
| Sash-fastener and burglar-alarm | J. Wilson | 211,288 | Jan. 7, 1879 | 232 | 68 | 15 | 30 |
| Sash-holder | E. Bernhardt | 217,056 | July 1, 1879 | 146 | 43 | 16 | 21 |
| Sash-holder | J. S. Blinn | 217,049 | July 1, 1879 | 136 | 40 | 16 | 20 |
| Sash-holder | H. Leguay and A. F. Vallotton | 221,966 | Nov. 25, 1879 | 983 | 275 | 16 | 974 |
| Sash-holder | C. G. Miller and T. F. Loescher | 219,869 | Sept. 23, 1879 | 934 | 258 | 16 | 560 |
| Sash-holder | O. B. Wilson | 211,204 | Jan. 7, 1879 | 137 | 42 | 15 | 19 |
| Sash-holder | J. B. Yeagley | 218,612 | Aug. 12, 1879 | 580 | 163 | 16 | 310 |
| Sash holder and lock | E. Homrighous | 213,331 | Mar. 18, 1879 | 668 | 188 | 15 | 399 |
| Sash-lock | J. H. Banta | 213,609 | Mar. 25, 1879 | 960 | 272 | 15 | 445 |
| Sash-lock | H. A. Holt | 213,821 | Apr. 1, 1879 | 99 | 30 | 15 | 485 |
| Sash-lock | T. F. Lemassena | 222,919 | Dec. 23, 1879 | 943 | 270 | 16 | 1170 |
| Sash-lock | H. T. Raeke | 217,819 | July 22, 1879 | 1015 | 291 | 16 | 164 |
| Sash, Metallic window | H. A. Streeter | 220,505 | Oct. 14, 1879 | 337 | 89 | 16 | 689 |
| Sash stop and lock | H. A. Crosby and M. W. Thompson. | 220,809 | Oct. 21, 1879 | 703 | 186 | 16 | 744 |
| Sash-supporter | G. W. Shaw | 217,750 | July 22, 1879 | 941 | 270 | 16 | 154 |
| Sash-tightener | F. J. Hoyt | 214,568 | Apr. 22, 1879 | 1009 | 284 | 15 | 625 |
| Sash-weight attachment | F. Egge | 212,136 | Feb. 11, 1879 | 369 | 100 | 15 | 175 |
| Sash, Window | G. H. Padgett | 221,182 | Nov. 4, 1879 | 49 | 13 | 16 | 819 |
| Sauce, Manufacture of solidified | J. A. Liebert | 215,944 | May 27, 1879 | 1116 | ..... | 15 | 867 |
| Sausage-stuffing machine | W. Teamer | 214,472 | Apr. 15, 1879 | 876 | 247 | 15 | 602 |
| Saw | J. A. Robbins and I. C. Bumpus | 211,346 | Jan. 14, 1879 | 325 | 96 | 15 | 42 |
| Saw, Circular | W. S. Hill | 214,389 | Apr. 15, 1879 | 796 | 223 | 15 | 590 |
| Saw, Circular | W. S. Hill | 214,390 | Apr. 15, 1879 | 796 | 223 | 15 | 591 |
| Saw, Circular | J. A. Miller | 212,813 | Mar. 4, 1879 | 36 | 12 | 15 | 302 |
| Saw, Circular | W. P. Miller | 213,439 | Mar. 18, 1879 | 769 | 217 | 15 | 413 |
| Saw, Circular | G. Schleicher | 212,516 | Feb. 18, 1879 | 825 | 229 | 15 | 239 |
| Saw, Circular | T. Tripp | 217,305 | July 8, 1879 | 424 | 125 | 16 | 66 |
| Saw, Circular | D. W. Weaver | 220,008 | Sept. 23, 1879 | 1090 | 302 | 16 | 581 |
| Saw-clamp | M. J. Barrow | 220,694 | Oct. 21, 1879 | 568 | 151 | 16 | 727 |
| Saw-clamp | S. Petty | 221,470 | Nov. 11, 1879 | 389 | 107 | 16 | 874 |
| Saw-clamp and filing-guide | E. R. Parker | 219,650 | Sept. 16, 1879 | 686 | 190, 191 | 16 | 516 |
| Saw cleaner, Cotton-gin | W. W. Brigg | 220,957 | Oct. 28, 1879 | 886 | 237 | 16 | 777 |
| Saw cleaner, Cotton-gin | R. S. Munger | 217,813 | July 22, 1879 | 1007 | 288 | 16 | 163 |
| Saw-cleaning attachment for cotton-gins | G. H. Mulkey | 215,654 | May 20, 1879 | 790 | 231 | 15 | 818 |
| Saw, Cotton-gin | J. E. Carver | 213,169 | Mar. 11, 1879 | 485 | 134 | 15 | 367 |
| Saw, Drag | J. Augspurger and J. Neimeyer | 220,565 | Oct. 14, 1879 | 414 | 108 | 16 | 699 |
| Saw, Drag | W. S. Brewer | 216,374 | June 10, 1879 | 424 | 121 | 15 | 945 |
| Saw, Drag | T. B. Fagan | 216,663 | June 17, 1879 | 742 | 212 | 15 | 997 |
| Saw, Drag | J. Showalter | 217,416 | July 8, 1879 | 542 | 155 | 16 | 80 |
| Saw, Drag | W. H. Smyth | 212,278 | Feb. 11, 1879 | 521 | 145 | 15 | 195 |
| Saw-dust conveyer | F. Martin, jr | 218,757 | Aug. 19, 1879 | 752 | 214 | 16 | 342 |
| Saw-filing machine | R. W. Basom | 218,656 | Aug. 19, 1879 | 645 | 182 | 16 | 327 |
| Saw-filing machine | W. M. Brown | 214,878 | Apr. 29, 1879 | 1363 | 379 | 15 | 678 |
| Saw-filing machine | W. H. Howe | 212,699 | Feb. 25, 1879 | 1026 | 284, 285 | 15 | 273 |
| Saw-filing machine | G. R. Huff | 219,266 | Sept. 2, 1879 | 242 | 68 | 16 | 442 |
| Saw-filing machine | T. L. Nanney | 213,925 | Apr. 1, 1879 | 207 | 60, 61 | 15 | 499 |
| Saw, Fire-wood drag | T. B. Fagan and M. W. Henry | 215,109 | May 6, 1879 | 152 | 43 | 15 | 720 |
| Saw-frame | J. Clauser | 211,703 | Jan. 28, 1879 | 745 | 208 | 15 | 102 |
| Saw-frame | J. F. Gage and C. F. Linscott | 213,889 | Apr. 1, 1879 | 173 | 50 | 15 | 494 |
| Saw-gage | J. Leist | 218,287 | Aug. 5, 1879 | 201 | 54 | 16 | 248 |
| Saw-grinder | S. Andersen | 218,913 | Aug. 26, 1879 | 962 | 270 | 16 | 380 |
| Saw-guide | E. H. Stearns | 215,255 | May 13, 1879 | 328 | 96, 97 | 15 | 747 |
| Saw guide, Circular | E. M. Guernsey | 222,396 | Dec. 9, 1879 | 316 | 89 | 16 | 1063 |
| Saw-guide, Saw-mill | A. Zachmeier | 217,189 | July 1, 1879 | 290 | 86 | 16 | 40 |
| Saw-gummer | W. M. Cass and J. A. Long | 220,574 | Oct. 14, 1879 | 427 | 110 | 16 | 700 |
| Saw-gummer | S. H. Stepp | 213,304 | Mar. 18, 1879 | 638 | 179 | 15 | 395 |
| Saw-handle | J. Holden | 216,091 | June 3, 1879 | 90 | 26 | 15 | 896 |
| Saw-handle | E. R. Osgood | 212,396 | Feb. 18, 1879 | 667 | 186 | 15 | 218 |
| Saw-handle | C. T. Shoemaker | 219,533 | Sept. 9, 1879 | 542 | 152 | 16 | 490 |
| Saw-handle, Adjustable | W. McNiece | 216,800 | June 24, 1879 | 918 | 261 | 15 | 1029 |
| Saw handle, Crosscut | E. C. Atkins and F. Fenton | 218,914 | Aug. 26, 1879 | 963 | 270 | 16 | 380 |
| Saw handle, Crosscut | N. Mosher | 214,517 | Apr. 22, 1879 | 959 | 269 | 15 | 619 |
| Saw handle, Crosscut | E. R. Osgood | 221,418 | Nov. 11, 1879 | 327 | 89 | 16 | 866 |
| Saw handle, Crosscut | M. E. True | 213,792 | Apr. 1, 1879 | 67 | 21 | 15 | 481 |
| Saw, Jig | G. W. Cary | 212,355 | Feb. 18, 1879 | 620 | 174 | 15 | 211 |
| Saw machine, Drag | W. N. Kyle | 222,057 | Nov. 25, 1879 | 1076 | 301 | 16 | 986 |
| Saw-mill | D. Cilley | 218,709 | Aug. 19, 1879 | 700 | 199 | 16 | 334 |
| Saw mill, Band | S. G. Crawford and B. C. Jackson | 217,514 | July 15, 1879 | 664 | 189 | 16 | 109 |
| Saw-mill buffer, Reciprocating | J. D. Wilson | 221,379 | Nov. 4, 1879 | 268 | 72 | 16 | 850 |
| Saw-mill carriages, Attachment to circular | J. D. Wilson | 211,538 | Jan. 21, 1879 | 539 | 152 | 15 | 72 |
| Saw mill, Circular | A. Cunningham | 222,775 | Dec. 23, 1879 | 776 | 223 | 16 | 1146 |
| Saw-mill dog | J. Inglehart | 219,948 | Sept. 23, 1879 | 1023 | 284 | 16 | 572 |
| Saw-mill dog | J. Little | 221,176 | Nov. 4, 1879 | 43 | 12 | 16 | 818 |
| Saw-mill dog | C. H. Roberts | 216,893 | June 24, 1879 | 1015 | 289 | 15 | 1041 |
| Saw-mill dog | G. W. Rodebaugh | 211,790 | Jan. 28, 1879 | 850 | 238 | 15 | 116 |
| Saw-mill dog | I. Springer | 222,606 | Dec. 16, 1879 | 580 | 165 | 16 | 1107 |
| Saw-mill dog | E. H. Stearns | 213,002 | Mar. 4, 1879 | 270 | 75, 76 | 15 | 331 |
| Saw mill, Gang | H. D. and E. N. Wickes | 212,526 | Feb. 18, 1879 | 834 | 231 | 15 | 240 |
| Saw mill, Gang circular | J. W. Morris | 219,497 | Sept. 9, 1879 | 508 | 141 | 16 | 485 |
| Saw-mill head-block | J. T. James | 212,383 | Feb. 18, 1879 | 651 | 182, 183 | 15 | 215 |
| Saw-mill head-block | D. Lane | 222,915 | Dec. 23, 1879 | 938 | 269 | 16 | 1170 |
| Saw-mill head-block dog | J. P. Barnard | 223,094 | Dec. 30, 1879 | 1151 | 325 | 16 | 1208 |
| Saw-mill log-carrying device | J. Torrent | 211,605 | Jan. 21, 1879 | 619 | 175 | 15 | 82 |
| Saw-mill, Reciprocating | I. M. Rosier | 219,528 | Sept. 9, 1879 | 537 | 150 | 16 | 489 |
| Saw-mills, Feed and gig mechanism for | E. H. Stearns | 215,254 | May 13, 1879 | 327 | 96 | 15 | 747 |

*Alphabetical list of inventions*—Continued.

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| Saw-mills, Feed mechanism for running | C. N. Fisher | 218, 007 | July 29, 1879 | 1234 | 353 | 16 | 199 |
| Saw-mills, Lumber-gage for | W. M. Dunn | 216, 161 | June 3, 1879 | 157 | 47 | 15 | 905 |
| Saw, Planing | J. A. Robbins | 211, 259 | Jan. 7, 1879 | 196 | 57 | 15 | 26 |
| Saw, Scroll | C. A. Dearborn | 220, 705 | Oct. 21, 1879 | 579 | 154 | 16 | 729 |
| Saw-set | J. H. Ahrens | 219, 891 | Sept. 23, 1879 | 957 | 265 | 16 | 562 |
| Saw-set | I. O. Barber | 217, 850 | July 29, 1879 | 1062 | 305 | 16 | 177 |
| Saw-set | S. Holton | 221, 820 | Nov. 18, 1879 | 799 | 222 | 16 | 939 |
| Saw-setting machine | W. Dunn | 213, 637 | Mar. 25, 1879 | 991 | 282, 283 | 15 | 449 |
| Saw-setting machine | W. H. Howe | 212, 700 | Feb. 25, 1879 | 1028 | 285 | 15 | 273 |
| Saw-setting machine | W. T. Smith | 216, 063 | June 3, 1879 | 61 | 17 | 15 | 892 |
| Saw sharpener, Gin | P. Armstrong | 213, 158 | Mar. 11, 1879 | 469 | 130 | 15 | 365 |
| Saw-sharpening machine | M. Covel | 215, 267 | May 13, 1879 | 345 | 101 | 15 | 749 |
| Saw-sharpening machine | W. L. Covel | 222, 386 | Dec. 9, 1879 | 306 | 85, 86 | 16 | 1061 |
| Saw-sharpening machine | E. W. Phelps | 214, 002 | Apr. 8, 1879 | 310 | 89 | 15 | 521 |
| Saw-table clamp | W. Hatfield | 220, 075 | Sept. 30, 1879 | 1183 | 325 | 16 | 602 |
| Saw-tables, Adjustable gage for | B. S. Constant | 222, 574 | Dec. 16, 1879 | 541 | 154 | 16 | 1102 |
| Saw-teeth, Clamping-piece for insertible | A. Krieger | 218, 280 | Aug. 5, 1879 | 195 | 52 | 16 | 247 |
| Saw-teeth, Device for setting, jointing, and gaging | L. H. Bigelow | 219, 438 | Sept. 9, 1879 | 447 | 124 | 16 | 477 |
| Saw teeth, Machine for jointing and dressing circular. | W. F. Curtis | 222, 776 | Dec. 23, 1879 | 777 | 224 | 16 | 1146 |
| Saw-tooth, Inserted | R. H. Osgood | 222, 304 | Dec. 2, 1879 | 209 | 55 | 16 | 1037 |
| Saw-tooth, Insertible | N. Johnson | 211, 097 | Jan. 7, 1879 | 19 | 7 | 15 | 3 |
| Saw-tooth, Insertible | J. Ohlen | 221, 602 | Nov. 11, 1879 | 539 | 149 | 16 | 896 |
| Saws, Clamping device for filing | W. P. Wentworth | 214, 071 | Apr. 8, 1879 | 417 | 117 | 15 | 532 |
| Saws, Machine for making scroll | J. F. C. Rider | 221, 253 | Nov. 4, 1879 | 123 | 33 | 16 | 829 |
| Saws, Machine for sharpening cotton-gin | J. Hartsel | 221, 813 | Nov. 18, 1879 | 792 | 220 | 16 | 938 |
| Saws, Metallic liner and slab-guard for | I. N. Kendall and R. Hall | 217, 114 | July 1, 1879 | 212 | 61 | 16 | 29 |
| Sawing and planing lumber | H. M. Loud | 215, 379 | May 13, 1879 | 464 | 139 | 15 | 765 |
| Sawing box-stuff, Machine for | J. Du Bois | 215, 897 | May 27, 1879 | 1066 | 310 | 15 | 861 |
| Sawing box-stuff, Machine for | J. Du Bois | 220, 062 | Sept. 30, 1879 | 1171 | 322 | 16 | 600 |
| Sawing-machine | E. F. Barnes | 219, 139 | Sept. 2, 1879 | 91 | 28 | 16 | 424 |
| Sawing machine, Band | F. H. Clement | 219, 148 | Sept. 2, 1879 | 100 | 30 | 16 | 425 |
| Sawing machine, Band | C. H. Mayo | 213, 222 | Mar. 11, 1879 | 534 | 148 | 15 | 373 |
| Sawing machine, Circular | F. McDonough | 212, 615 | Feb. 25, 1879 | 949 | 262 | 15 | 263 |
| Sawing machine, Circular | R. D. Pike | 217, 480 | July 15, 1879 | 629 | 179 | 16 | 104 |
| Sawing machine, Circular | E. Reno | 217, 957 | July 29, 1879 | 1181 | 338 | 16 | 192 |
| Sawing machine, Drag | J. K. Alters | 215, 858 | May 27, 1879 | 1027 | 299 | 15 | 856 |
| Sawing machine, Drag | W. Dyke | 217, 780 | July 22, 1879 | 969 | 278 | 16 | 158 |
| Sawing machine, Drag | W. W. Giles | 216, 668 | June 17, 1879 | 746 | 213 | 15 | 998 |
| Sawing machine, Drag | W. W. Giles | 216, 669 | June 17, 1879 | 747 | 213 | 15 | 998 |
| Sawing machine, Drag | W. W. Giles | 219, 635 | Sept. 16, 1879 | 668 | 185 | 16 | 514 |
| Sawing machine, Drag | H. Hughes | 212, 702 | Feb. 25, 1879 | 1030 | 285 | 15 | 274 |
| Sawing machine, Drag | L. L. Maxhimer and H. and E. B. Trubey. | 219, 286 | Sept. 2, 1879 | 262 | 74 | 16 | 445 |
| Sawing machine, Drag | B. Ross | 219, 366 | Sept. 9, 1879 | 366 | 103 | 16 | 466 |
| Sawing machine, Drag | O. F. Silcott | 212, 577 | Feb. 25, 1879 | 909 | 251 | 15 | 258 |
| Sawing machine, Drag | S. R. Smith | 220, 097 | Sept. 30, 1879 | 1212 | 334 | 16 | 606 |
| Sawing machine, Drag | A. A. Stucker | 220, 443 | Oct. 7, 1879 | 256 | 68 | 16 | 670 |
| Sawing machine, Drag | D. T. Thompson and W. M. Gray. | 222, 102 | Nov. 25, 1879 | 1133 | 319 | 16 | 994 |
| Sawing machine, Drag | D. L. Towslee | 218, 798 | Aug. 19, 1879 | 796 | 226 | 16 | 348 |
| Sawing machine gage, Circular | E. F. Gordon | 221, 804 | Nov. 18, 1879 | 783 | 218 | 16 | 936 |
| Sawing-machine, Horse-power | B. T. Adams | 220, 561 | Oct. 14, 1879 | 410 | 107 | 16 | 698 |
| Sawing machine, Scroll | W. M. and E. N. Botsford | 211, 129 | Jan. 7, 1879 | 57 | 19 | 15 | 8 |
| Sawing machine, Scroll | P. Rademann | 215, 241 | May 13, 1879 | 312 | 92 | 15 | 745 |
| Sawing machine, Scroll | N. P. Selden | 212, 326 | Feb. 18, 1879 | 586 | 163, 164 | 15 | 207 |
| Sawing-machines, Mitering attachment for | E. G. Holden | 221, 818 | Nov. 18, 1879 | 797 | 222 | 16 | 938 |
| Sawing out segments of wood, Machine for | J. G. Baker | 211, 952 | Feb. 4, 1879 | 151 | 43 | 15 | 145 |
| Sawing trees, Machine for | N. A. Daniels | 221, 912 | Nov. 25, 1879 | 917 | 257 | 16 | 965 |
| Scaffold | A. Metz | 216, 433 | June 10, 1879 | 488 | 139 | 15 | 954 |
| Scaffold | G. W. Potter | 216, 292 | June 10, 1879 | 324 | 95 | 15 | 933 |
| Scaffold support, Ladder | W. Bailis | 218, 154 | Aug. 5, 1879 | 56 | 15 | 16 | 228 |
| Scale and coin-tester, Combined | G. Hoag | 216, 184 | June 3, 1879 | 184 | 55 | 15 | 908 |
| Scale-beam | C. H. Bidwell and J. R. Linen | 221, 149 | Nov. 4, 1879 | 12 | 3 | 16 | 814 |
| Scale-beam | A. A. Houghton | 213, 332 | Mar. 18, 1879 | 669 | 188 | 15 | 399 |
| Scale-beam | A. A. Houghton | 213, 423 | Mar. 18, 1879 | 755 | 213 | 15 | 411 |
| Scale-beam | J. R. Linen | 215, 826 | May 27, 1879 | 986 | 288 | 15 | 851 |
| Scale-pan | C. Forschner | 214, 643 | Apr. 22, 1879 | 1088 | 305 | 15 | 636 |
| Scale-pan | A. A. Houghton | 218, 817 | Aug. 26, 1879 | 846 | 238 | 16 | 364 |
| Scale-weight | R. L. Hassell | 220, 975 | Oct. 28, 1879 | 905 | 242 | 16 | 780 |
| Scales, Calculating attachment for weighing | H. H. Ham, jr | 215, 667 | May 20, 1879 | 741 | 216 | 15 | 811 |
| Scales, Check-rod for platform | F. Fairbanks | 211, 392 | Jan. 14, 1879 | 375 | 107 | 15 | 48 |
| Scales, Grain-sacking | E. A. Martin | 215, 232 | May 13, 1879 | 301 | 88 | 15 | 743 |
| Scales or rule, Measuring | L. Sharpe | 222, 744 | Dec. 16, 1879 | 732 | 210 | 16 | 1130 |
| Scales, Pendulum | H. M. Weaver | 221, 757 | Nov. 18, 1879 | 714 | 200 | 16 | 929 |
| Scales, Platform | F. Fairbanks | 212, 364 | Feb. 18, 1879 | 628 | 177 | 15 | 212 |
| Scales, Platform | F. Fairbanks and L. G. Spencer | 213, 743 | Apr. 1, 1879 | 14 | 5 | 15 | 475 |
| Scales, Platform | F. Meyer, jr | 220, 405 | Oct. 7, 1879 | 217 | 58 | 16 | 664 |
| Scales, Weighing | G. L. C. Coulon | 212, 300 | Feb. 18, 1879 | 555 | 155, 156 | 15 | 203 |
| Scales, Weighing | P. M. Cummings | 212, 092 | Feb. 11, 1879 | 315 | 87 | 15 | 168 |
| Scales, Weighing | W. C. Farnum | 216, 514 | June 17, 1879 | 584 | 166 | 15 | 975 |
| Scales, Weighing | D. Hallock | 213, 898 | Apr. 1, 1879 | 181 | 53 | 15 | 496 |
| Scales, Weighing | F. D. Payn | 213, 062 | Mar. 11, 1879 | 349 | 98 | 15 | 350 |
| Scales, Weighing | L. G. Woolley | 222, 341 | Dec. 2, 1879 | 250 | 68 | 16 | 1043 |
| Scalloping-machine | F. Hanson | 221, 303 | Nov. 4, 1879 | 178 | 48, 49, 50 | 16 | 837 |
| Scarf | T. J. Flagg | 222, 264 | Dec. 2, 1879 | 169 | 44 | 16 | 1031 |
| Scarf | H. Selvage | 221, 619 | Nov. 11, 1879 | 554 | 153 | 16 | 898 |
| Scarf, Neck | H. W. Barry | 220, 567 | Oct. 14, 1879 | 416 | 108 | 16 | 699 |
| Scarf, Neck | W. A. Laverty | 222, 712 | Dec. 16, 1879 | 701 | 201 | 16 | 1125 |
| Scarf, Neck | M. Weill | 212, 290 | Feb. 11, 1879 | 533 | 149 | 15 | 197 |
| Scarf-pins, &c., Making ball-heads of | J. N. Allen | 212, 297 | Feb. 18, 1879 | 553 | 155 | 15 | 203 |

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|---|---|---|---|---|---|---|---|
| Scarf-ring | G. Lenau and E. Bent | 217, 883 | July 29, 1879 | 1102 | 316 | 16 | 182 |
| Scarf-ring | A. Schofield | 211, 594 | Jan. 21, 1879 | 608 | 171 | 15 | 81 |
| Scarf-shield | C. E. Foster | 221, 915 | Nov. 25, 1879 | 921 | 258 | 16 | 965 |
| Scholar's companion | L. B. Schaefer and H. Hennings | 215, 399 | May 13, 1879 | 484 | 144 | 15 | 768 |
| School and hall seat | F. W. Mallett | 215, 642 | May 20, 1879 | 777 | 228 | 15 | 816 |
| Scissors | A. Sanders | 223, 172 | Dec. 30, 1879 | 1234 | 349 | 16 | 1220 |
| Scissors and scale-measure, Combined | S. Stivers | 218, 329 | Aug. 5, 1879 | 246 | 67 | 16 | 254 |
| Scissors and shears | G. C. Avery | 219, 340 | Sept. 9, 1879 | 336 | 95 | 16 | 463 |
| Scissors and shears | A. Clarke | 212, 790 | Mar. 4, 1879 | 11 | 3 | 15 | 298 |
| Scissors and shears | G. Conover | 222, 672 | Dec. 16, 1879 | 663 | 190 | 16 | 1119 |
| Scissors, Manufacture of | A. Clarke | 213, 621 | Mar. 25, 1879 | 974 | 276 | 15 | 447 |
| Scoop | E. Gourley | 217, 528 | July 15, 1879 | 678 | 193 | 16 | 111 |
| Scoop and funnel, Combined grocer's | W. S. Chilis | 220, 576 | Oct. 14, 1879 | 429 | 111 | 16 | 700 |
| Scoop and sieve, Combined | L. Lotz | 219, 167 | Sept. 2, 1879 | 121 | 37 | 16 | 428 |
| Scoop and sifter, Combined flour | J. R. Hughes | 213, 047 | Mar. 11, 1879 | 332 | 94 | 15 | 348 |
| Scoop and sifter, Flour | J. H. McIntire | 219, 868 | Sept. 23, 1879 | 933 | 258 | 16 | 559 |
| Scoop, Coal | J. Balmore | 212, 883 | Mar. 4, 1879 | 129 | 37 | 15 | 313 |
| Scoop, Hop | N. E. Hinds | 222, 496 | Dec. 9, 1879 | 438 | 125 | 16 | 1078 |
| Scoop, sifter, and strainer, Combined | L. E. Brown | 216, 996 | July 1, 1879 | 73 | 22 | 16 | 12 |
| Scoop, Weighing | J. Birks | 212, 786 | Mar. 4, 1879 | 7 | 2 | 15 | 298 |
| Scoops, Manufacture of wooden | W. C. Freeman | 212, 678 | Feb. 25, 1879 | 1007 | 280 | 15 | 271 |
| Scourer: *See* Cutlery-scourer. Middlings-scourer. Grain-scourer. | | | | | | | |
| Scow, Dumping | T. T. Church and A. Stillwell | 213, 387 | Mar. 18, 1879 | 720 | 202 | 15 | 406 |
| Scow, Dumping | M. P. Walsh | 213, 854 | Apr. 1, 1879 | 133 | 39, 40 | 15 | 490 |
| Scow, Reversible dumping | J. W. Mitchell | 214, 433 | Apr. 15, 1879 | 837 | 235 | 15 | 596 |
| Scraper | C. McEntee | 222, 637 | Dec. 16, 1879 | 622 | 177, 178 | 16 | 1113 |
| Scraper | J. A. Peek | 218, 566 | Aug. 12, 1879 | 531 | 149 | 16 | 303 |
| Scraper and grader, Road | S. S. Morgan | 218, 130 | Aug. 5, 1879 | 26 | 8 | 16 | 224 |
| Scraper and leveler, Road | E. D. Dague | 223, 117 | Dec. 30, 1879 | 1179 | 332 | 16 | 1212 |
| Scraper, Corn and cotton | J. L. Pugh | 216, 059 | June 3, 1879 | 57 | 16 | 15 | 892 |
| Scraper, Farm and road | J. J. Lowe | 217, 016 | July 1, 1879 | 96 | 28 | 16 | 15 |
| Scraper, Farm, street, and road | J. Williams | 216, 074 | June 3, 1879 | 74 | 22 | 15 | 894 |
| Scraper for door-mats | W. E. Lawrence | 223, 154 | Dec. 30, 1879 | 1218 | 344 | 16 | 1218 |
| Scraper, Road | H. W. Ball | 221, 273 | Nov. 4, 1879 | 147 | 40 | 16 | 833 |
| Scraper, Road | S. H. Dudley | 222, 878 | Dec. 23, 1879 | 895 | 258 | 16 | 1163 |
| Scraper, Road | M. W. Farber | 211, 561 | Jan. 21, 1879 | 565 | 160 | 15 | 75 |
| Scraper, Road | J. Johnson | 214, 152 | Apr. 8, 1879 | 496 | 141 | 15 | 543 |
| Scraper, Road | G. W. Taft | 220, 042 | Sept. 30, 1879 | 1140 | 314, 315 | 16 | 595 |
| Scraper, Sulky | W. C. Marr | 216, 201 | June 3, 1879 | 200 | 59 | 15 | 910 |
| Scraper, Walking | G. J. Weber | 220, 741 | Oct. 21, 1879 | 621 | 166 | 16 | 734 |
| Scraper, Wheeled | G. J. Weber | 216, 588 | June 17, 1879 | 665 | 189, 190 | 15 | 986 |
| Screen: *See* Bolting-screen. Pulp-screen. Fire-screen. Revolving screen. Fly-screen. Window-screen. Paper-pulp screen. | | | | | | | |
| Screens, Roller-bracket for | J. G. Stewart | 219, 321 | Sept. 2, 1879 | 305 | 86 | 16 | 450 |
| Screw | C. C. Doten | 213, 551 | Mar. 25, 1879 | 898 | 256 | 15 | 437 |
| Screw-bolt | W. F. Schowe | 218, 142 | Aug. 5, 1879 | 42 | 11 | 16 | 226 |
| Screw-clamp and lifting-jack | J. Church | 222, 573 | Dec. 16, 1879 | 540 | 153 | 16 | 1102 |
| Screw-clamp, Hand | W. F. Lane | 214, 403 | Apr. 15, 1879 | 809 | 227 | 15 | 592 |
| Screw-cutting die | R. C. Fay | 220, 592 | Oct. 14, 1879 | 449 | 116 | 16 | 703 |
| Screw-cutting die | J. F. C. Rider | 218, 402 | Aug. 12, 1879 | 338 | 93 | 16 | 276 |
| Screw-cutting dies, Plate for holding | J. G. Geiser | 220, 601 | Oct. 14, 1879 | 457 | 119 | 16 | 704 |
| Screw-cutting tap | B. Stott | 216, 909 | June 24, 1879 | 1035 | 294 | 15 | 1044 |
| Screw-driver | W. H. Guthrie | 222, 781 | Dec. 23, 1879 | 784 | 225 | 16 | 1147 |
| Screw-driver | E. Morris | 214, 785 | Apr. 29, 1879 | 1259 | 352 | 15 | 665 |
| Screw-driver | C. S. Wells | 221, 986 | Nov. 25, 1879 | 1004 | 281 | 16 | 976 |
| Screw-driver, Crank | G. Abrams | 219, 425 | Sept. 9, 1879 | 435 | 120 | 16 | 475 |
| Screw-heads, &c., Machine for burnishing | C. D. Rogers | 216, 024 | July 1, 1879 | 106 | 31 | 16 | 16 |
| Screw, Jack | R. Fjellman | 222, 028 | Nov. 25, 1879 | 1043 | 292 | 16 | 981 |
| Screw, Jack | F. Hanson | 218, 877 | Aug. 26, 1879 | 924 | 258 | 16 | 375 |
| Screw, Jack | S. C. Megill | 216, 284 | June 10, 1879 | 315 | 93 | 15 | 932 |
| Screw machine, Metal | A. Johnston | 211, 911 | Feb. 4, 1879 | 101 | 29, 30 | 15 | 138 |
| Screw machine, Wood | T. O. Bennett | 220, 569 | Oct. 14, 1879 | 417 | 109 | 16 | 699 |
| Screw machine, Wood | C. D. Rogers | 214, 587 | Apr. 22, 1879 | 1029 | 290 | 15 | 628 |
| Screw machines, Extractor for metal | H. S. Lansdell | 222, 059 | Nov. 25, 1879 | 1077 | 301 | 16 | 986 |
| Screw-machines, Mechanism for operating the turrets of | W. N. Woodruff | 214, 543 | Apr. 22, 1879 | 983 | 277 | 15 | 622 |
| Screw machines, Thread-cutting tool for metal | A. Johnston | 211, 742 | Jan. 28, 1879 | 793 | 223 | 15 | 108 |
| Screw-nail | H. A. Harvey | 221, 729 | Nov. 18, 1879 | 686 | 192 | 16 | 924 |
| Screw, Ornamental-headed | R. B. Tunstall | 223, 080 | Dec. 30, 1879 | 1134 | 321 | 16 | 1206 |
| Screw-plate | H. D. Barnes | 219, 379 | Sept. 9, 1879 | 380 | 106 | 16 | 468 |
| Screw-press | P. R. Campbell | 213, 871 | Apr. 1, 1879 | 153 | 45 | 15 | 492 |
| Screw-tap | R. Weir | 218, 845 | Aug. 26, 1879 | 886 | 248 | 16 | 369 |
| Screw-wrench | G. V. Sheffield | 214, 057 | Apr. 8, 1879 | 380 | 107 | 15 | 529 |
| Screws, Machine for making metal | T. F. Carver | 222, 178 | Dec. 2, 1879 | 69 | 16, 17 | 16 | 1018 |
| Screws, Machine for rolling threads on | E. Croft | 219, 073 | Sept. 2, 1879 | 18 | 6 | 16 | 415 |
| Scrubber, Floor | J. Epting | 217, 081 | July 1, 1879 | 177 | 51 | 16 | 25 |
| Scythe | C. Roby | 218, 580 | Aug. 12, 1879 | 544 | 153 | 16 | 305 |
| Scythe | S. L. Singleton | 215, 405 | May 13, 1879 | 493 | 146 | 15 | 769 |
| Scythe-fastener | A. D. Myers | 220, 250 | Oct. 7, 1879 | 46 | 12 | 16 | 641 |
| Scythe-sharpener, Steel | W. Dow | 221, 540 | Nov. 11, 1879 | 474 | 129 | 16 | 886 |
| Scythe-snath fastening | P. E. Rudel | 212, 513 | Feb. 18, 1879 | 823 | 228 | 15 | 238 |
| Scythe-snaths, Sliding socket for | E. L. Hinman | 212, 223 | Feb. 11, 1879 | 461 | 128 | 15 | 187 |
| Seal-lock | E. F. Hotchkiss | 217, 874 | July 29, 1879 | 1090 | 314 | 16 | 181 |
| Seal-lock | J. T. Kilham | 218, 277 | Aug. 5, 1879 | 191 | 51 | 16 | 246 |
| Seal-lock | F. W. Mix | 221, 595 | Nov. 11, 1879 | 532 | 147 | 16 | 895 |
| Seal-lock | N. W. Palmer | 216, 445 | June 10, 1879 | 504 | 143 | 15 | 956 |
| Seal-lock | J. J. Tillinghast | 216, 631 | June 17, 1879 | 710 | 203 | 15 | 993 |

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|---|---|---|---|---|---|---|---|
| Seal-lock | J. E. White | 211, 121 | Jan. 7, 1879 | 49 | 15 | 15 | 7 |
| Seal, Metallic | C. L. Pond | 212, 111 | Feb. 11, 1879 | 337 | 92 | 15 | 171 |
| Sealing apparatus, Hermetic | J. Murphin | 219, 971 | Sept. 23, 1879 | 1049 | 291 | 16 | 575 |
| Seaming machine | W. J. Gordon | 222, 691 | Dec. 16, 1879 | 680 | 195, 196 | 16 | 1122 |
| Seaming machine, Metal | H. C. Milligan | 219, 494 | Sept. 9, 1879 | 501 | 139, 140 | 16 | 484 |
| Seat: *See* Car-seat. Chair-seat. Folding seat. Implement-seat. Privy-seat. Vehicle jump-seat. Wagon-seat. Wagon spring-seat. | | | | | | | |
| Seat | E. Edwards | 222, 880 | Dec. 23, 1879 | 897 | 259 | 16 | 1164 |
| Seat or bench | R. W. How | 222, 403 | Dec. 9, 1879 | 323 | 92 | 16 | 1063 |
| Sectional boiler | R. Cosslett, jr | 211, 706 | Jan. 28, 1879 | 747 | 209 | 15 | 103 |
| Sectional boiler | N. W. Pratt | 216, 887 | June 24, 1879 | 1007 | 286 | 15 | 1040 |
| Seed-crusher, Oleaginous | A. B. Lawther | 222, 591 | Dec. 16, 1879 | 563 | 160 | 16 | 1105 |
| Seed-drill | W. Anderson | 220, 267 | Oct. 7, 1879 | 63 | 17 | 16 | 643 |
| Seed-drill | S. W. Bard | 213, 088 | Mar. 11, 1879 | 387 | 108 | 15 | 354 |
| Seed-drill and fertilizer-distributer | E. P. Hollis | 213, 656 | Mar. 25, 1879 | 1010 | 288 | 15 | 452 |
| Seed-drill tooth | H. Springer | 211 601 | Jan. 21, 1879 | 616 | 174 | 15 | 81 |
| Seed-drills, Drill-point for | J. A. Jones | 216, 189 | June 3, 1879 | 189 | 56 | 15 | 909 |
| Seed-dropper | E. Norton | 211, 106 | Jan. 7, 1879 | 29 | 10 | 15 | 4 |
| Seed-dropper, Inclined | A. N. Newton | 212, 731 | Feb. 25, 1879 | 1063 | 295 | 15 | 279 |
| Seed-dropping attachment | W. W. S. Kime | 220, 154 | Sept. 30, 1879 | 1269 | 348 | 16 | 614 |
| Seed, Machine for cleaning blue-grass | I. B. Sandusky | 212, 821 | Mar. 4, 1879 | 46 | 15 | 15 | 303 |
| Seed-package | C. O. Wolferts | 220, 896 | Oct. 21, 1879 | 793 | 212 | 16 | 757 |
| Seeds, Machine for cleaning grass | J. L. Fisher | 221, 453 | Nov. 11, 1879 | 364 | 100 | 16 | 871 |
| Seeder | J. Richey | 217, 151 | July 1, 1879 | 259 | 74 | 16 | 34 |
| Seeder and fertilizer-distributer | D. F. Hull | 213, 509 | Mar. 25, 1879 | 849 | 241 | 15 | 431 |
| Seeder and planter | W. A. Van Brunt | 220, 100 | Sept. 30, 1879 | 1214 | 334, 335 | 16 | 606 |
| Seeders, Variable force-feed for | J. J. Claytou | 211, 087 | Jan. 7, 1879 | 10 | 4 | 15 | 2 |
| Seeding-machine | B. Delong | 216, 025 | June 3, 1879 | 23 | 6 | 15 | 888 |
| Seeding-machine | J. P. Fulgham | 216, 735 | June 24, 1879 | 838 | 239 | 15 | 1019 |
| Seeding-machine | C. O. Gardiner | 220, 526 | Oct. 14, 1879 | 361 | 95 | 16 | 692 |
| Seeding-machine | P. P. Mast | 212, 028 | Feb. 4, 1879 | 230 | 64 | 15 | 155 |
| Seeding-machine | W. T. Martin and J. M. Stewart. | 221, 588 | Nov. 11, 1879 | 525 | 144 | 16 | 894 |
| Seeding-machine | W. H. Nauman and E. F. Stoddard. | 215, 387 | May 13, 1879 | 471 | 141 | 15 | 766 |
| Seeding-machine teeth, Locking device for | T. Galloway and J. Larsen | 221, 675 | Nov. 18, 1879 | 622 | 174 | 16 | 916 |
| Seeding-machines, Fertilizing attachment for | J. P. Fulgham | 214, 900 | Apr. 29, 1879 | 1384 | 386 | 15 | 681 |
| Seeding-machines, Spring-hoe for | J. P. Fulgham | 219, 929 | Sept. 23, 1879 | 1002 | 279 | 16 | 569 |
| Self-acting brake or friction-coupling | E. Becker | 212, 584 | Feb. 25, 1879 | 916 | 252, 253 | 15 | 259 |
| Self-heating iron | S. S. Case | 222, 179 | Dec. 2, 1879 | 70 | 17 | 16 | 1018 |
| Self-lighting burner | Z. B. Adams | 213, 965 | Apr. 8, 1879 | 268 | 77 | 15 | 515 |
| Semolino, &c., Machine for cleaning and sorting | C. Haggenmacher | 213, 284 | Mar. 18, 1879 | 617 | 173, 174 | 15 | 392 |
| Semolino, &c., Machine for purifying and assorting | F. Thompson and W. H. Williamson. | 217, 430 | July 8, 1879 | 557 | 160, 161 | 16 | 82 |
| Semolino, &c., Machine for sorting and cleaning | J. Woerner | 211, 487 | Jan. 21, 1879 | 481 | 136 | 15 | 65 |
| Separating granular materials, Machinery for | G. Conkling | 222, 815 | Dec. 23, 1879 | 822 | 235 | 16 | 1153 |
| Separator: *See* Clover-seed separator. Cockle-separator. Corn-separator. Corn-sheller separator. Cotton-separator. Curd-separator. Flaxseed-separator. Flour-mill separator. Grain-separator. Magnetic separator. Middlings-separator. Nail-separator. Oat-separator. Ore-separator. | | | | | | | |
| Server, Hotel | J. G. Tait | 219, 183 | Sept. 2, 1879 | 137 | 41 | 16 | 430 |
| Service-box and valve for closet-cisterns | E. W. Meyer | 213, 230 | Mar. 11, 1879 | 543 | 150 | 15 | 375 |
| Service-pipe box | P. Connolly | 221, 526 | Nov. 11. 1879 | 458 | 125 | 16 | 883 |
| Service-pipe box | W. Ricketts | 218, 136 | Aug. 5, 1879 | 32 | 10 | 16 | 225 |
| Settee | E. J. Smith | 221, 141 | Oct. 28, 1879 | 1085 | 286 | 16 | 803 |
| Settee, Folding | F. F. Morse | 216, 803 | June 24, 1879 | 920 | 262 | 15 | 1029 |
| Sewer | C. Schirrmeister | 212, 057 | Feb. 4, 1879 | 273 | 74 | 15 | 160 |
| Sewer-building, Mold for | J. Burns | 222, 863 | Dec. 23, 1879 | 881 | 253 | 16 | 1161 |
| Sewer-gas consumer | W. H. Ransom | 219, 761 | Sept. 16, 1879 | 801 | 221 | 16 | 533 |
| Sewer-gas from basin-overflows, Device for preventing the escape of. | E. Blunt | 213, 862 | Apr. 1, 1879 | 145 | 43 | 15 | 491 |
| Sewer-gas from basin-overflows, Device for preventing the escape of. | C. E. De Valin | 213, 977 | Apr. 8, 1879 | 281 | 81 | 15 | 517 |
| Sewer-gas stopper | C. Y. Wemple | 216, 006 | May 27, 1879 | 1171 | 340 | 15 | 875 |
| Sewer-gas trap | P. Mihan | 214, 424 | Apr. 15, 1879 | 831 | 233 | 15 | 595 |
| Sewer-gas trap | P. Mihan | 222, 795 | Dec. 23, 1879 | 799 | 229 | 16 | 1149 |
| Sewer-gate, Automatic | S. S. Tilton | 217, 431 | July 8, 1879 | 560 | 161 | 16 | 83 |
| Sewer-pipe | P. McMackin | 215, 947 | May 27, 1879 | 1120 | 324 | 15 | 868 |
| Sewer pipe and trap | G. Cornwall | 213, 394 | Mar. 18, 1879 | 729 | 204 | 15 | 407 |
| Sewer-pipe connection, &c | J. McCloskey | 218, 891 | Aug. 26, 1879 | 940 | 264 | 16 | 377 |
| Sewer-pipes and deodorizing the foul air therefrom, Ventilating. | A. W. Rand | 212, 981 | Mar. 4, 1879 | 248 | 68 | 15 | 328 |
| Sewer, &c., trap | H. W. Atwater | 214, 984 | May 6, 1879 | 4 | 2 | 15 | 763 |
| Sewer-trap | J. P. Cahill | 212, 352 | Feb. 18, 1879 | 618 | 173 | 15 | 211 |
| Sewer-trap | E. B. Ward | 213, 716 | Mar. 25, 1879 | 1073 | 305 | 15 | 460 |
| Sewer-trap attachment | W. Wilson | 217, 841 | July 22, 1879 | 1041 | 298 | 16 | 167 |
| Sewer ventilator and drain | A. A. Draper | 214, 894 | Apr. 29, 1879 | 1380 | 384 | 15 | 680 |
| Sewerage | J. W. Crane | 221, 669 | Nov. 18, 1879 | 615 | 172 | 16 | 915 |
| Sewing and darning machine | T. Webb and C. H. Heartfield | 213, 537 | Mar. 25, 1879 | 880 | 251, 252 | 15 | 435 |
| Sewing and embroidering machine | E. Cornely | 219, 225 | Sept. 2, 1879 | 191 | 56, 57 | 16 | 435 |
| Sewing and embroidering machine | L. C. Mumford | 212, 862 | Mar. 4, 1879 | 94 | 28 | 15 | 310 |
| Sewing and embroidering machine | G. Stackpole and J. H. Applegate | 220, 314 | Oct. 7, 1879 | 120 | 32, 33 | 16 | 651 |
| Sewing covered nuts, Machine for | L. T. Smith | 213, 462 | Mar. 18, 1879 | 790 | 223 | 15 | 416 |
| Sewing implements, Combined | A. J. Lytle | 212, 481 | Feb. 18, 1879 | 776 | 214 | 15 | 232 |
| Sewing-machine | J. H. Applegate | 212, 783 | Mar. 4, 1879 | 3 | 1 | 15 | 297 |

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| Sewing-machine | J. Bigelow | 214, 354 | Apr. 15, 1879 | 754 | 210, 211 | 15 | 585 |
| Sewing-machine | H. Bland | 216, 016 | June 3, 1879 | 7 | 2, 3 | 15 | 885 |
| Sewing-machine | S. Borton | 214, 089 | Apr. 8, 1879 | 433 | 122 | 15 | 534 |
| Sewing-machine | J. W. Corey | 216, 942 | July 1, 1879 | 15 | 5 | 16 | 4 |
| Sewing-machine | G. H. W. Curtis | 213, 548 | Mar. 25, 1879 | 895 | 255, 256 | 15 | 437 |
| Sewing-machine | G. S. Darling | 213, 038 | Mar. 11, 1879 | 323 | 90, 91 | 15 | 346 |
| Sewing-machine | L. Dustin | 213, 181 | Mar. 11, 1879 | 496 | 138 | 15 | 368 |
| Sewing-machine | A. B. Felt | 219, 082 | Sept. 2, 1879 | 28 | 9 | 16 | 416 |
| Sewing-machine | D. W. Goodell | 214, 903 | Apr. 29, 1879 | 1388 | 386 | 15 | 682 |
| Sewing-machine | T. Green | 216, 671 | June 17, 1879 | 750 | 214 | 15 | 998 |
| Sewing-machine | C. Junker | 217, 112 | July 1, 1879 | 209 | 60 | 16 | 29 |
| Sewing-machine | J. Keith | 215, 462 | May 20, 1879 | 575 | 169 | 15 | 789 |
| Sewing-machine | D. M. Legat | 218, 388 | Aug. 12, 1879 | 326 | 89, 90 | 16 | 275 |
| Sewing-machine | J. McAllister | 220, 164 | Sept. 30, 1879 | 1279 | 351, 352, 353 | 16 | 615 |
| Sewing-machine | L. B. Miller | 214, 513 | Apr. 22, 1879 | 950 | 268 | 15 | 618 |
| Sewing-machine | A. E. Moltz | 218, 682 | Aug. 19, 1879 | 674 | 191 | 16 | 331 |
| Sewing-machine | T. W. Morrison | 216, 289 | June 10, 1879 | 320 | 95 | 15 | 932 |
| Sewing-machine | T. W. Morrison | 216, 339 | June 10, 1879 | 385 | 110 | 15 | 940 |
| Sewing-machine | C. O. Parmenter | 212, 495 | Feb. 18, 1879 | 788 | 218 | 15 | 233 |
| Sewing-machine | H. F. Schlueter | 218, 141 | Aug. 5, 1879 | 41 | 11 | 16 | 226 |
| Sewing-machine | T. Shanks | 212, 628 | Feb. 25, 1879 | 962 | 266 | 15 | 265 |
| Sewing-machine | A. Steward | 217, 910 | July 29, 1879 | 1131 | 323 | 16 | 186 |
| Sewing-machine | W. J. Stewart | 219, 992 | Sept. 23, 1879 | 1970 | 297 | 16 | 579 |
| Sewing-machine | R. H. St. John | 219, 780 | Sept. 16, 1879 | 822 | 228 | 16 | 535 |
| Sewing-machine | J. N. Tarbox | 213, 146 | Mar. 11, 1879 | 456 | 126 | 15 | 363 |
| Sewing-machine | E. T. Thomas | 219, 038 | Aug. 26, 1879 | 1094 | 307 | 16 | 397 |
| Sewing-machine | J. Tripp | 217, 912 | July 29, 1879 | 1133 | 324 | 16 | 186 |
| Sewing-machine | C. B. True | 215, 080 | May 6, 1879 | 107 | 32 | 15 | 716 |
| Sewing-machine | J. A. True | 215, 841 | May 27, 1879 | 1005 | 292 | 15 | 853 |
| Sewing-machine | S. W. Wardwell, jr | 220, 197 | Sept. 30, 1879 | 1323 | 365 | 16 | 622 |
| Sewing-machine | D. Whittemore | 217, 184 | July 1, 1879 | 283 | 83, 84 | 16 | 39 |
| Sewing-machine | J. D. Wright | 212, 581 | Feb. 25, 1879 | 912 | 252 | 15 | 259 |
| Sewing-machine attachment | P. F. Fernandez | 212, 671 | Feb. 25, 1879 | 1000 | 278 | 15 | 270 |
| Sewing-machine attachment | J. B. Sulgrove | 212, 523 | Feb. 18, 1879 | 831 | 230, 231 | 15 | 239 |
| Sewing-machine attachment for lathes | J. W. Post | 220, 496 | Oct. 14, 1879 | 327 | 86, 87 | 16 | 688 |
| Sewing machine, Book | D. M. Smyth | 220, 312 | Oct. 7, 1879 | 117 | 31, 32 | 16 | 650 |
| Sewing machine, Boot and shoe | E. Hamm | 219, 578 | Sept. 16, 1879 | 596 | 166 | 16 | 504 |
| Sewing-machine, Button-hole | S. Cleminshaw | 213, 391 | Mar. 18, 1879 | 724 | 203, 204 | 15 | 407 |
| Sewing-machine, Button-hole | J. J. Graff | 216, 670 | June 17, 1879 | 748 | 213, 214 | 15 | 998 |
| Sewing-machine, Button-hole | F. E. Schmidt | 219, 656 | Sept. 16, 1879 | 693 | 192 | 16 | 517 |
| Sewing-machine, Button-hole | F. Simmons | 216, 902 | June 24, 1879 | 1026 | 291, 292 | 15 | 1043 |
| Sewing-machine button-hole attachment | J. W. Blodgett | 214, 613 | Apr. 22, 1879 | 1059 | 297 | 15 | 632 |
| Sewing-machine button-hole attachment | J. W. Blodgett | 222, 858 | Dec. 23, 1879 | 875 | 252 | 16 | 1160 |
| Sewing-machine button-hole attachment | G. F. Hildenbrand | 220, 616 | Oct. 14, 1879 | 470 | 124 | 16 | 706 |
| Sewing-machine button-hole attachment | A. M. Leslie | 216, 422 | June 10, 1879 | 474 | 136 | 15 | 952 |
| Sewing-machine button-hole attachment | S. Rockwell | 211, 932 | Feb. 4, 1879 | 122 | 35, 36 | 15 | 142 |
| Sewing-machine button-hole attachment | J. F. Snediker | 222, 089 | Nov. 25, 1879 | 1113 | 313 | 16 | 991 |
| Sewing-machine button-hole attachment | R. H. St. John | 222, 543 | Dec. 9, 1879 | 489 | 138 | 16 | 1084 |
| Sewing-machine button-hole attachment | L. Thomas | 211, 435 | Jan. 14, 1879 | 423 | 120 | 15 | 54 |
| Sewing-machine case | A. Steward | 218, 408 | Aug. 12, 1879 | 343 | 94 | 16 | 277 |
| Sewing-machine cording attachment | A. B. Felt | 221, 801 | Nov. 18, 1879 | 780 | 217 | 16 | 936 |
| Sewing-machine darning attachment | J. Skardon | 219, 025 | Aug. 26, 1879 | 1078 | 303 | 16 | 395 |
| Sewing-machine darning attachment | J. B. Underwood | 214, 854 | Apr. 29, 1879 | 1341 | 373 | 15 | 676 |
| Sewing-machine, Double-chain-stitch | J. H. Mooney | 222, 298 | Dec. 2, 1879 | 203 | 53, 54 | 16 | 1037 |
| Sewing-machine embroidering attachment | R. Vollschwitz | 211, 279 | Jan. 7, 1879 | 218 | 64 | 15 | 28 |
| Sewing-machine fan attachment | A. A. Nauck | 215, 388 | May 13, 1879 | 472 | 141 | 15 | 766 |
| Sewing-machine feed mechanism | E. Bonscay | 220, 052 | Sept. 30, 1879 | 1157 | 318, 319 | 16 | 598 |
| Sewing-machine feeding device | N. Dürkopp | 212, 793 | Mar. 4, 1879 | 16 | 5 | 15 | 299 |
| Sewing-machine feeding device | H. A. Gorn | 211, 564 | Jan. 21, 1879 | 569 | 161, 162 | 15 | 76 |
| Sewing-machine feeding device | W. O. Grover | 216, 791 | June 24, 1879 | 905 | 258 | 15 | 1028 |
| Sewing-machine feeding device | J. Hoefler | 217, 872 | July 29, 1879 | 1088 | 313 | 16 | 180 |
| Sewing-machine folder | W. A. Nettleton | 219, 172 | Sept. 2, 1879 | 127 | 38 | 16 | 429 |
| Sewing-machine for embroidering | J. W. Tuttle and T. K. Keith | 219, 782 | Sept. 16, 1879 | 825 | 228, 229 | 16 | 536 |
| Sewing-machine for embroidering | E. Wright | 221, 650 | Nov. 11, 1879 | 584 | 163 | 16 | 902 |
| Sewing-machine for sewing sweat-linings into hats | C. Widmer | 221, 134 | Oct. 28, 1879 | 1079 | 285 | 16 | 803 |
| Sewing-machine gathering and plaiting attachment | L. Onderdonk | 211, 422 | Jan. 14, 1879 | 406 | 116, 117 | 15 | 52 |
| Sewing machine, Glove | H. P. Henriksen | 215, 615 | May 20, 1879 | 750 | 219, 220 | 15 | 812 |
| Sewing-machine guide | J. W. Hollingsworth | 214, 136 | Apr. 8, 1879 | 480 | 137 | 15 | 540 |
| Sewing-machine hand-motor | J. Bancroft | 216, 496 | June 17, 1879 | 563 | 161 | 15 | 973 |
| Sewing-machine hand-power attachment | A. B. Felt | 220, 819 | Oct. 21, 1879 | 713 | 189 | 16 | 745 |
| Sewing-machine hat-binding attachment | C. O. Appleby | 219, 669 | Sept. 16, 1879 | 709 | 196, 197 | 16 | 519 |
| Sewing-machine hemmer | J. P. Müller | 217, 545 | July 15, 1879 | 696 | 199 | 16 | 113 |
| Sewing-machine looping attachment | A. W. Cochran | 213, 393 | Mar. 18, 1879 | 728 | 204 | 15 | 407 |
| Sewing-machine motor | J. M. C. Bennett | 219, 437 | Sept. 9, 1879 | 446 | 124 | 16 | 476 |
| Sewing-machine motor | A. T. Hammer | 220, 608 | Oct. 14, 1879 | 463 | 121 | 16 | 705 |
| Sewing-machine needle | W. T. Berry | 212, 534 | Feb. 25, 1879 | 860 | 238 | 15 | 251 |
| Sewing-machine needle | J. P. Bridge | 216, 141 | June 3, 1879 | 140 | 41 | 15 | 903 |
| Sewing-machine needle | G. W. Lascell | 211, 242 | Jan. 7, 1879 | 178 | 52 | 15 | 24 |
| Sewing-machine needle-bar | N. Hayden | 213, 819 | Apr. 1, 1879 | 98 | 30 | 15 | 485 |
| Sewing-machine needle-bar | N. Hayden | 216, 849 | June 24, 1879 | 973 | 276 | 15 | 1036 |
| Sewing-machine needle-guard | A. Wemple | 220, 779 | Oct. 21, 1879 | 672 | 178 | 16 | 740 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Sewing-machine needles, Machine for grooving | P. M. Beers | 217, 921 | July 29, 1879 | 1143 | 326, 327 | 16 | 187 |
| Sewing-machine overseaming attachment | G. H. W. Curtis | 220, 964 | Oct. 28, 1879 | 893 | 239 | 16 | 778 |
| Sewing-machine plaiting attachment | J. F. White and J. V. Bowhannan | 212, 417 | Feb. 18, 1879 | 689 | 192 | 15 | 221 |
| Sewing-machine presser-foot attachment | H. Burk | 213, 973 | Apr. 8, 1879 | 277 | 80 | 15 | 516 |
| Sewing-machine pulley attachment | C. Westling | 211, 536 | Jan. 21, 1879 | 537 | 152 | 15 | 71 |
| Sewing-machine quilting attachment | D. Riker | 217, 152 | July 1, 1879 | 251 | 74 | 16 | 35 |
| Sewing-machine quilting attachment | J. W. Starnes | 222, 208 | Dec. 2, 1879 | 106 | 26 | 16 | 1023 |
| Sewing-machine, Revolving-shuttle | J. Tripp | 222, 644 | Dec. 16, 1879 | 631 | 180 | 16 | 1115 |
| Sewing-machine ruffling attachment | D. Snitjer | 222, 643 | Dec. 16, 1879 | 630 | 180 | 16 | 1114 |
| Sewing-machine ruffling attachment | J. E. Wilson | 211, 679 | Jan. 28, 1879 | 719 | 201 | 15 | 99 |
| Sewing-machine shuttle | W. T. Elliott | 220, 816 | Oct. 21, 1879 | 710 | 188 | 16 | 745 |
| Sewing-machine shuttle | L. B. Miller and P. Diehl | 221, 338 | Nov. 4, 1879 | 226 | 61 | 16 | 843 |
| Sewing-machine shuttle | E. W. Mullikin | 222, 930 | Dec. 23, 1879 | 954 | 274 | 16 | 1172 |
| Sewing-machine shuttle-actuating mechanism | H. E. Dieterle | 218, 811 | Aug. 26, 1879 | 840 | 236 | 16 | 363 |
| Sewing-machine shuttle-bobbin | D. M. Church | 214, 624 | Apr. 22, 1879 | 1069 | 300 | 15 | 633 |
| Sewing-machine, Straw-braid | H. Bland | 221, 505 | Nov. 11, 1879 | 430 | 117 | 16 | 880 |
| Sewing-machine, Straw-braid | C. F. Bosworth | 216, 504 | June 17, 1879 | 570 | 163 | 15 | 974 |
| Sewing-machine, Straw-braid | S. Henshall | 217, 216 | July 8, 1879 | 335 | 99 | 16 | 54 |
| Sewing-machine table | D. Snitjer | 222, 322 | Dec. 2, 1879 | 230 | 61 | 16 | 1049 |
| Sewing-machine take-up device | G. W. Baker | 216, 994 | July 1, 1879 | 72 | 22 | 16 | 11 |
| Sewing-machine tension-regulator | G. Hall, jr | 223, 133 | Dec. 30, 1879 | 1193 | 338 | 16 | 1215 |
| Sewing-machine thread-controlling device | J. A. True | 221, 481 | Nov. 11, 1879 | 403 | 110 | 16 | 876 |
| Sewing-machine treadle | O. H. Taylor | 213, 359 | Mar. 18, 1879 | 696 | 195 | 15 | 403 |
| Sewing-machine treadle | O. H. Taylor | 220, 192 | Sept. 30, 1879 | 1318 | 364 | 16 | 621 |
| Sewing-machine treadle | C. A. Von Cort | 218, 201 | Aug. 5, 1879 | 112 | 30 | 16 | 235 |
| Sewing-machine treadle | C. A. Von Cort and S. A. Shepherd | 214, 266 | Apr. 15, 1879 | 642 | 180 | 15 | 571 |
| Sewing-machine treadle-movement | P. F. Joute | 220, 385 | Oct. 7, 1879 | 198 | 53 | 16 | 662 |
| Sewing-machine treadles, Attachment for assisting in the operation of. | J. B. Underwood | 213, 713 | Mar. 25, 1879 | 1070 | 304 | 15 | 460 |
| Sewing-machine trimmer | L. H. Allen | 219, 058 | Sept. 2, 1879 | 1 | 1 | 16 | 413 |
| Sewing-machine trimming attachment | C. H. Bayley | 212, 122 | Feb. 11, 1879 | 350 | 96 | 15 | 172 |
| Sewing-machine trimming attachment | C. M. R. Glanville | 216, 322 | June 10, 1879 | 357 | 103 | 15 | 937 |
| Sewing-machine trimming attachment | N. Ingalls, jr | 212, 602 | Feb. 25, 1879 | 935 | 258 | 15 | 261 |
| Sewing-machine trimming attachment | J. I., H., and J. H. Pellerin | 221, 420 | Nov. 11, 1879 | 329 | 91 | 16 | 867 |
| Sewing-machine trimming attachment | J. E. Wilson | 218, 151 | Aug. 5, 1879 | 53 | 15 | 16 | 227 |
| Sewing-machine tuck-marker | J. Bolton | 223, 107 | Dec. 30, 1879 | 1166 | 328 | 16 | 1201 |
| Sewing-machine tuck-marking attachment | A. Johnston | 215, 060 | May 6, 1879 | 84 | 26 | 15 | 713 |
| Sewing-machine tucker | J. J. Hill | 220, 024 | Sept. 30, 1879 | 1113 | 308 | 16 | 592 |
| Sewing-machine tucker | C. F. Knoch | 216, 192 | June 3, 1879 | 192 | 57 | 15 | 909 |
| Sewing-machine water-motor | J. Haworth | 219, 941 | Sept. 23, 1879 | 1016 | 282 | 16 | 571 |
| Sewing-machine, Wax-thread | E. E. Bean | 216, 078 | June 3, 1879 | 79 | 23 | 15 | 895 |
| Sewing-machine, Wax-thread | S. W. Wardwell, jr | 218, 464 | Aug. 12, 1879 | 418 | 114, 115, 116, 117 | 16 | 287 |
| Sewing-machine waxing mechanism | S. B. Ellithorp | 222, 882 | Dec. 23, 1879 | 899 | 259 | 16 | 1164 |
| Sewing-machine, Zigzag | W. F. Warnock | 215, 699 | May 20, 1879 | 835 | 244 | 15 | 824 |
| Sewing-machines, Clutch for fly-wheels of | W. L. Fish | 214, 246 | Apr. 15, 1879 | 619 | 175 | 15 | 568 |
| Sewing-machines, Clutch for fly-wheels of | W. L. Fish | 214, 289 | Apr. 15, 1879 | 668 | 187 | 15 | 575 |
| Sewing-machines, Clutching and braking device for power-driven. | L. Sternberger | 213, 704 | Mar. 25, 1879 | 1060 | 302 | 15 | 458 |
| Sewing-machines, Clutching and braking device for power-driven. | F. G. Tees | 213, 711 | Mar. 25, 1879 | 1068 | 304 | 15 | 460 |
| Sewing-machines, Elastic treadle for | J. W. A. Huss | 216, 616 | June 17, 1879 | 696 | 199 | 15 | 991 |
| Sewing-machines, Hand-lever for operating | T. Shanks | 216, 901 | June 24, 1879 | 1025 | 291 | 15 | 1043 |
| Sewing-machines, Hand-power for | J. H. Wiley | 211, 285 | Jan. 7, 1879 | 227 | 66 | 15 | 30 |
| Sewing-machines, Hemmer for blind-stitch | C. P. Hoffman and N. Meyers | 211, 574 | Jan. 21, 1879 | 583 | 165 | 15 | 78 |
| Sewing-machines, Power-driven device for | F. G. Tees | 213, 710 | Mar. 25, 1879 | 1067 | 303 | 15 | 459 |
| Sewing-machines, Take-up and tension-spring for wax-thread. | J. B. Sulgrove | 211, 355 | Jan. 14, 1879 | 333 | 98 | 15 | 43 |
| Sewing straw braid, &c., Machine for | C. H. Willcox | 218, 413 | Aug. 12, 1879 | 347 | 96, 97 | 16 | 278 |
| Sewing sweat-linings into hats, Machine for | T. W. Bracker | 221, 508 | Nov. 11, 1879 | 434 | 118 | 16 | 880 |
| Shackle | M. A. Belcher and G. F. Perrenot | 220, 117 | Sept. 30, 1879 | 1231 | 339 | 16 | 609 |
| Shade-fixture | B. Handforth | 211, 996 | Feb. 4, 1879 | 197 | 56 | 15 | 151 |
| Shade-supporter | J. Graff | 218, 378 | Aug. 12, 1879 | 316 | 86 | 16 | 273 |
| Shade-supporting attachment | S. H. Miller | 215, 763 | May 27, 1879 | 909 | 266 | 15 | 842 |
| Shaft and sleeve coupling | J. F. Appleby | 217, 192 | July 8, 1879 | 308 | 91 | 16 | 51 |
| Shaft-bearing | S. W. Wardwell, jr | 220, 198 | Sept. 30, 1879 | 1324 | 365 | 16 | 622 |
| Shaft-coupling | W. D. Forbes | 212, 547 | Feb. 25, 1879 | 874 | 241 | 15 | 253 |
| Shaft-coupling | W. D. Forbes | 215, 345 | May 13, 1879 | 434 | 129 | 15 | 761 |
| Shaft-coupling | H. James | 213, 660 | Mar. 25, 1879 | 1017 | 289 | 15 | 453 |
| Shaft-coupling | J. Walker | 221, 128 | Oct. 28, 1879 | 1073 | 283 | 16 | 802 |
| Shaft-coupling, Flexible | H. A. Kimball | 218, 278 | Aug. 5, 1879 | 193 | 52 | 16 | 246 |
| Shaft, Flexible | H. A. House | 218, 744 | Aug. 19, 1879 | 736 | 209, 210 | 16 | 340 |
| Shaft-hanger | H. D. Cone | 212, 541 | Feb. 25, 1879 | 867 | 239 | 15 | 252 |
| Shaft-hanger | J. First | 214, 899 | Apr. 29, 1879 | 1384 | 385 | 15 | 681 |
| Shaft prop, Buggy | J. T. Baker | 222, 227 | Dec. 2, 1879 | 127 | 32 | 16 | 1026 |
| Shaft support, Vehicle | D. B. Helvering | 221, 677 | Nov. 18, 1879 | 626 | 176 | 16 | 916 |
| Shaft supporter, Vehicle | J. W. Osburn | 216, 214 | June 3, 1879 | 215 | 64 | 15 | 912 |
| Shafts, Device for fastening wheels to | C. C. Klein | 221, 466 | Nov. 11, 1879 | 385 | 106 | 16 | 874 |
| Shafts, Device for securing coupling-blocks, wheels, &c., to. | T. Norris, jr | 212, 257 | Feb. 11, 1879 | 498 | 138 | 15 | 192 |
| Shafts, Device for the lateral adjustment of | J. W. Yeo | 213, 310 | Mar. 18, 1879 | 644 | 181 | 15 | 396 |
| Shafts for sleighs, Adjustable | W. Atkinson | 212, 085 | Feb. 11, 1879 | 309 | 85 | 15 | 167 |
| Shafts, wheels, or pulleys, Device for driving, stopping, and reversing. | F. G. Bates and W. C. Hartmann | 223, 097 | Dec. 30, 1879 | 1155 | 325, 326 | 16 | 1209 |
| Shafting-coupler | W. T. McMasters | 215, 762 | May 27, 1879 | 908 | 266 | 15 | 842 |
| Shafting, Flexible | H. D. Justi | 216, 858 | June 24, 1879 | 983 | 279 | 15 | 1037 |
| Share and point, Combined | J. Killefer | 222, 502 | Dec. 9, 1879 | 443 | 127 | 16 | 1079 |
| Sharpie-boats, Construction of | T. Clapham | 214, 101 | Apr. 8, 1879 | 445 | 126 | 15 | 536 |
| Shawl-strap | A. E. Lyman | 217, 230 | July 8, 1879 | 352 | 104 | 16 | 57 |
| Shawl-strap | M. Rübin | 221, 616 | Nov. 11, 1879 | 552 | 152 | 16 | 898 |
| Shawl-strap and head-rest, Combined | H. H. McLane | 212, 812 | Mar. 4, 1879 | 35 | 12 | 15 | 302 |

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|---|---|---|---|---|---|---|---|
| Shears: *See* Hedge and pruning shears. Pruning-shears. Sheep-shears. Paper-cutting shears. | | | | | | | |
| Sheep, Curing foot-rot in | J. Myers | 222, 723 | Dec. 16, 1879 | 711 | ..... | 16 | 1127 |
| Sheep-protector | C. Gilbert | 211, 726 | Jan. 28, 1879 | 775 | 217 | 15 | 106 |
| Sheep-protector | J. R. Speer | 216, 235 | June 3, 1879 | 234 | 70 | 15 | 914 |
| Sheep-protector | J. R. Speer | 222, 368 | Dec. 9, 1879 | 287 | 80 | 16 | 1058 |
| Sheep-shears | E. Wilkinson | 218, 610 | Aug. 12, 1879 | 578 | 163 | 16 | 310 |
| Sheet-iron with zinc or with alloys of zinc, Coating | R. Heathfield | 211, 905 | Feb. 4, 1879 | 94 | 27 | 15 | 138 |
| Sheet-metal-bending machine | G. R. Everson | 220, 224 | Oct. 7, 1879 | 15 | 4 | 16 | 637 |
| Sheet-metal box | H. F. Miller | 219, 645 | Sept. 16, 1879 | 682 | 189 | 16 | 516 |
| Sheet-metal box | D. M. Somers | 213, 074 | Mar. 11, 1879 | 365 | 103 | 15 | 352 |
| Sheet-metal box | D. M. Somers | 214, 851 | Apr. 29, 1879 | 1338 | 372 | 15 | 675 |
| Sheet-metal box | D. M. Somers | 218, 076 | July 29, 1879 | 1306 | 374 | 16 | 209 |
| Sheet-metal can | T. G. F. Dolby | 221, 539 | Nov. 11, 1879 | 473 | 129 | 16 | 886 |
| Sheet-metal can | J. S. Field | 216, 167 | June 3, 1879 | 169 | 50 | 15 | 906 |
| Sheet-metal can | E. P. Follett and G. Fellows | 218, 512 | Aug. 12, 1879 | 471 | 132 | 16 | 294 |
| Sheet-metal can | C. Green and W. Wilson, jr | 220, 022 | Sept. 30, 1879 | 1110 | 307 | 16 | 592 |
| Sheet-metal can | J. Henderson | 217, 532 | July 15, 1879 | 682 | 194 | 16 | 111 |
| Sheet-metal can | H. C. Milligan | 219, 752 | Sept. 16, 1879 | 791 | 219 | 16 | 531 |
| Sheet-metal can | F. H. Palmer | 220, 089 | Sept. 30, 1879 | 1204 | 332 | 16 | 605 |
| Sheet-metal can | J. I. Spencer | 212, 064 | Feb. 4, 1879 | 280 | 76 | 15 | 160 |
| Sheet-metal can | J. G. Wiggins | 219, 048 | Aug. 26, 1879 | 1102 | 310 | 16 | 399 |
| Sheet-metal can-bodies, Machine for making | H. Miller | 216, 434 | June 10, 1879 | 489 | 140 | 15 | 954 |
| Sheet-metal-can seam | E. Norton | 215, 766 | May 27, 1879 | 911 | 267 | 15 | 842 |
| Sheet-metal cans, Die for making | J. W. Farrell | 222, 261 | Dec. 2, 1879 | 166 | 43 | 16 | 1031 |
| Sheet-metal-coating apparatus | E. Morewood | 220, 769 | Oct. 21, 1879 | 656 | 174, 175 | 16 | 739 |
| Sheet-metal couplings, Fastening for | C. F. Henis | 213, 901 | Apr. 1, 1879 | 184 | 53 | 15 | 496 |
| Sheet-metal, Machine for cutting, drawing, and stamping. | E. Jordan | 211, 407 | Jan. 14, 1879 | 389 | 111 | 15 | 50 |
| Sheet-metal, Machine for working | J. F. Ross | 220, 991 | Oct. 28, 1879 | 928 | 247 | 16 | 783 |
| Sheet-metal pipes, Grooving | C. Letterman | 213, 214 | Mar. 11, 1879 | 526 | 146 | 15 | 372 |
| Sheet-metal-shaping machinery | E. W. Bliss | 217, 725 | July 22, 1879 | 919 | 263 | 16 | 151 |
| Sheet-metal-shearing machine | C. E. Kennedy | 219, 271 | Sept. 2, 1879 | 246 | 70 | 16 | 443 |
| Sheet-metal shells. Tool for drawing | J. S. Palmer | 215, 536 | May 20, 1879 | 658 | 191 | 15 | 800 |
| Sheet-metal vessel | M. Campbell | 218, 483 | Aug. 12, 1879 | 441 | 123 | 16 | 290 |
| Sheet-metal vessel | R. C. Morris | 220, 488 | Oct. 14, 1879 | 318 | 84 | 16 | 686 |
| Sheet-metal vessel | J. S. Watt | 211, 813 | Jan. 28, 1879 | 873 | 245 | 15 | 119 |
| Sheet-metal vessels, Bottom for | F. W. Moseley | 212, 484 | Feb. 18, 1879 | 779 | 215 | 15 | 232 |
| Shelf-bracket, Adjustable | A. P. Massey | 217, 471 | July 15, 1879 | 617 | 177 | 16 | 102 |
| Shelf-stand, Rope | F. W. Rottmann | 217, 156 | July 1, 1879 | 256 | 76 | 16 | 35 |
| Sheller: *See* Corn-sheller. Pea-sheller. | | | | | | | |
| Shingle-bolts, Mill for sawing | J. Du Bois | 215, 898 | May 27, 1879 | 1067 | 310, 311 | 15 | 861 |
| Shingle-cutting machine | H. T. Davis | 217, 204 | July 8, 1879 | 320 | 94, 95 | 16 | 52 |
| Shingle-cutting machine | W. Goldie | 213, 103 | Mar. 11, 1879 | 406 | 113 | 15 | 357 |
| Shingle-cutting machine | W. Goldie | 219, 086 | Sept. 2, 1879 | 35 | 11 | 16 | 417 |
| Shingle-cutting machine | J. H. Phipps | 216, 575 | June 17, 1879 | 651 | 184 | 15 | 984 |
| Shingle-machine | D. W. Emery | 215, 197 | May 6, 1879 | 244 | 71, 72 | 15 | 733 |
| Shingle-machine | J. J. Kendall | 218, 818 | Aug. 26, 1879 | 847 | 238 | 16 | 364 |
| Shingle-sawing machine | G. Challoner | 214, 490 | Apr. 22, 1879 | 911 | 257 | 15 | 614 |
| Shingle-sawing machine | W. W. Chapin | 211, 970 | Feb. 4, 1879 | 169 | 48 | 15 | 148 |
| Shingle-sawing machine | E. Drake | 218, 620 | Aug. 19, 1879 | 610 | 171, 172 | 16 | 322 |
| Shingle-sawing machine | M. S. Norton | 219, 755 | Sept. 16, 1879 | 794 | 219, 220 | 16 | 532 |
| Shingle-sawing machine | B. F. Penney | 216, 344 | June 10, 1879 | 391 | 111 | 15 | 941 |
| Shingles, Packing | R. B. and H. H. Russell | 217, 748 | July 22, 1879 | 940 | 270 | 16 | 154 |
| Shingling-bracket | J. L. Rogers | 213, 349 | Mar. 18, 1879 | 687 | 192 | 15 | 402 |
| Shingling-bracket | W. D. Walker | 214, 330 | Apr. 15, 1879 | 725 | 203 | 15 | 582 |
| Ship-hatches, Fastening for | A. Johnson | 222, 407 | Dec. 9, 1879 | 327 | 92 | 16 | 1064 |
| Ship's hull | R. H. Tucker | 215, 994 | May 27, 1879 | 1160 | 337 | 15 | 873 |
| Ship's log | A. Gordon | 219, 460 | Sept. 9, 1879 | 469 | 130 | 16 | 479 |
| Ship's night-signal | J. W. Fowle | 220, 230 | Oct. 7, 1879 | 23 | 6, 7 | 16 | 638 |
| Shipping-case | W. B. and B. C. Atkinson | 213, 859 | Apr. 1, 1879 | 141 | 42 | 15 | 491 |
| Shipping-case | H. S. Sprague | 213, 140 | Mar. 11, 1879 | 448 | 124 | 15 | 362 |
| Shipping case and can | T. Allen | 221, 143 | Nov. 4, 1879 | 2 | 1 | 16 | 813 |
| Shipping-drum | J. H. Preater | 218, 193 | Aug. 5, 1879 | 103 | 27 | 16 | 234 |
| Shipping-tank for fluids | A. W. Schulenburg | 218, 832 | Aug. 26, 1879 | 861 | 242 | 16 | 366 |
| Shirt | C. A. Brown | 221, 029 | Oct. 28, 1879 | 970 | 258 | 16 | 788 |
| Shirt | G. Churchill | 220, 805 | Oct. 21, 1879 | 700 | 185 | 16 | 744 |
| Shirt | R. O. Davies | 221, 792 | Nov. 18, 1879 | 770 | 215 | 16 | 935 |
| Shirt | T. M. and E. Denham | 215, 442 | May 20, 1879 | 551 | 161 | 15 | 786 |
| Shirt | T. M. and E. Dennam | 221, 287 | Nov. 4, 1879 | 160 | 43 | 16 | 835 |
| Shirt | I. H. Mambert | 219, 284 | Sept. 2, 1879 | 260 | 73 | 16 | 444 |
| Shirt, Dress | H. F. Elias | 212, 911 | Mar. 4, 1879 | 170 | 46 | 15 | 318 |
| Shirt front or dickey | G. C. Henning | 215, 743 | May 27, 1879 | 889 | 260 | 15 | 839 |
| Shirt-neck shaper | H. Borchardt | 215, 204 | May 13, 1879 | 273 | 80 | 15 | 740 |
| Shirt-protector | G. E. Wickens | 216, 249 | June 3, 1879 | 251 | 75 | 15 | 917 |
| Shirt, Vest | M. E. Burris | 219, 214 | Sept. 2, 1879 | 179 | 53 | 16 | 435 |
| Shock or jar recorder | T. L. Luders | 222, 292 | Dec. 2, 1879 | 197 | 52 | 16 | 1036 |
| Shoe | A. Black | 216, 503 | June 17, 1879 | 569 | 163 | 15 | 974 |
| Shoe | J. L. Cross | 214, 371 | Apr. 15, 1879 | 775 | 218 | 15 | 588 |
| Shoe | J. F. Emerson | 212, 794 | Mar. 4, 1879 | 17 | 5 | 15 | 299 |
| Shoe | F. Kilsheimer | 211, 162 | Jan. 7, 1879 | 92 | 29 | 15 | 13 |
| Shoe | C. M. Lee | 217, 467 | July 15, 1879 | 614 | 176 | 16 | 102 |
| Shoe | L. Rose | 216, 220 | June 3, 1879 | 221 | 65 | 15 | 913 |
| Shoe | J. Searl and E. G. Bly | 212, 517 | Feb. 18, 1879 | 826 | 229 | 15 | 239 |
| Shoe | F. S. Stark | 222, 091 | Nov. 25, 1879 | 1116 | 314 | 16 | 992 |
| Shoe | J. Tebo, 2d | 218, 903 | Aug. 26, 1879 | 953 | 267 | 16 | 379 |
| Shoe and other lacings, Fastener for | H. C. Klein | 219, 162 | Sept. 2, 1879 | 117 | 34 | 16 | 427 |
| Shoe-clasp | J. L. Joyce | 221, 572 | Nov. 11, 1879 | 511 | 139 | 16 | 892 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. | | Official Gazette. | |
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| | | | | Spec. | Dr'g. | Vol. | Page. |
| Shoe-clasp | T. E. King and J. C. Hammond | 215, 824 | May 27, 1879 | 984 | 287 | 15 | 851 |
| Shoe-clasp, Elastic | C. Libby | 221, 414 | Nov. 11, 1879 | 324 | 88 | 16 | 866 |
| Shoe-fastener | H. C. Klein | 213, 666 | Mar. 25, 1879 | 1025 | 291 | 15 | 454 |
| Shoe-fastener | F. Noack | 213, 286 | May 13, 1879 | 374 | 108 | 15 | 753 |
| Shoe-fastener | I. J. Saunders | 211, 794 | Jan. 28, 1879 | 855 | 239 | 15 | 116 |
| Shoe-fastener | A. Sorg | 215, 406 | May 15, 1879 | 493 | 146 | 15 | 769 |
| Shoe-fastening | W. C. Egan | 218, 507 | Aug. 12, 1879 | 466 | 130 | 16 | 294 |
| Shoe-fastening | W. S. Hill | 218, 880 | Aug. 26, 1879 | 926 | 259 | 16 | 375 |
| Shoe, &c., fastening | J. Howenstine | 218, 745 | Aug. 19, 1879 | 737 | 210 | 16 | 340 |
| Shoe-fastening | W. F. Osborne | 222, 725 | Dec. 16, 1879 | 713 | 205 | 16 | 1127 |
| Shoe, &c., fastening | C. A. Russell | 219, 982 | Sept. 23, 1879 | 1060 | 294 | 16 | 577 |
| Shoe fastening and lacing | S. Jones | 216, 857 | June 24, 1879 | 982 | 279 | 15 | 1037 |
| Shoe-heel protector | J. G. Whittier | 220, 200 | Sept. 30, 1879 | 1326 | 366 | 16 | 622 |
| Shoe-holder | B. Elliott | 213, 881 | Apr. 1, 1879 | 165 | 48 | 15 | 494 |
| Shoe-horn | M. F. Coon | 222, 020 | Nov. 25, 1879 | 1034 | 290 | 16 | 980 |
| Shoe-lace fastener | H. C. Klein | 219, 274 | Sept. 2, 1879 | 250 | 71 | 16 | 443 |
| Shoe-lace studs, Machine for manufacturing | M. Bray | 212, 181 | Feb. 11, 1879 | 413 | 113, 114 | 15 | 181 |
| Shoe-lace studs, Machine for separating and setting | M. Bray | 212, 124 | Feb. 11, 1879 | 352 | 96, 97 | 15 | 173 |
| Shoe, Laced | O. Durocher | 216, 029 | June 3, 1879 | 27 | 7 | 15 | 888 |
| Shoemaker's work-bench | L. Cooper | 215, 326 | May 13, 1879 | 419 | 124 | 15 | 759 |
| Shoe-nail | J. M. Estabrook | 219, 238 | Sept. 2, 1879 | 211 | 62 | 16 | 439 |
| Shoe-nail | H. Köttgen | 222, 826 | Dec. 23, 1879 | 834 | 239 | 16 | 1154 |
| Shoe-nails, Scroll-package for holding | H. N. Allen | 212, 642 | Feb. 25, 1879 | 975 | 270 | 15 | 267 |
| Shoe-patterns, Adjustable model for | H. Nelson | 217, 137 | July 1, 1879 | 233 | 67, 68 | 16 | 32 |
| Shoe, Plow | C. D. Bigelow | 211, 956 | Feb. 4, 1879 | 155 | 44 | 15 | 146 |
| Shoe, Rubber | J. Haskins | 211, 629 | Jan. 28, 1879 | 662 | 186 | 15 | 91 |
| Shoe-scalloping machine | W. Manley | 212, 718 | Feb. 25, 1879 | 1048 | 291 | 15 | 276 |
| Shoe-shank stiffeners, Machine for cutting | O. Littlefield | 216, 044 | June 3, 1879 | 43 | 12 | 15 | 890 |
| Shoe-shanks, Machine for forming metallic | H. H. Jenkins | 216, 330 | June 10, 1879 | 372 | 106 | 15 | 938 |
| Shoe-shanks, Machine for shaping metallic | H. H. Jenkins | 216, 329 | June 10, 1879 | 371 | 106 | 15 | 938 |
| Shoe-shaping machine | S. Ross, jr | 211, 427 | Jan. 14, 1879 | 415 | 118 | 15 | 53 |
| Shoe-sole-buffing machine | J. W. Rogers | 211, 308 | Jan. 14, 1879 | 280 | 83 | 15 | 37 |
| Shoe-sole-edge setting and finishing mechanism | L. S. Bridges | 219, 442 | Sept. 9, 1879 | 451 | 125 | 16 | 477 |
| Shoe-soles, &c., Composition for water-proofing and lubricating. | H. Ober | 215, 018 | May 6, 1879 | 40 | ..... | 15 | 707 |
| Shoe-soles, Rotary cutter for trimming | W. D. Orcutt | 212, 971 | Mar. 4, 1879 | 237 | 65 | 15 | 327 |
| Shoe-tack wire, Machine for making | L. Goddu | 216, 789 | June 24, 1879 | 902 | 257 | 15 | 1027 |
| Shoe-upper | J. Brown | 216, 306 | June 10, 1879 | 339 | 99 | 15 | 935 |
| Shoe uppers and soles, Machine for cementing | J. B. Johnson | 221, 567 | Nov. 11, 1879 | 506 | 138 | 16 | 891 |
| Shoes, Button-hole for | W. F. Hill | 215, 745 | May 27, 1879 | 890 | 260 | 15 | 839 |
| Shoes, Manufacture of lined-tongued | W. A. Springer | 214, 264 | Apr. 15, 1879 | 640 | 180 | 15 | 571 |
| Shot-grading machine, Lead | J. E. Grannis and L. W. Tracy | 218, 379 | Aug. 12, 1879 | 316 | 86 | 16 | 273 |
| Shot-screening machine | J. E. Grannis and L. W. Tracy | 218, 380 | Aug. 12, 1879 | 318 | 87 | 16 | 274 |
| Shovel: *See* Dredging-machine shovel. | | | | | | | |
| Shovel | H. L. Graves | 215, 602 | May 20, 1879 | 734 | 214 | 15 | 810 |
| Shovel | C. W. Hubbard | 220, 760 | Oct. 21, 1879 | 643 | 171 | 16 | 737 |
| Shovel | W. Wharton, jr | 213, 019 | Mar. 4, 1879 | 290 | 82 | 15 | 334 |
| Shovel-handle | E. Smith | 214, 464 | Apr. 15, 1879 | 867 | 244 | 15 | 600 |
| Shovels and spades, Metallic socket for | H. A. Thompson | 213, 955 | Apr. 1, 1879 | 235 | 68 | 15 | 503 |
| Shovels, Machine for making | W. Chisholm | 219, 069 | Sept. 2, 1879 | 13 | 4, 5 | 16 | 414 |
| Shovels, spades, and scoops, Handle-socket for | P. W. Groom | 213, 414 | Mar. 18, 1879 | 748 | 210 | 15 | 410 |
| Show-box | F. B. Gurney | 219, 255 | Sept. 2, 1879 | 231 | 66 | 16 | 441 |
| Show-box | J. Loeb | 222, 291 | Dec. 2, 1879 | 196 | 52 | 16 | 1036 |
| Show-box | S. Zemansky | 211, 540 | Jan. 21, 1879 | 540 | 153 | 15 | 72 |
| Show-boxes, Removable cover for | L. D. Dozier | 211, 978 | Feb. 4, 1879 | 178 | 51 | 15 | 149 |
| Show-case | O. H. Blood | 216, 371 | June 10, 1879 | 418 | 120 | 15 | 944 |
| Show-case | H. G. Dorr, jr | 221, 913 | Nov. 25, 1879 | 919 | 257 | 16 | 965 |
| Show-case | T. Vaughan | 222, 612 | Dec. 16, 1879 | 590 | 168 | 16 | 1109 |
| Shroud-block | O. E. Huss | 220, 621 | Oct. 14, 1879 | 475 | 125 | 16 | 707 |
| Shutter | L. Lefébure | 215, 374 | May 13, 1879 | 460 | 138 | 15 | 764 |
| Shutter | G. W. Morstatt | 213, 343 | Mar. 18, 1879 | 680 | 191 | 15 | 401 |
| Shutter-bower | E. G. Rose | 218, 317 | Aug. 5, 1879 | 232 | 62 | 16 | 252 |
| Shutter-bower | W. Schofield | 221, 869 | Nov. 18, 1879 | 852 | 238 | 16 | 946 |
| Shutter-fastening | L. B. Gusman and H. Jones | 214, 126 | Apr. 8, 1879 | 473 | 134 | 15 | 539 |
| Shutter-fastening | N. P. F. Rosenberg | 215, 398 | May 13, 1879 | 484 | 144 | 15 | 768 |
| Shutter-fastening | O. Wooldridge | 214, 861 | Apr. 29, 1879 | 1348 | 375 | 15 | 677 |
| Shutter-hook | E. J. Steele | 213, 703 | Mar. 25, 1879 | 1059 | 302 | 15 | 458 |
| Shutter-worker | J. Kelso and W. H. Ludewigs | 212, 012 | Feb. 4, 1879 | 214 | 60 | 15 | 153 |
| Shutter-worker | H. Law | 213, 579 | Mar. 25, 1879 | 930 | 264 | 15 | 441 |
| Shutter-worker | P. S. Robinson | 221, 613 | Nov. 11, 1879 | 549 | 151 | 16 | 897 |
| Shuttle-box mechanism | H. Riehl | 214, 197 | Apr. 8, 1879 | 538 | 154 | 15 | 548 |
| Shuttle-spindle | H. A. Boyington | 218, 919 | Aug. 26, 1879 | 968 | 272 | 16 | 381 |
| Sickle-grinder | T. J. Hubbell | 214, 145 | Apr. 8, 1879 | 490 | 139 | 15 | 542 |
| Sickle, &c., holder | H. E. Fuller | 215, 732 | May 27, 1879 | 880 | 257 | 15 | 838 |
| Sickle-holder for grinding-machines | L. D. Dana | 222, 253 | Dec. 2, 1879 | 160 | 41 | 16 | 1030 |
| Sickles, knives, &c., Holder for | H. L. Fisher | 211, 842 | Feb. 4, 1879 | 17 | 5 | 15 | 129 |
| Side-stick and quoin | G. T. Gosorn | 218, 518 | Aug. 12, 1879 | 480 | 134 | 16 | 296 |
| Sieve | G. W. Lane | 220, 391 | Oct. 7, 1879 | 202 | 55 | 16 | 663 |
| Sieve | E. F. O'Toole | 219, 173 | Sept. 2, 1879 | 127 | 39 | 16 | 429 |
| Sieve | L. H. Thomas | 221, 478 | Nov. 11, 1879 | 399 | 109 | 16 | 875 |
| Sieve, Metallic | T. P. Austin | 218, 808 | Aug. 26, 1879 | 837 | 235 | 16 | 363 |
| Sifter | T. J. Mozart | 220, 640 | Oct. 14, 1879 | 496 | 130 | 16 | 709 |
| Sifter, Ash | A. Fenner | 214, 997 | May 6, 1879 | 18 | 6 | 15 | 705 |
| Sifter, Ash | C. Kerner | 218, 183 | Aug. 5, 1879 | 91 | 24 | 16 | 233 |
| Sifter, Ash | J. Losee and D. Moriarty | 220, 027 | Sept. 30, 1879 | 1116 | 308 | 16 | 593 |
| Sifter, Ash | M. V. B. White | 213, 721 | Mar. 25, 1879 | 1078 | 306 | 15 | 461 |
| Sifter, Coal | W. W. Whitaker | 216, 813 | June 24, 1879 | 928 | 265 | 15 | 1030 |
| Sifter, Flour | F. G. Ford | 222, 265 | Dec. 2, 1879 | 170 | 44 | 16 | 1032 |
| Sifter, Flour | J. M. Hunter | 218, 121 | Aug. 5, 1879 | 16 | 5 | 16 | 223 |
| Sifting-machine | N. Bassett | 216, 549 | June 17, 1879 | 617 | 175 | 15 | 980 |
| Sifting machine, Sand | J. D. Hobbs | 214, 040 | Apr. 8, 1879 | 357 | 102 | 15 | 526 |
| Sign | E. A. Goodes | 218, 872 | Aug. 26, 1879 | 915 | 256 | 16 | 373 |
| Sign | R. W. Oliver | 214, 694 | Apr. 22, 1879 | 1141 | 321 | 15 | 642 |
| Sign | W. R. Stoughton | 220, 098 | Sept. 30, 1879 | 1213 | 334 | 16 | 606 |

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|---|---|---|---|---|---|---|---|
| Sign | F. Tuchfarber | 216,771 | June 24, 1879 | 881 | 250 | 15 | 1025 |
| Sign-holder | S. W. Hopkins | 218,882 | Aug. 26, 1879 | 928 | 260 | 16 | 376 |
| Sign-holder | S. W. Hopkins | 218,883 | Aug. 26, 1879 | 929 | 260, 261 | 16 | 376 |
| Sign, Open | J. A. Hughes and C. R. Risdon | 213,426 | Mar. 18, 1879 | 758 | 213 | 15 | 411 |
| Sign, Transparent | J. G. Jory | 218,750 | Aug. 19, 1879 | 744 | 212 | 16 | 341 |
| Sign, Transparent | F. Tuchfarber | 220,099 | Sept. 30, 1879 | 1213 | ..... | 16 | 606 |
| Signal: *See* Fog-signal. Pyrotechnic signal. Railway-signal. Ship's night-signal. Telephone-signal. Telephone and telegraph line signal. | | | | | | | |
| Signal-box, Non-interfering | A. W. Gray | 220,755 | Oct. 21, 1879 | 636 | 170 | 16 | 730 |
| Signal-light | C. D. Oatman | 222,303 | Dec. 2, 1879 | 208 | 55 | 16 | 1037 |
| Silk-cleaning apparatus | W. B. Swift | 217,247 | July 8, 1879 | 366 | 168 | 16 | 59 |
| Silver from mixed amalgams by mercury, Leaching out. | C. Wiegand | 219,132 | Sept. 2, 1879 | 84 | 26 | 16 | 423 |
| Single-tree coupling | H. E. Braunfeld | 214,753 | Apr. 29, 1879 | 1220 | 342 | 15 | 660 |
| Sink guard and cover | J. Magee | 212,614 | Feb. 25, 1879 | 949 | 262 | 15 | 263 |
| Sink-outlets, Cover for | P. Dowdican | 222,258 | Dec. 2, 1879 | 164 | 42 | 16 | 1031 |
| Sink-trap | J. T. Bladen | 213,163 | Mar. 11, 1879 | 479 | 132 | 15 | 366 |
| Sink-trap | T. H. Sutton | 216,238 | June 3, 1879 | 236 | 71 | 15 | 915 |
| Sink trap and valve | A. S. Hodges | 216,185 | June 3, 1879 | 185 | 55 | 15 | 908 |
| Sink-valve | C. P. Crossman and A. H. Somes | 215,887 | May 27, 1879 | 1055 | 308 | 15 | 860 |
| Sinks, &c., Fittings for | L. W. Scott | 219,988 | Sept. 23, 1879 | 1064 | 295 | 16 | 578 |
| Sinks, Refuse-strainer for kitchen | M. A. Dennis | 220,016 | Sept. 30, 1879 | 1103 | 305 | 16 | 591 |
| Siphon | H. G. Whitaker | 220,512 | Oct. 14, 1879 | 345 | 91 | 16 | 690 |
| Siphon-exhaust | A. P. Storrs, jr | 215,488 | May 20, 1879 | 606 | 178 | 15 | 793 |
| Siphon for sewage and flushing tanks | R. Field | 222,885 | Dec. 23, 1879 | 902 | 260 | 16 | 1164 |
| Sirup-can | O. J. Backus | 221,659 | Nov. 18, 1879 | 604 | 169 | 16 | 913 |
| Skate | F. E. Dowler | 216,159 | June 3, 1879 | 156 | 46 | 15 | 905 |
| Skate | G. McCord | 222,927 | Dec. 23, 1879 | 952 | 273 | 16 | 1172 |
| Skate | J. E. Parmenter | 221,603 | Nov. 11, 1879 | 539 | 149 | 16 | 896 |
| Skate, Convertible | T. T. H. Harwood | 214,563 | Apr. 22, 1879 | 1003 | 282 | 15 | 625 |
| Skate-fastener | R. Thomson, jr | 211,643 | Jan. 28, 1879 | 681 | 191 | 15 | 93 |
| Skate, Propeller | A. A. Smith | 211,867 | Feb. 4, 1879 | 51 | 16 | 15 | 133 |
| Skate, Roller | W. F. Cornelius | 213,546 | Mar. 25, 1879 | 894 | 255 | 15 | 437 |
| Skate, Roller | L. B. Jackson, jr | 215,752 | May 27, 1879 | 897 | 262 | 15 | 840 |
| Skate, Roller | J. S. Lash | 218,035 | July 29, 1879 | 1266 | 362 | 16 | 203 |
| Skate, Roller | J. M. Lewis | 216,687 | June 17, 1879 | 769 | 220 | 15 | 1000 |
| Skate, Roller | G. Rush, jr | 211,111 | Jan. 7, 1879 | 38 | 12 | 15 | 5 |
| Skate, Roller | W. C. Trumbull | 215,081 | May 6, 1879 | 108 | 33 | 15 | 716 |
| Skate, Water | W. C. Soule | 216,234 | June 3, 1879 | 234 | 69 | 15 | 914 |
| Skates, Ankle-support for | E. H. Barney | 214,231 | Apr. 15, 1879 | 599 | 170 | 15 | 565 |
| Skating-rink, Apparatus for producing and maintaining the ice floor of a. | T. L. Rankin | 220,421 | Oct. 7, 1879 | 234 | 62 | 16 | 667 |
| Skeleton-crate for hats, &c | W. J. Winghart | 214,269 | Apr. 15, 1879 | 646 | 181 | 15 | 571 |
| Skelp bending and scarfing machine | B. and B. C. Lauth | 216,869 | June 24, 1879 | 993 | 281, 282 | 15 | 1038 |
| Sketching-rack | C. C. Shepherd | 212,629 | Feb. 25, 1879 | 963 | 266 | 15 | 265 |
| Skid | W. H. Douty | 215,895 | May 27, 1879 | 1064 | 310 | 15 | 861 |
| Skid | J. Hallinan | 222,898 | Dec. 23, 1879 | 918 | 264 | 16 | 1167 |
| Skirt-elevator | A. A. Campbell | 217,334 | July 8, 1879 | 457 | 133 | 16 | 70 |
| Skiving-machine | J. K. Krieg | 211,300 | Jan. 14, 1879 | 263 | 76 | 15 | 34 |
| Skiving-machine | C. E. Langmaid | 220,847 | Oct. 21, 1879 | 743 | 198 | 16 | 749 |
| Skiving-machine | J. R. Moffitt | 213,521 | Mar. 25, 1879 | 860 | 245 | 15 | 433 |
| Skylight | J. Friend | 212,307 | Feb. 18, 1879 | 563 | 158 | 15 | 204 |
| Skylight | J. L. Oakley | 222,938 | Dec. 23, 1879 | 963 | 276 | 16 | 1173 |
| Skylight-bar | A. and G. Bickelhoupt | 219,063 | Sept. 2, 1879 | 6 | 2 | 16 | 413 |
| Slag to convert the same into tiles, slabs, and blocks, Treating furnace. | J. Woodward | 221,649 | Nov. 11, 1879 | 584 | ..... | 16 | 902 |
| Slate | J. M. Dodge | 215,443 | May 20, 1879 | 552 | 162 | 15 | 786 |
| Slate | J. Hibner | 214,567 | Apr. 22, 1879 | 1008 | 283 | 15 | 625 |
| Slate | C. J. Higgins | 214,298 | Apr. 15, 1879 | 677 | 190 | 15 | 576 |
| Slate | M. F. Sullivan | 221,947 | Nov. 25, 1879 | 962 | 269 | 16 | 970 |
| Slate, Artificial | D. M. Steward | 217,713 | July 22, 1879 | 905 | ..... | 16 | 150 |
| Slate-cleaner and pencil-holder, Combined | M. Leiner | 221,833 | Nov. 18, 1879 | 811 | 225 | 16 | 940 |
| Slate-frame | H. L. Andrews | 213,028 | Mar. 11, 1879 | 313 | 87 | 15 | 345 |
| Slate-washer | S. S. Newton | 219,007 | Aug. 26, 1879 | 1060 | 299 | 16 | 393 |
| Slate, Writing and drawing | C. C. Shepherd | 220,311 | Oct. 7, 1879 | 116 | 31 | 16 | 659 |
| Slaughter-house and apparatus | J. Robertson | 222,952 | Dec. 23, 1879 | 978 | 281 | 16 | 1175 |
| Sled | J. H. Dennis | 222,024 | Nov. 25, 1879 | 1039 | 291 | 16 | 981 |
| Sled | L. R. Dexter | 213,396 | Mar. 18, 1879 | 732 | 205 | 15 | 408 |
| Sled | R. T. Ogden | 215,962 | May 27, 1879 | 1134 | 329 | 15 | 870 |
| Sled-brake | P. C. Doyle | 218,504 | Aug. 12, 1879 | 463 | 129 | 16 | 293 |
| Sled-propeller | R. Steel | 215,988 | May 27, 1879 | 1155 | 336 | 15 | 873 |
| Sled-runner | W. H. Coffman | 215,436 | May 20, 1879 | 541 | 160 | 15 | 784 |
| Sled-shoe fastening | B. F. Manning | 223,054 | Dec. 30, 1879 | 1099 | 312 | 16 | 1202 |
| Sleeve-adjuster | S. A. Felt | 222,262 | Dec. 2, 1879 | 167 | 43 | 16 | 1031 |
| Sleigh | C. T. Chase | 215,571 | May 20, 1879 | 698 | 205 | 15 | 805 |
| Sleigh | J. T. Clarkson | 218,114 | Aug. 5, 1879 | 10 | 3 | 16 | 222 |
| Sleigh | J. T. Clarkson | 220,056 | Sept. 30, 1879 | 1163 | 320 | 16 | 599 |
| Sleigh | C. R. Vandervoort and C. P. Carver. | 219,189 | Sept. 2, 1879 | 144 | 43 | 16 | 431 |
| Sleigh | A. J. Wright | 222,807 | Dec. 23, 1879 | 813 | 233 | 16 | 1151 |
| Sleigh-bell | J. M. Ackley | 219,192 | Sept. 2, 1879 | 147 | 44 | 16 | 431 |
| Sleigh-bell strap | A. A. Bevin | 215,559 | May 20, 1879 | 684 | 201 | 15 | 804 |
| Sleigh, Bob | C. C. Forncrook | 214,290 | Apr. 15, 1879 | 669 | 187 | 15 | 575 |
| Sleigh, Bob | G. Hermanco | 222,044 | Nov. 25, 1879 | 1063 | 297 | 16 | 984 |
| Sleigh-knee | P. H. Cummius | 216,156 | June 3, 1879 | 154 | 45 | 15 | 904 |
| Sleigh-runner | T. E. Price | 219,174 | Sept. 2, 1879 | 128 | 39 | 16 | 429 |
| Sleigh-shoe | N. W. Chubbuck | 222,985 | Dec. 30, 1879 | 1022 | 292 | 16 | 1192 |
| Sleigh-shoe | A. A. and J. H. Nichols | 223,062 | Dec. 30, 1879 | 1110 | 315 | 16 | 1203 |
| Sliding box and valve, Combined | L. H. Baker | 218,697 | Aug. 19, 1879 | 688 | 195 | 16 | 333 |
| Slipper, Convertible | A. S. Adler | 220,562 | Oct. 14, 1879 | 411 | 107 | 16 | 698 |

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| Slop-jar | H. L. Fowler | 220, 364 | Oct. 7, 1879 | 170 | 45 | 16 | 658 |
| Slop-jar | E. B. Jewett | 222, 405 | Dec. 9, 1879 | 325 | 92 | 16 | 1064 |
| Slop-jar | M. Stransky | 223, 185 | Dec. 30, 1879 | 1245 | 353 | 16 | 1222 |
| Sluice-gate | J. B. Tainter and T. Parker | 214, 324 | Apr. 15, 1879 | 718 | 201 | 15 | 581 |
| Smelting fine or dust ores | H. H. Eames | 216, 561 | June 17, 1879 | 633 | 179 | 15 | 982 |
| Smelting furnace, Iron | P. L. Weimer | 212, 415 | Feb. 18, 1879 | 687 | 191 | 15 | 220 |
| Smelting-furnaces, Condensing fumes from | W. Wiley, jr | 213, 722 | Mar. 25, 1879 | 1080 | 306 | 15 | 461 |
| Smoke and cinder conductor for railway-trains | S. and D. Rather, jr | 219, 762 | Sept. 16, 1879 | 802 | 221 | 16 | 533 |
| Smoke and cinder conveyer | A. Heine | 220, 832 | Oct. 21, 1879 | 728 | 193 | 16 | 747 |
| Smoke and cinder fender for railway-trains | T. B. Taylor | 214, 967 | Apr. 29, 1879 | 1450 | 404 | 15 | 690 |
| Smoke and dust excluder | J. E. Driesbach | 215, 896 | May 27, 1879 | 1065 | 310 | 15 | 861 |
| Smoke and gas consuming furnace | K. M. Jarvis | 222, 631 | Dec. 16, 1879 | 610 | 174 | 16 | 1111 |
| Smoke and spark arrester | L. P. De Turk and C. W. Olds | 216, 783 | June 24, 1879 | 894 | 254 | 15 | 1026 |
| Smoke-bells, Manufacture of | W. C. King | 214, 779 | Apr. 29, 1879 | 1252 | 350 | 15 | 664 |
| Smoke-condenser and spark-extinguisher | J. Marshall | 214, 676 | Apr. 22, 1879 | 1123 | 315 | 15 | 640 |
| Smoke-consuming attachment for steam-boilers | J. Bardsley and J. G. Clifford | 220, 113 | Sept. 30, 1879 | 1228 | 338 | 16 | 608 |
| Smoke-consuming furnace | J. G. Hunt | 222, 824 | Dec. 23, 1879 | 831 | 238 | 16 | 1154 |
| Smoke-consuming furnace for boilers | C. Smith | 212, 060 | Feb. 4, 1879 | 276 | 75 | 15 | 160 |
| Smoke-house | W. H. Scudder | 220, 436 | Oct. 7, 1879 | 249 | 66 | 16 | 669 |
| Smoke-stack | W. F. Cosgrove | 218, 937 | Aug. 26, 1879 | 986 | 277 | 16 | 384 |
| Smoke-stack | W. A. Scott and G. W. Williams | 219, 986 | Sept. 23, 1879 | 1063 | 295 | 16 | 577 |
| Smoke-stack and spark-arrester, Locomotive | W. M. K. Thornton | 216, 362 | June 10, 1879 | 407 | 117 | 15 | 943 |
| Smoke-stack and spark-arrester, Locomotive | W. M. K. Thornton | 216, 363 | June 10, 1879 | 409 | 117 | 15 | 943 |
| Smoke-stack blowing device | B. Converse | 214, 024 | Apr. 8, 1879 | 336 | 96 | 15 | 524 |
| Smoke-stack, Locomotive | J. R. Fish | 213, 407 | Mar. 18, 1879 | 742 | 208 | 15 | 409 |
| Smoke-stack, Locomotive | J. R. Fish | 215, 342 | May 13, 1879 | 432 | 128 | 15 | 760 |
| Smoke-stack, Locomotive | W. M. and A. C. Wetherill and O. Reid. | 212, 291 | Feb. 11, 1879 | 534 | 150 | 15 | 197 |
| Smoke-stacks for locomotives, &c., Cone for | F. A. Perry | 221, 185 | Nov. 4, 1879 | 51 | 14 | 16 | 819 |
| Smoker's pipe | W. Bavier | 212, 174 | Feb. 11, 1879 | 406 | 110 | 15 | 180 |
| Smoking-pipe | F. Ellery | 219, 571 | Sept. 16, 1879 | 590 | 165 | 16 | 504 |
| Smoothing and polishing iron | R. Reid | 219, 112 | Sept. 2, 1879 | 58 | 19 | 16 | 420 |
| Smut and brush machine for cleaning grain | J. M. Galt | 216, 391 | June 10, 1879 | 440 | 125, 126 | 15 | 947 |
| Smut-machine | C. H. Brazeal | 219, 904 | Sept. 23, 1879 | 972 | 269 | 16 | 565 |
| Snap-hook | C. A. A. T. de St. Aubin | 219, 031 | Aug. 26, 1879 | 1084 | 305 | 16 | 396 |
| Snap-hook | J. B. Hampton | 222, 491 | Dec. 9, 1879 | 433 | 123 | 16 | 1077 |
| Snap-hook | E. Kempshall | 212, 950 | Mar. 4, 1879 | 208 | 59 | 15 | 323 |
| Snap-hook | B. A. Lewis | 222, 635 | Dec. 16, 1879 | 619 | 177 | 16 | 1113 |
| Snap-hook | M. Ross | 217, 487 | July 15, 1879 | 636 | 181 | 16 | 105 |
| Snap-hook | J. B. Sargent | 215, 246 | May 13, 1879 | 318 | 94 | 15 | 746 |
| Snap-hook | J. Spuck | 220, 313 | Oct. 7, 1879 | 119 | 32 | 16 | 651 |
| Snap-hook | J. Stapletou | 222, 324 | Dec. 2, 1879 | 231 | 62 | 16 | 1041 |
| Snatch-block | C. Spencer | 218, 691 | Aug. 19, 1879 | 682 | 194 | 16 | 332 |
| Snath attachment | C. Sears | 221, 618 | Nov. 11, 1879 | 553 | 153 | 16 | 898 |
| Snath-fastening | L. M. Rumsey and H. L. Hewitt | 219, 655 | Sept. 16, 1879 | 692 | 192 | 16 | 517 |
| Snow-flanger | D. A. Cox | 215, 328 | May 13, 1879 | 421 | 125 | 15 | 759 |
| Snow-plow | J. M. Baldwin | 215, 860 | May 27, 1879 | 1029 | 300 | 15 | 857 |
| Snow-plow | A. Day | 220, 812 | Oct. 21, 1879 | 707 | 187 | 16 | 745 |
| Snow-plow | S. C. Hallock | 220, 141 | Sept. 30, 1879 | 1256 | 345 | 16 | 612 |
| Snow-plow | E. W. Harrison | 216, 272 | June 10, 1879 | 298 | 87, 88 | 15 | 929 |
| Snow-plow | D. Hawley | 218, 815 | Aug. 26, 1879 | 843 | 237 | 16 | 364 |
| Snow-plow | R. Payne | 221, 094 | Oct. 28, 1879 | 1043 | 277 | 16 | 798 |
| Snow plow and brush, Combined | P. Graff | 222, 036 | Nov. 25, 1879 | 1054 | 294 | 16 | 983 |
| Soap | H. G. Robertson | 217, 410 | July 8, 1879 | 537 | ..... | 16 | 80 |
| Soap | A. Smith | 219, 538 | Sept. 9, 1879 | 546 | ..... | 16 | 490 |
| Soap, Manufacture of | F. Knapp | 221, 072 | Oct. 28, 1879 | 1019 | ..... | 16 | 795 |
| Sock-protector | F. Smith | 216, 538 | June 17, 1879 | 609 | 173 | 15 | 979 |
| Sod-trimmer | H. D. Eddy | 214, 496 | Apr. 22, 1879 | 918 | 259 | 15 | 615 |
| Soda-fountains shaped liked icebergs, &c., and refrigerated to produce frost on their surface, Cover for. | T. L. Rankin | 220, 419 | Oct. 7, 1879 | 232 | 62 | 16 | 667 |
| Soda-water, Apparatus for dispensing | W. Gee | 211, 986 | Feb. 4, 1879 | 186 | 53 | 15 | 150 |
| Soda-water, &c., Apparatus for drawing | W. P. Clark | 222, 869 | Dec. 23, 1879 | 885 | 255 | 16 | 1162 |
| Sofa and chair back | J. H. Travis | 213, 012 | Mar. 4, 1879 | 282 | 79 | 15 | 333 |
| Soldering-clamp | W. H. B. Flender | 212, 675 | Feb. 25, 1879 | 1005 | 279 | 15 | 271 |
| Soldering-iron | J. J. Henry | 213, 902 | Apr. 1, 1879 | 185 | 54 | 15 | 496 |
| Soldering-iron | J. J. Henry | 219, 815 | Sept. 23, 1879 | 885 | 244 | 16 | 552 |
| Soldering-iron heater | J. Burgess | 213, 493 | Mar. 25, 1879 | 833 | 235, 236 | 15 | 429 |
| Soldering-iron heaters, Fire-pot for | J. T. Brown | 222, 237 | Dec. 2, 1879 | 143 | 36 | 16 | 1028 |
| Soldering-machine | G. Browne | 222, 005 | Nov. 25, 1879 | 1021 | 286 | 16 | 978 |
| Soldering-machine | P. Dillon and J. Cleary | 219, 568 | Sept. 16, 1879 | 586 | 164 | 16 | 503 |
| Soldering-machine | P. Dillon and J. Cleary | 219, 569 | Sept. 16, 1879 | 589 | 164 | 16 | 504 |
| Soldering-machine | J. W. Miller and B. Coll | 213, 438 | Mar. 18, 1879 | 768 | 216 | 15 | 413 |
| Soldering-machine | G. H. Perkins | 214, 441 | Apr. 15, 1879 | 846 | 238 | 15 | 597 |
| Soldering machine, Can | J. G. Jones | 221, 570 | Nov. 11, 1879 | 510 | 139 | 16 | 891 |
| Soldering, Machine for scraping tubes before and after. | E. S. Fields | 218, 249 | Aug. 5, 1879 | 162 | 43 | 16 | 242 |
| Soldering sheet-metal cans, Machine for | J. W. Farrell | 222, 480 | Dec. 9, 1879 | 422 | 120 | 16 | 1076 |
| Sole channeling and pricking machine | M. A. C. Holmes | 222, 628 | Dec. 16, 1879 | 607 | 173 | 16 | 1111 |
| Sole-edge-burnishing machine | T. P. Young | 212, 342 | Feb. 18, 1879 | 608 | 170 | 15 | 209 |
| Sole-edge-trimming tool | J. F. Cunningham | 217, 344 | July 8, 1879 | 470 | 137 | 16 | 72 |
| Sole-marking tool for channeling | J. S. Turner | 213, 712 | Mar. 25, 1879 | 1070 | 304 | 15 | 460 |
| Sole-molding machine | C. W. and W. C. Collyer | 211, 621 | Jan. 28, 1879 | 652 | 183 | 15 | 90 |
| Sole pricking and trimming machine | J. S. Turner | 215, 547 | May 20, 1879 | 667 | 194, 195 | 15 | 802 |
| Soles to uppers, Machine to unite | A. J. Wilbur | 216, 299 | June 10, 1879 | 330 | 97 | 15 | 934 |
| Sound-collector | W. H. Oakley | 220, 169 | Sept. 30, 1879 | 1288 | 354 | 16 | 616 |
| Sounding-board | L. Chase | 218, 487 | Aug. 12, 1879 | 444 | 124 | 16 | 290 |
| Sower and fertilizer-distributer, Seed | J. T. Jeter | 218, 124 | Aug. 5, 1879 | 19 | 6 | 16 | 223 |
| Sower, Hand seed | J. S. Roys | 219, 769 | Sept. 16, 1879 | 809 | 223 | 16 | 533 |
| Sower, Seed | B. F. Genthner | 222, 348 | Dec. 9, 1879 | 266 | 74 | 16 | 1055 |
| Sower, Seed and fertilizer | W. G. Humphreys | 218, 271 | Aug. 5, 1879 | 183 | 50 | 16 | 245 |
| Sowing-machine, Broad-cast | L. Coller | 211, 495 | Jan. 21, 1879 | 491 | 139 | 15 | 66 |

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|---|---|---|---|---|---|---|---|
| Sewing machine, Fertilizer | E. D. Mead | 218,759 | Aug. 19, 1879 | 754 | 215 | 16 | 342 |
| Spading-fork | E. N. Griffith | 222,695 | Dec. 16, 1879 | 685 | 197 | 16 | 1123 |
| Spark-arrester | L. H. Schwebel | 211,268 | Jan. 7, 1879 | 207 | 60 | 15 | 27 |
| Spark-arrester | E. N. Berry | 220,118 | Sept. 30, 1879 | 1232 | 339 | 16 | 609 |
| Spark-arrester | M. C. W. C. Britton | 220,958 | Oct. 28, 1879 | 888 | 237 | 16 | 778 |
| Spark-arrester | D. Burgess and J. M. Russell | 217,579 | July 15, 1879 | 736 | 210 | 16 | 118 |
| Spark-arrester | S. Byram and W. R. Hansford | 220,801 | Oct. 21, 1879 | 696 | 184 | 16 | 743 |
| Spark-arrester | A. J. Hoag | 212,002 | Feb. 4, 1879 | 202 | 58 | 15 | 152 |
| Spark-arrester | G. D. Hunter | 220,922 | Oct. 28, 1879 | 836 | 224 | 16 | 771 |
| Spark-arrester | J. L. Jacobs | 213,112 | Mar. 11, 1879 | 415 | 115 | 15 | 358 |
| Spark-arrester | C. F. Lochner | 217,542 | July 15, 1879 | 693 | 198 | 16 | 113 |
| Spark-arrester | M. Rumely | 218,643 | Aug. 19, 1879 | 632 | 178 | 16 | 325 |
| Spark-arrester | A. Talbott | 214,966 | Apr. 29, 1879 | 1450 | 404 | 15 | 690 |
| Spark-arrester | D. J. Timlin | 215,694 | May 20, 1879 | 831 | 243 | 15 | 823 |
| Spark-arrester and smoke-consumer | R. B. Miller and W. Cunningham | 211,921 | Feb. 4, 1879 | 114 | 32, 33 | 15 | 140 |
| Spark-arrester for smoke-stacks | D. J. Timlin | 223,191 | Dec. 30, 1879 | 1251 | 354 | 16 | 1223 |
| Spark-arrester, Locomotive | W. F. Grassler | 218,258 | Aug. 5, 1879 | 171 | 46 | 16 | 243 |
| Spark-arrester, Locomotive | D. Hawksworth | 221,553 | Nov. 11, 1879 | 489 | 134 | 16 | 888 |
| Spark-extinguisher | G. D. Hunter | 220,923 | Oct. 28, 1879 | 837 | 224 | 16 | 771 |
| Speaking-tubes, Alarm-whistle for | G. Hodgetts and W. Ostrander | 213,655 | Mar. 25, 1879 | 1009 | 287 | 15 | 452 |
| Speaking-tubes, Mouth-piece for | J. Gérard | 214,902 | Apr. 29, 1879 | 1387 | 386 | 15 | 681 |
| Spear, Eel | C. M. Knowles | 218,540 | Aug. 12, 1879 | 504 | 141 | 16 | 299 |
| Spectacle-bow hinge | J. S. Spencer | 217,420 | July 8, 1879 | 547 | 157 | 16 | 81 |
| Spectacle-glasses, &c., Machine for grinding | F. J. Noechel | 219,298 | Sept. 2, 1879 | 278 | 78, 79 | 16 | 447 |
| Spectacle show-box | J. J. Bausch | 215,555 | May 20, 1879 | 679 | 198 | 15 | 803 |
| Spectacles | T. A. Wilson and G. W. Meigs | 215,420 | May 13, 1879 | 510 | 151 | 15 | 771 |
| Spectacles, &c., Case for | E. J. Hauck | 219,468 | Sept. 9, 1879 | 477 | 132 | 16 | 480 |
| Speculum and electric light | S. Huffman | 220,762 | Oct. 21, 1879 | 645 | 172 | 16 | 737 |
| Speculum and syringe, Combined | W. Harz | 212,600 | Feb. 25, 1879 | 933 | 258 | 15 | 261 |
| Speculum, Application of electric light to a | M. C. F. Nitze | 218,055 | July 29, 1879 | 1284 | 368 | 16 | 206 |
| Speculum-suppositor | D. T. Gale | 213,043 | Mar. 11, 1879 | 330 | 93 | 15 | 347 |
| Speed-accelerator | J. Schofield | 222,742 | Dec. 16, 1879 | 730 | 209, 210 | 16 | 1129 |
| Speed and leeway indicator, Ship's | W. Huston | 220,622 | Oct. 14, 1879 | 476 | 125 | 16 | 707 |
| Speed and time recorder | J. D. Richardson | 219,527 | Sept. 9, 1879 | 536 | 149, 150 | 16 | 489 |
| Speed, Device for changing | J. Warwick, W. S. Marshall, and A. Simpson. | 215,417 | May 13, 1879 | 507 | 150 | 15 | 771 |
| Speed-indicator for shafts | G. W. Storer | 213,467 | Mar. 18, 1879 | 794 | 224 | 15 | 416 |
| Speed-indicator, Rotary | A. A. Sainte | 211,274 | Jan. 7, 1879 | 214 | 63 | 15 | 27 |
| Speed-regulating and braking, Automatic friction-brake and hand-lever brake for. | T. A. Weston | 217,030 | July 1, 1879 | 113 | 33 | 16 | 17 |
| Speed-regulating mechanism for cotton-sliver eveners. | J. R. Reilley | 216,630 | June 17, 1879 | 709 | 202, 203 | 15 | 992 |
| Spice, &c., canister | J. H. Preater | 218,059 | July 29, 1879 | 1291 | 369 | 16 | 207 |
| Spice-package and pastry-utensil, Combined | R. S. West | 220,781 | Oct. 21, 1879 | 674 | 178 | 16 | 740 |
| Spider | J. M. Read | 216,346 | June 10, 1879 | 393 | 112 | 15 | 941 |
| Spigot and faucet | J. Bastar | 211,954 | Feb. 4, 1879 | 153 | 44 | 15 | 146 |
| Spigot-hole shield | G. B. Cornell | 213,495 | Mar. 25, 1879 | 836 | 236 | 15 | 430 |
| Spindle: *See* Loom-shuttle spindle. Safe-spindle. Shuttle-spindle. Spinning-machine spindle. Spinning-machinery spindle. | | | | | | | |
| Spindle | J. Guffy and H. Whorwell | 220,357 | Oct. 7, 1879 | 164 | 43 | 16 | 657 |
| Spindle-bands, Device for indicating tension in the adjustment of. | W. F. Draper | 220,587 | Oct. 14, 1879 | 443 | 115 | 16 | 702 |
| Spindle-bearing | C. G. Buttrick and T. B. Flanders | 211,218 | Jan. 7, 1879 | 152 | 45 | 15 | 21 |
| Spindle for cop-shuttles | I. Eaton | 220,362 | Oct. 7, 1879 | 168 | 44 | 16 | 657 |
| Spinning and twister rings, Tool for manufacturing | G. D. Edmands | 216,729 | June 24, 1879 | 830 | 237 | 15 | 1018 |
| Spinning and weaving rooms, Electric heat and vapor governor for. | J. M. Bradford | 222,234 | Dec. 2, 1879 | 139 | 35 | 16 | 1027 |
| Spinning-frame | G. E. Taft | 222,329 | Dec. 2, 1879 | 238 | 64, 65 | 16 | 1042 |
| Spinning-frame | G. E. Taft | 222,330 | Dec. 2, 1879 | 240 | 65 | 16 | 1042 |
| Spinning frame, Ring | E. T. Lanphear | 217,389 | July 8, 1879 | 513 | 149 | 16 | 77 |
| Spinning frame, Ring and traveler | J. Birkenhead | 219,613 | Sept. 16, 1879 | 636 | 177 | 16 | 510 |
| Spinning-frames, Mechanism for supporting, adjusting, and lubricating ring. | J. W. Wattles | 218,843 | Aug. 26, 1879 | 884 | 248 | 16 | 369 |
| Spinning-frames, Yarn-guide support for ring | J. Birkenhead | 214,749 | Apr. 29, 1879 | 1215 | 341 | 15 | 659 |
| Spinning hemp yarn, Machine for | M. Furst and W. Chadwick | 214,901 | Apr. 29, 1879 | 1386 | 386 | 15 | 681 |
| Spinning-machine | H. Locks | 220,079 | Sept. 30, 1879 | 1186 | 326, 327 | 16 | 602 |
| Spinning-machine | B. Saunders | 220,946 | Oct. 28, 1879 | 868 | 232, 233 | 16 | 776 |
| Spinning-machine | T. Wrigley | 212,779 | Feb. 25, 1879 | 1119 | 311 | 15 | 286 |
| Spinning-machine boss or shell roller | R. Kelly | 215,464 | May 20, 1879 | 577 | 170 | 15 | 789 |
| Spinning-machine fliers | O. Atwood | 219,670 | Sept. 16, 1879 | 712 | 197 | 16 | 520 |
| Spinning-machine fliers | E. A. Cowper | 217,587 | July 15, 1879 | 744 | 212 | 16 | 119 |
| Spinning-machine spindle | D. Kelley | 215,935 | May 27, 1879 | 1108 | 321 | 15 | 866 |
| Spinning-machine spindle | T. Mayor | 215,142 | May 6, 1879 | 190 | 54 | 15 | 725 |
| Spinning-machine spindle | J. A. Miller | 212,725 | Feb. 25, 1879 | 1058 | 294 | 15 | 278 |
| Spinning-machine spindle-driving mechanism | J. E. Braunsdorf | 214,356 | Apr. 15, 1879 | 758 | 212 | 15 | 585 |
| Spinning-machine stop-motion | H. C. Grayson | 214,124 | Apr. 8, 1879 | 469 | 133, 134 | 15 | 539 |
| Spinning-machine top-roll | H. C. Fenton and W. H. Champlin. | 212,670 | Feb. 25, 1879 | 999 | 277 | 15 | 270 |
| Spinning-machines, Electro-magnetic stop-motion for | H. A. Chapin | 211,222 | Jan. 7, 1879 | 160 | 48 | 15 | 21 |
| Spinning-machines, Spindle-band holder for | C. E. Herrick | 212,933 | Mar. 4, 1879 | 192 | 53 | 15 | 321 |
| Spinning-machinery creel | J. Watts | 220,199 | Sept. 30, 1879 | 1325 | 366 | 16 | 622 |
| Spinning-machinery spindle | E. T. Lanphear | 220,158 | Sept. 30, 1879 | 1273 | 349 | 16 | 614 |
| Spinning mechanism, Ring-frame | J. W. Wattles | 216,987 | July 1, 1879 | 65 | 20 | 16 | 11 |
| Spinning-mule | J. Noonan | 214,690 | Apr. 22, 1879 | 1136 | 319, 320 | 15 | 642 |
| Spinning mule and jack | J. Abbott | 218,849 | Aug. 26, 1879 | 891 | 249 | 16 | 370 |

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|---|---|---|---|---|---|---|---|
| Spinning mule and jack | B. A. Dobson and J. Macqueen | 213, 634 | Mar. 25, 1879 | 987 | 280, 281 | 15 | 449 |
| Spinning-mules, Automatic clearer for | J. Bramble | 214, 988 | May 6, 1879 | 8 | 3 | 15 | 703 |
| Spinning-mules, Automatic clearer for | S. Mock | 217, 293 | July 8, 1879 | 411 | 122 | 16 | 65 |
| Spinning-mules, Momentum-brake for | W. A. Parkhurst | 219, 508 | Sept. 9, 1879 | 517 | 144 | 16 | 486 |
| Spinning-mules, Momentum-brake for | J. D. Stanwood | 216, 236 | June 3, 1879 | 235 | 70 | 15 | 914 |
| Spinning-ring | G. D. Edmands | 216, 728 | June 24, 1879 | 829 | 236 | 15 | 1018 |
| Spinning-ring | G. D. Edmands | 216, 731 | June 24, 1879 | 834 | 238 | 15 | 1019 |
| Spinning-ring | H. L. Pierce | 216, 345 | June 10, 1879 | 392 | 112 | 15 | 941 |
| Spinning-ring and method of forming the same | G. F. Wilson | 218, 803 | Aug. 19, 1879 | 804 | 228 | 16 | 349 |
| Spinning-ring holder and clearer | T. Coulthard | 218, 236 | Aug. 5, 1879 | 148 | 40 | 16 | 240 |
| Spinning-ring traveler | H. L. Peirce | 216, 806 | June 24, 1879 | 923 | 263 | 15 | 1030 |
| Spinning-rings, Tool for making | G. D. Edmands | 216, 730 | June 24, 1879 | 832 | 237 | 15 | 1019 |
| Spinning rope-yarn, &c., Machine for | O. Sheehan | 220, 876 | Oct. 21, 1879 | 774 | 206 | 16 | 754 |
| Spinning-spindle and mechanism for driving the same. | J. E. Braunsdorf | 214, 355 | Apr. 15, 1879 | 757 | 212 | 15 | 585 |
| Spinning-spindles and their supports | J. Birkenhead | 214, 750 | Apr. 29, 1879 | 1216 | 342 | 15 | 660 |
| Spirals, Machine for cutting wood | W. Morgan | 211, 923 | Feb. 4, 1879 | 116 | 33 | 15 | 101 |
| Spittoon | W. W. Climenson | 218, 232 | Aug. 5, 1879 | 142 | 39 | 16 | 239 |
| Spoke-driving machine | L. Rakow and C. H. Kunke | 220, 418 | Oct. 7, 1879 | 230 | 62 | 16 | 666 |
| Spoke-pointer | E. C. Stearns | 220, 442 | Oct. 7, 1879 | 255 | 68 | 16 | 670 |
| Spoke sawing and tenoning apparatus | S. G. Mason | 216, 049 | June 3, 1879 | 49 | 13 | 15 | 891 |
| Spoke-setting machine | A. Dilts | 219, 699 | Sept. 16, 1879 | 740 | 205 | 16 | 524 |
| Spoke-setting machine | N. T. Edson | 221, 402 | Nov. 11, 1879 | 309 | 84 | 16 | 864 |
| Spoke-shave | C. Spring | 213, 257 | Mar. 11, 1879 | 571 | 159 | 15 | 378 |
| Spoke tenon, Wagon | C. K. Wilcox | 218, 207 | Aug. 5, 1879 | 117 | 32 | 16 | 236 |
| Spoke-tenoning and felly-boring machine | O. J. Doerty and P. C. Tritch | 211, 976 | Feb. 4, 1879 | 177 | 50 | 15 | 149 |
| Spoke-tenoning machine | A. J. Roberts | 212, 507 | Feb. 18, 1879 | 815 | 226 | 15 | 237 |
| Sponge-cup | H. Friedlander | 220, 600 | Oct. 14, 1879 | 457 | 119 | 16 | 704 |
| Spool | H. Eldridge | 218, 722 | Aug. 19, 1879 | 714 | 203 | 16 | 337 |
| Spool | T. F. Taft | 218, 646 | Aug. 19, 1879 | 636 | 179 | 16 | 325 |
| Spool | S. H. Woodbury and W. T. Gray | 217, 186 | July 1, 1879 | 287 | 85 | 16 | 40 |
| Spool and bobbin | O. E. Wait | 217, 655 | July 15, 1879 | 821 | 234 | 16 | 129 |
| Spool-blanks, Machine for making | J. M. Johnson and C. E. Burns | 216, 331 | June 10, 1879 | 373 | 107 | 15 | 939 |
| Spool-case | L. N. B. Gray | 212, 215 | Feb. 11, 1879 | 456 | 125 | 15 | 186 |
| Spool-holder | W. J. Doyle | 211, 386 | Jan. 14, 1879 | 371 | 106 | 15 | 48 |
| Spool or bobbin, Metallic | G. A. Lambert | 213, 761 | Apr. 1, 1879 | 33 | 11 | 15 | 477 |
| Spools, Machine for making | H. E. Kay | 214, 300 | Apr. 15, 1879 | 679 | 190, 191 | 15 | 576 |
| Spools, Tension device for thread | R. O. Burgess | 212, 893 | Mar. 4, 1879 | 143 | 40 | 15 | 314 |
| Spools, Thread-fastening on | W. E. Barrows | 215, 786 | May 27, 1879 | 937 | 275 | 15 | 846 |
| Spools, Tool for turning the ends of | T. E. King | 215, 005 | May 6, 1879 | 24 | 9 | 15 | 706 |
| Spooling-guide | C. Sullivan | 215, 990 | May 27, 1879 | 1157 | 336 | 15 | 873 |
| Spooling machinery, Thread | J. W. West | 220, 555 | Oct. 14, 1879 | 402 | 104, 105 | 16 | 697 |
| Spooling-machines, &c., Thread-guide for | J. E. Atwood | 221, 268 | Nov. 4, 1879 | 142 | 39 | 16 | 832 |
| Spoon | M. Friedly | 211, 233 | Jan. 7, 1879 | 179 | 50 | 15 | 23 |
| Spoon and fork | R. Wallace | 220, 003 | Sept. 23, 1879 | 1082 | 300 | 16 | 580 |
| Spoon, Medicine | B. T. Trueblood | 222, 549 | Dec. 9, 1879 | 499 | 141 | 16 | 1086 |
| Spoon, Nursery and medical | J. W. Force | 212, 677 | Feb. 25, 1879 | 1007 | 280 | 15 | 271 |
| Spoons and forks, Manufacture of | R. Wallace | 220, 002 | Sept. 23, 1879 | 1080 | 299, 300 | 16 | 580 |
| Spoons, Die for the manufacture of | T. Shaw | 215, 485 | May 20, 1879 | 602 | 176, 177 | 15 | 792 |
| Spoons, &c., Manufacture of | A. E. and A. W. Lyman | 220, 080 | Sept. 30, 1879 | 1189 | 327 | 16 | 603 |
| Spoons, Manufacture of | J. M. Perkins | 222, 729 | Dec. 16, 1879 | 717 | 206 | 16 | 1127 |
| Spout, Reversible | H. J. Quigley | 211, 783 | Jan. 28, 1879 | 840 | 235 | 15 | 115 |
| Spouts, Funnel attachment to | R. T. Payne and O. P. Richards | 220, 653 | Oct. 14, 1879 | 512 | 135 | 16 | 711 |
| Spring: *See* Bed-spring. Buffer-spring. Car-spring. Corset-spring. Door-spring. Draft-spring. Elliptic spring. Vehicle-spring. Vehicle platform-spring. Vehicle side-spring. Wagon-spring. Watch-barrel retaining-spring. Watch-case spring. | | | | | | | |
| Spring and dead-bolt, Combined | W. A. Nettleton | 216, 341 | June 10, 1879 | 388 | 110 | 15 | 940 |
| Spring-clasp | E. U. Atkinson | 215, 037 | May 6, 1879 | 60 | 18 | 15 | 710 |
| Spring-clasp | C. Strickrodt | 220, 680 | Oct. 14, 1879 | 539 | 143 | 16 | 715 |
| Spring-clasp for braid and ribbon packages | H. Wolcott | 222, 115 | Nov. 25, 1879 | 1145 | 323 | 16 | 996 |
| Spring-motor | J. B. Powell | 219, 015 | Aug. 26, 1879 | 1068 | 301 | 16 | 394 |
| Springs, Machine for shaping | S. A. Case | 212, 895 | Mar. 4, 1879 | 146 | 40 | 15 | 314 |
| Sprinkler: *See* Cotton-sprinkler. Lawn-sprinkler. Lawn or garden sprinkler. Plant-sprinkler. Railway-rail sprinkler. | | | | | | | |
| Sprinkler | M. H. Campion | 218, 366 | Aug. 12, 1879 | 301 | 82 | 16 | 272 |
| Sprinkler | J. H. O'Connor | 218, 560 | Aug. 12, 1879 | 526 | 148 | 16 | 303 |
| Sprinkling-can | G. F. Payne | 212, 321 | Feb. 18, 1879 | 582 | 162 | 15 | 206 |
| Spur | T. Beck | 217, 853 | July 29, 1879 | 1066 | 306 | 16 | 177 |
| Spur | T. Beck | 219, 199 | Sept. 2, 1879 | 154 | 46 | 16 | 432 |
| Spur | T. Beck | 219, 341 | Sept. 9, 1879 | 337 | 95 | 16 | 463 |
| Spur | J. S. Brown | 215, 504 | May 20, 1879 | 623 | 182 | 15 | 795 |
| Spur | A. Buermann | 218, 705 | Aug. 19, 1879 | 696 | 198 | 16 | 334 |
| Spur | A. Buermann | 218, 925 | Aug. 26, 1879 | 974 | 274 | 16 | 382 |
| Square and bevel, Combined | J. D. Hobbs | 222, 354 | Dec. 9, 1879 | 273 | 76 | 16 | 1056 |
| Square, Perspective T | E. M. Hamilton | 222, 271 | Dec. 2, 1879 | 176 | 46 | 16 | 1032 |
| Square, Try | L. S. Starrett | 215, 024 | May 6, 1879 | 45 | 14 | 15 | 708 |
| Stage, Carpenter's and painter's | J. S. Schenck | 218, 581 | Aug. 12, 1879 | 545 | 154 | 16 | 305 |
| Stair-curves, Instrument for scribing | J. A. Caldwell | 211, 132 | Jan. 7, 1879 | 59 | 19 | 15 | 8 |
| Stair-pad, carpet-lining, &c | J. A. Sperry | 220, 440 | Oct. 7, 1879 | 253 | 67 | 16 | 670 |
| Stair-rod holder | G. F. Kuhnle | 214, 157 | Apr. 8, 1879 | 500 | 142 | 15 | 543 |
| Stairs, Folding spiral | B. F. Card | 214, 022 | Apr. 8, 1879 | 334 | 96 | 15 | 524 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Stalk-cutter | W. J. Brittain | 217,856 | July 29, 1879 | 307 | 1967 | 16 | 177 |
| Stalk-cutter | J. Kratt | 216,684 | June 17, 1879 | 765 | 218 | 15 | 1009 |
| Stalk-cutter | D. Urie | 214,971 | Apr. 29, 1879 | 1455 | 405 | 15 | 691 |
| Stall and stable-door releasing device, Animal | J. W. Bartleson | 216,819 | June 24, 1879 | 933 | 266 | 15 | 1031 |
| Stall, Cattle | J. B. Greenhut | 218,522 | Aug. 12, 1879 | 485 | 135 | 16 | 296 |
| Stall for vessels, Cattle | B. Albee | 215,855 | May 27, 1879 | 1924 | 298 | 15 | 856 |
| Stall on shipboard, Horse | J. Arless | 216,129 | June 3, 1879 | 128 | 38 | 15 | 991 |
| Stalls, Fastening and releasing device for cattle | J. D. Watters | 215,418 | May 13, 1879 | 508 | 159 | 15 | 771 |
| Stamp, Adjustable perforating | F. C. Roberts and B. A. Hathaway. | 217,640 | July 15, 1879 | 803 | 229 | 16 | 126 |
| Stamp-affixing apparatus | M. Simon | 217,244 | July 8, 1879 | 364 | 107 | 16 | 59 |
| Stamp-battery for quartz-mills | R. F. Bridewell | 215,090 | May 6, 1879 | 119 | 35 | 15 | 717 |
| Stamp, Branding | F. O. C. Moore | 214,687 | Apr. 22, 1879 | 1134 | 318 | 15 | 641 |
| Stamp-canceler | E. W. Brenner | 216,139 | June 3, 1879 | 138 | 41 | 15 | 902 |
| Stamp-canceler | J. W. Brown and W. D. Doremus. | 220,015 | Sept. 30, 1879 | 1102 | 395 | 16 | 591 |
| Stamp-canceler | J. A. McClelland | 222,967 | Nov. 25, 1879 | 1089 | 396 | 16 | 988 |
| Stamp, Canceling | A. Hughes | 213,333 | Mar. 18, 1879 | 679 | 188 | 15 | 399 |
| Stamp, Canceling | G. W. Stephens | 214,727 | Apr. 22, 1879 | 1179 | 331 | 15 | 647 |
| Stamp, Canceling and dating | W. J. Blackwell | 215,866 | May 27, 1879 | 1034 | 302 | 15 | 857 |
| Stamp-canceling device | C. C. Egerton and M. and T. Snell. | 223,035 | Dec. 30, 1879 | 1076 | 307 | 16 | 1199 |
| Stamp for cigars, Revenue | W. D. O'Connor | 212,259 | Feb. 11, 1879 | 500 | 139 | 15 | 192 |
| Stamp, Hand | B. F. Asper | 221,764 | Nov. 18, 1879 | 722 | 201 | 16 | 929 |
| Stamp, Hand | E. D. Chamberlain and S. J. Marden. | 220,521 | Oct. 14, 1879 | 356 | 94 | 16 | 691 |
| Stamp, Hand | G. K. Cooke | 216,835 | June 24, 1879 | 955 | 272 | 15 | 1034 |
| Stamp, Hand | B. B. Hill | 221,731 | Nov. 18, 1879 | 688 | 192 | 16 | 924 |
| Stamp, Hand | J. Murdock, jr | 215,546 | July 15, 1879 | 697 | 199 | 16 | 113 |
| Stamp, Hand | J. F. Tenney and J. H. Reese | 216,067 | June 3, 1879 | 66 | 18 | 15 | 893 |
| Stamp, Hand | F. B. Wood | 215,195 | May 6, 1879 | 241 | 71 | 15 | 733 |
| Stamp, Hand canceling | J. T. A. Lewis | 215,526 | May 20, 1879 | 646 | 188 | 15 | 799 |
| Stamp holder, Revenue | C. J. Sands | 220,431 | Oct. 7, 1879 | 243 | 65 | 16 | 668 |
| Stamp-mill | H. Ahlborn | 222,371 | Dec. 9, 1879 | 288 | 80 | 16 | 1058 |
| Stamp-mill | C. S. Stanchfield | 215,074 | May 6, 1879 | 100 | 30 | 15 | 715 |
| Stamp-mill cam | L. A. Moore and J. Dykes | 221,738 | Nov. 18, 1879 | 694 | 194 | 16 | 925 |
| Stamp-mill cam | J. G. Ribon | 214,954 | Apr. 29, 1879 | 1439 | 490 | 15 | 689 |
| Stamp-mill cam | J. Scott | 215,980 | May 27, 1879 | 1149 | 334 | 15 | 872 |
| Stamp-mills, Guide for the stems of | W. Raup | 221,473 | Nov. 11, 1879 | 392 | 107, 108 | 16 | 875 |
| Stamp-mills, Ore-feeder for | D. H. Anderson | 213,373 | Mar. 18, 1879 | 707 | 198 | 15 | 405 |
| Stamp, Perforating | W. H. Campbell | 211,619 | Jan. 28, 1879 | 648 | 182 | 15 | 89 |
| Stamp, Perforating | W. W. Gelatt | 211,627 | Jan. 28, 1879 | 669 | 185 | 15 | 91 |
| Stamp, Perforating | S. Murset and J. M. Crawford | 215,386 | May 13, 1879 | 470 | 141 | 15 | 766 |
| Stamp, Perforating | H. H. Norrington | 220,412 | Oct. 7, 1879 | 224 | 60 | 16 | 665 |
| Stamp, Perforating | H. H. Norrington | 223,161 | Dec. 30, 1879 | 1223 | 346 | 16 | 1219 |
| Stamp, Perforating | J. P. Norton and J. Ramsey, jr. | 220,984 | Oct. 28, 1879 | 918 | 245 | 16 | 782 |
| Stamp, Perforating | H. L. Poirier | 218,312 | Aug. 5, 1879 | 228 | 61 | 16 | 251 |
| Stamp, Perforating | B. D. Stevens | 215,303 | May 13, 1879 | 398 | 118 | 15 | 756 |
| Stamp, Perforating canceling | W. S. Greene | 218,622 | Aug. 19, 1879 | 612 | 172 | 16 | 322 |
| Stamp, Perforating canceling | J. L. Tucker | 217,173 | July 1, 1879 | 270 | 89 | 16 | 37 |
| Stamp, Postage and revenue | J. Sangster | 220,992 | Sept. 30, 1879 | 1208 | 332 | 16 | 605 |
| Stamp, Postage and revenue | K. Wheeler | 212,416 | Feb. 18, 1879 | 688 | 192 | 15 | 221 |
| Stamp protector and bung-retainer, Beer | F. A. Stegner | 215,178 | May 6, 1879 | 221 | 65 | 15 | 730 |
| Stamp, Revenue | C. J. Sands | 220,430 | Oct. 7, 1879 | 242 | 65 | 16 | 668 |
| Stamp, Rotary hand | J. F. De Buigne | 220,518 | Oct. 14, 1879 | 352 | 93 | 16 | 691 |
| Stamp type, Holder for hand | J. Murdock, jr | 216,340 | June 10, 1879 | 387 | 110 | 15 | 949 |
| Stamps, Machine for affixing postage | G. M. Barney | 214,232 | Apr. 15, 1879 | 690 | 171 | 15 | 565 |
| Stamping-mill | A. B. Lipsey | 216,198 | June 3, 1879 | 198 | 59 | 15 | 910 |
| Stamping-mills, Guide for the stems of | C. Crane and W. Raup | 213,177 | Mar. 11, 1879 | 492 | 136 | 15 | 368 |
| Stamping spools, Machine for | W. R. Landfear | 221,736 | Nov. 18, 1879 | 692 | 194 | 16 | 925 |
| Stand: *See* Barrel-stand. Cigar-stand. Egg-stand. Flower-stand. Flower and work stand. Heating-stand. Ironing-stand. Lamp-stand. Music-stand. Railway-switch stand. Shelf-stand. Toilet-stand. Work-basket stand. | | | | | | | |
| Stand for decanters, bottles, and jars | G., G. W., and J. Betjemann | 212,886 | Mar. 4, 1879 | 133 | 38 | 15 | 313 |
| Stand for ice-pitchers | T. Leach | 215,373 | May 13, 1879 | 459 | 138 | 15 | 764 |
| Stand for ice-pitchers | T. Leach | 220,393 | Oct. 7, 1879 | 204 | 55 | 16 | 663 |
| Stand-pipe | E. Lewis, W. A. Maloney, and T. M. King. | 217,013 | July 1, 1879 | 91 | 27 | 16 | 14 |
| Stand-pipe and ladder, Adjustable | W. A. Tidball and A. E. Spencer. | 212,871 | Mar. 4, 1879 | 104 | 31 | 15 | 311 |
| Staple-fastener | G. W. McGill | 214,166 | Apr. 8, 1879 | 508 | 144 | 15 | 544 |
| Staple-inserting device | G. W. McGill | 220,933 | Oct. 28, 1879 | 852 | 228, 229 | 16 | 774 |
| Staple-inserting machine | G. W. McGill | 220,932 | Oct. 28, 1879 | 850 | 228 | 16 | 773 |
| Staple-inserting machine | G. W. McGill | 220,934 | Oct. 28, 1879 | 853 | 229 | 16 | 774 |
| Staple-machine | W. M. Collins | 212,441 | Feb. 18, 1879 | 724 | 200 | 15 | 225 |
| Staple-puller | R. L. Taylor | 218,082 | July 29, 1879 | 1316 | 378 | 16 | 210 |
| Staples, Apparatus for inserting, bending, and clinching metallic. | J. Shellenberger | 221,979 | Nov. 25, 1879 | 997 | 279 | 16 | 975 |
| Staples, Apparatus for inserting wire | J. Shellenberger | 218,143 | Aug. 5, 1879 | 43 | 12 | 16 | 226 |
| Staples, Die for making stock-bell | W. J. Brown, jr | 218,227 | Aug. 5, 1879 | 138 | 38 | 16 | 239 |
| Staples in paper, &c., Device for inserting metallic. | O. B. Wilson | 220,558 | Oct. 14, 1879 | 408 | 106 | 16 | 698 |
| Staples, Device for inserting and clinching metallic. | G. W. McGill | 212,316 | Feb. 18, 1879 | 571 | 160 | 15 | 205 |
| Staples, Machine for inserting and clinching metallic. | W. J. Brown, jr | 216,144 | June 3, 1879 | 142 | 42 | 15 | 903 |
| Staples, Machine for making | J. Shellenberger | 222,205 | Dec. 2, 1879 | 101 | 25 | 16 | 1022 |
| Staples, Machine for making | T. Tracy | 218,691 | Aug. 12, 1879 | 568 | 160 | 16 | 308 |
| Starch-clearing, &c., woven fabrics, Process and machinery for. | I. E. Palmer | 222,527 | Dec. 9, 1879 | 468 | 133 | 16 | 1082 |
| Starch compound | L. G. Hegi | 214,910 | Apr. 29, 1879 | 1396 | ..... | 15 | 683 |

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| Starch, Manufacturing | G. Burkhardt | 213, 320 | Mar. 18, 1879 | 653 | ..... | 15 | 397 |
| Station-indicator | J. Butcher | 217, 198 | July 8, 1879 | 314 | 93 | 16 | 52 |
| Station-indicator | C. G. Damaschky | 217, 730 | July 22, 1879 | 925 | 265 | 16 | 152 |
| Station-indicator | J. R. and W. J. Dearden | 221, 160 | Nov. 4, 1879 | 25 | 7 | 16 | 816 |
| Station-indicator | Z. M. Hibbard | 214, 776 | Apr. 29, 1879 | 1247 | 349 | 15 | 663 |
| Station-indicator | P. Lichtenstein | 215, 138 | May 6, 1879 | 186 | 53 | 15 | 725 |
| Station-indicator for railways | F. H. Young | 219, 791 | Sept. 16, 1879 | 838 | 231 | 16 | 537 |
| Stationary and portable fountain-tip | A. Weber | 216, 920 | June 24, 1879 | 1050 | 297 | 15 | 1046 |
| Stave and vessel formed of staves | J. Donald | 222, 987 | Dec. 30, 1879 | 1026 | 293 | 16 | 1192 |
| Stave chamfering and crozing machine | W. C. Gardner and W. Stephenson. | 216, 786 | June 24, 1879 | 897 | 255 | 15 | 1027 |
| Stave crozing and chamfering machine | H. H. Dunlevy | 212, 448 | Feb. 18, 1879 | 738 | 203 | 15 | 227 |
| Stave-cutting machine | W. Sisson | 222, 085 | Nov. 25, 1879 | 1110 | 312 | 16 | 991 |
| Stave-sawing machine | P. T. Baker | 220, 331 | Oct. 7, 1879 | 135 | 37 | 16 | 653 |
| Steak-tenderer | E. Richmond | 212, 505 | Feb. 18, 1879 | 812 | 225 | 15 | 237 |
| Steam and air brakes, Operating-valve for | G. Westinghouse, jr | 216, 545 | June 17, 1879 | 614 | 174 | 15 | 979 |
| Steam and hot-air kiln for drying lumber, &c | C. Wilcox | 215, 193 | May 6, 1879 | 235 | 69, 70 | 15 | 732 |
| Steam and other boilers | S. Thacker | 222, 429 | Dec. 9, 1879 | 356 | 100, 101 | 16 | 1067 |
| Steam and water gage | T. Holland | 221, 919 | Nov. 25, 1879 | 926 | 259 | 16 | 966 |
| Steam, Apparatus for utilizing exhaust | N. W. Ericson | 217, 785 | July 22, 1879 | 978 | 279 | 16 | 159 |
| Steamboats, Construction of | J. Cunningham | 217, 928 | July 29, 1879 | 1149 | 329 | 16 | 189 |
| Steam-boiler | C. Bried | 221, 510 | Nov. 11, 1879 | 437 | 118 | 16 | 881 |
| Steam-boiler | W. H. Brown and F. J. Seymour. | 222, 450 | Dec. 9, 1879 | 376 | 106 | 16 | 1070 |
| Steam-boiler | E. Crompton | 220, 060 | Sept. 30, 1879 | 1169 | 321 | 16 | 600 |
| Steam-boiler | G. D. Daly | 214, 631 | Apr. 22, 1879 | 1077 | 302 | 15 | 635 |
| Steam-boiler | R. R. Doan | 214, 285 | Apr. 15, 1879 | 665 | 186 | 15 | 574 |
| Steam-boiler | G. W. Doolittle | 212, 909 | Mar. 4, 1879 | 159 | 44 | 15 | 317 |
| Steam-boiler | A. Elvin | 221, 044 | Oct. 28, 1879 | 990 | 262 | 16 | 791 |
| Steam-boiler | A. H. Fowler | 212, 918 | Mar. 4, 1879 | 176 | 48 | 15 | 319 |
| Steam-boiler | A. Gillitzer | 221, 049 | Oct. 28, 1879 | 996 | 264 | 16 | 792 |
| Steam-boiler | W. Hopkins | 213, 422 | Mar. 18, 1879 | 755 | 212 | 15 | 411 |
| Steam-boiler | T. S. La France | 214, 402 | Apr. 15, 1879 | 808 | 227 | 15 | 592 |
| Steam-boiler | G. Mann | 221, 837 | Nov. 18, 1879 | 816 | 227 | 16 | 941 |
| Steam-boiler | W. Moore | 219, 292 | Sept. 2, 1879 | 269 | 76 | 16 | 445 |
| Steam-boiler | J. M. Simpson | 211, 350 | Jan. 14, 1879 | 328 | 97 | 15 | 43 |
| Steam-boiler | F. C. Weir | 214, 855 | Apr. 29, 1879 | 1342 | 373 | 15 | 676 |
| Steam-boiler | E. A. and W. E. Wood | 218, 695 | Aug. 19, 1879 | 687 | 195 | 16 | 333 |
| Steam-boiler and furnace | M. N. Laufenburg | 215, 466 | May 20, 1879 | 579 | 170 | 15 | 790 |
| Steam-boiler and pipe-covering | G. Kelly | 212, 607 | Feb. 25, 1879 | 941 | 260 | 15 | 262 |
| Steam-boiler attachment | G. Kratz | 211, 099 | Jan. 7, 1879 | 21 | 7 | 15 | 3 |
| Steam-boiler attachment | F. W. Kremer | 218, 542 | Aug. 12, 1879 | 507 | 142 | 16 | 300 |
| Steam-boiler circulating-tube | R. E. Sherlock and J. E. Booth | 217, 710 | July 22, 1879 | 903 | 258 | 16 | 149 |
| Steam-boiler cleaner | H. Poe | 218, 771 | Aug. 19, 1879 | 768 | 218 | 16 | 344 |
| Steam-boiler, Coil | W. S. Salisbury | 219, 311 | Sept. 2, 1879 | 294 | 82 | 16 | 449 |
| Steam-boiler covering | C. Toope | 218, 340 | Aug. 5, 1879 | 259 | 70 | 16 | 255 |
| Steam-boiler, Fire-tube | J. Cowhig | 212, 301 | Feb. 18, 1879 | 558 | 156 | 15 | 203 |
| Steam-boiler flues, Fire-stop for | C. S. Dean | 215, 583 | May 20, 1879 | 714 | 208 | 15 | 807 |
| Steam-boiler indicator | W. Starkey | 217, 245 | July 8, 1879 | 364 | 107, 108 | 16 | 59 |
| Steam-boiler, Sectional | F. H. Purinton | 215, 670 | May 20, 1879 | 805 | 235 | 15 | 820 |
| Steam-boiler, Tubular | G. H. Corliss | 215, 798 | May 27, 1879 | 952 | 279 | 15 | 847 |
| Steam-boiler, Upright | G. Miles | 214, 171 | Apr. 8, 1879 | 512 | 146 | 15 | 545 |
| Steam-boiler, Upright | P. Quinn | 213, 837 | Apr. 1, 1879 | 115 | 35 | 15 | 487 |
| Steam-boiler, Upright | W. Spiegel | 217, 421 | July 8, 1879 | 547 | 157 | 16 | 81 |
| Steam-boiler, Vertical | V. Pendred | 218, 397 | Aug. 12, 1879 | 333 | 92 | 16 | 276 |
| Steam-boilers, Heating and circulating device for | C. Smith | 211, 802 | Jan. 28, 1879 | 862 | 241 | 15 | 117 |
| Steam-boilers, Indicator for water-supply pipes of | C. Sprod | 212, 758 | Feb. 25, 1879 | 1094 | 303 | 15 | 283 |
| Steam-boilers, Low-water alarm for | J. F. Thompson | 220, 262 | Oct. 7, 1879 | 58 | 15 | 16 | 642 |
| Steam-boilers, Mud and water discharge for | T. McIlvain and W. Spiegel | 213, 582 | Mar. 25, 1879 | 932 | 265 | 15 | 441 |
| Steam-boilers, Muffler for | F. W. Richardson | 213, 348 | Mar. 18, 1879 | 685 | 192 | 15 | 401 |
| Steam-boilers, Preventing incrustations in | A. P. Doen and J. C. C. Miller | 213, 498 | Mar. 25, 1879 | 839 | 237 | 15 | 430 |
| Steam-boilers, Regulating device for | A. C. Harrison | 214, 655 | Apr. 22, 1879 | 1101 | 308 | 15 | 637 |
| Steam-boilers, Superheater for | H. Schaubel | 220, 670 | Oct. 14, 1879 | 530 | 140 | 16 | 714 |
| Steam-boilers, Surface blow-off for | L. Reinhardt | 215, 161 | May 6, 1879 | 207 | 60 | 15 | 728 |
| Steam-boilers, Water-front for horizontal | G. H. Rheutan | 222, 735 | Dec. 16, 1879 | 724 | 207 | 16 | 1129 |
| Steam-boilers, Water supply and heater for | B. Ford | 220, 598 | Oct. 14, 1879 | 455 | 118 | 16 | 704 |
| Steam-brake | M. A. Lovell | 220, 482 | Oct. 14, 1879 | 313 | 83 | 16 | 686 |
| Steam-brake | G. W. Miles | 223, 002 | Dec. 30, 1879 | 1042 | 299 | 16 | 1195 |
| Steam-brake | W. Patterson | 211, 775 | Jan. 28, 1879 | 829 | 233 | 15 | 113 |
| Steam-brake for locomotives, &c | W. L. Card | 212, 439 | Feb. 18, 1879 | 722 | 199 | 15 | 225 |
| Steam-brake for locomotives | J. Hickey | 221, 562 | Nov. 11, 1879 | 499 | 136 | 16 | 890 |
| Steam-condensing and feed-water heating apparatus. | B. T. Babbitt | 212, 169 | Feb. 11, 1879 | 401 | 109 | 11 | 179 |
| Steam-condensing and feed-water heating apparatus. | B. T. Babbitt | 220, 110 | Sept. 30, 1879 | 1223 | 337 | 16 | 608 |
| Steam-condensing pipe | G. P. Smith | 223, 072 | Dec. 30, 1879 | 1123 | 318 | 16 | 1205 |
| Steam-drill | J. Neff | 217, 952 | July 29, 1879 | 1174 | 337 | 16 | 192 |
| Steam-engine | E. Cope and J. R. Maxwell | 218, 666 | Aug. 19, 1879 | 658 | 186 | 16 | 329 |
| Steam-engine | M. Davison | 218, 943 | Aug. 26, 1879 | 991 | 278 | 16 | 385 |
| Steam-engine | A. Ehret | 221, 224 | Nov. 4, 1879 | 93 | 24 | 16 | 824 |
| Steam-engine | W. H. Garlock and R. Cooke | 217, 088 | July 1, 1879 | 186 | 54 | 16 | 26 |
| Steam-engine | D. Gough | 214, 646 | Apr. 22, 1879 | 1092 | 306 | 15 | 636 |
| Steam-engine | G. A. Gray, jr | 218, 171 | Aug. 5, 1879 | 75 | 20 | 16 | 230 |
| Steam-engine | H. A. Jamieson | 213, 573 | Mar. 25, 1879 | 922 | 262 | 15 | 440 |
| Steam-engine | W. Moore | 219, 496 | Sept. 9, 1879 | 506 | 140 | 16 | 484 |
| Steam-engine | N. E. Nash | 218, 051 | July 29, 1879 | 1281 | 366 | 16 | 205 |
| Steam-engine | C. Tyson | 220, 043 | Sept. 30, 1879 | 1143 | 315 | 16 | 596 |
| Steam-engine | H. A. Walker | 217, 656 | July 15, 1879 | 822 | 234 | 16 | 129 |
| Steam-engine | R. Walton | 220, 320 | Oct. 7, 1879 | 125 | 34 | 16 | 652 |
| Steam-engine | E. S. Westcott | 216, 636 | June 17, 1879 | 713 | 204 | 15 | 993 |
| Steam-engine, Balance | J. O. Baird | 216, 818 | June 24, 1879 | 932 | 266 | 15 | 1031 |
| Steam-engine beam | G. H. Corliss | 215, 808 | May 27, 1879 | 964 | 282 | 15 | 849 |
| Steam-engine boiler and cylinder | T. J. Fales | 214, 287 | Apr. 15, 1879 | 666 | 186 | 15 | 574 |
| Steam-engine-boiler bottom | T. J. Fales | 221, 452 | Nov. 11, 1879 | 362 | 100 | 16 | 871 |
| Steam-engine, Compound | G. H. Corliss | 215, 799 | May 27, 1879 | 953 | 279 | 15 | 847 |
| Steam-engine, Compound | M. B. Harvey | 218, 528 | Aug. 12, 1879 | 491 | 137 | 16 | 297 |

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| Steam-engine cylinder | G. H. Corliss | 215, 807 | May 27, 1879 | 963 | 282 | 15 | 849 |
| Steam-engine cylinders, Lubricating apparatus for | J. Wheelock | 221, 132 | Oct. 28, 1879 | 1077 | 284 | 16 | 802 |
| Steam-engine lubricator | P. Barclay | 223, 092 | Dec. 30, 1879 | 1150 | 324 | 16 | 1208 |
| Steam-engine lubricator | E. G. Felthousen | 215, 271 | May 13, 1879 | 351 | 102 | 15 | 750 |
| Steam-engine, Portable | H. K. Kriebel | 222, 996 | Dec. 30, 1879 | 1035 | 296, 297 | 16 | 1194 |
| Steam-engine recorder | G. H. Crosby | 219, 149 | Sept. 2, 1879 | 101 | 30 | 16 | 425 |
| Steam-engine regulating device | C. C. Jenkins | 213, 202 | Mar. 11, 1879 | 514 | 143 | 15 | 371 |
| Steam-engine regulator | P. Gately | 217, 275 | July 8, 1879 | 396 | 117 | 16 | 62 |
| Steam-engines, Apparatus for regulating the supply of steam to. | J. E. C. Koch and F. W. Durham | 218, 541 | Aug. 12, 1879 | 505 | 141 | 16 | 300 |
| Steam-engines, Connecting-rod for | L. Skinner | 220, 500 | Oct. 14, 1879 | 332 | 88 | 16 | 688 |
| Steam-feed and hoisting apparatus | W. J. Ansorge and J. Sommer | 219, 060 | Sept. 2, 1879 | 4 | 2 | 16 | 413 |
| Steam for heating, &c., Apparatus for supplying | T. Miller | 216, 286 | June 10, 1879 | 317 | 94 | 15 | 932 |
| Steam-generator | D. Abell | 221, 011 | Oct. 28, 1879 | 950 | 254 | 16 | 786 |
| Steam-generator | J. Everding | 213, 556 | Mar. 25, 1879 | 903 | 258, 259 | 15 | 438 |
| Steam-generator | J. Everding | 220, 712 | Oct. 21, 1879 | 587 | 156, 157 | 16 | 730 |
| Steam-generator | T. M. Fell | 220, 017 | Sept. 30, 1879 | 1104 | 306 | 16 | 591 |
| Steam-generator | J. E. Freeman | 220, 599 | Oct. 14, 1879 | 456 | 118 | 16 | 704 |
| Steam-generator | C. M. Grannis | 218, 521 | Aug. 12, 1879 | 484 | 135 | 16 | 296 |
| Steam-generator | J. T. Kelly | 216, 859 | June 24, 1879 | 983 | 279 | 15 | 1037 |
| Steam-generator | J. L. Kite | 212, 710 | Feb. 25, 1879 | 1040 | 288 | 15 | 275 |
| Steam-generator | H. P. Mead and D. Graham | 214, 420 | Apr. 15, 1879 | 827 | 232 | 15 | 594 |
| Steam-generator | M. J. O'Rielley | 215, 834 | May 27, 1879 | 997 | 290 | 15 | 852 |
| Steam-generator | G. Reinlein y Sequera and J. De-Canterace y Dominguer. | 211, 190 | Jan. 7, 1879 | 124 | 39 | 15 | 17 |
| Steam-generator | G. B. N. Tower | 211, 118 | Jan. 7, 1879 | 46 | 14, 15 | 15 | 6 |
| Steam-generator | D. Wilson and W. B. Hartley | 215, 421 | May 13, 1879 | 512 | 151 | 15 | 771 |
| Steam generator and heater | T. P. Franke | 211, 901 | Feb. 4, 1879 | 88 | 26 | 15 | 137 |
| Steam-generator for cooking purposes | B. F. Young and C. S. Boots | 215, 498 | May 20, 1879 | 617 | 180, 181 | 15 | 794 |
| Steam-generator furnace | W. A. Greene | 214, 905 | Apr. 29, 1879 | 1390 | 381 | 15 | 682 |
| Steam-generator, Water-tube | N. Coombs | 219, 072 | Sept. 2, 1879 | 17 | 6 | 16 | 415 |
| Steam-generator, Water-tube | C. Ward | 220, 451 | Oct. 7, 1879 | 264 | 71 | 16 | 671 |
| Steam-heater | J. H. Birchall and J. Parton | 217, 574 | July 15, 1879 | 730 | 208, 209 | 16 | 117 |
| Steam-heater | J. B. Pierce | 221, 860 | Nov. 18, 1879 | 844 | 236 | 16 | 945 |
| Steam, Method and apparatus for determining the measure of. | M. W. Kidder | 220, 292 | Oct. 7, 1879 | 92 | 24 | 16 | 647 |
| Steam-motor | T. B. Fogarty | 211, 143 | Jan. 7, 1879 | 70 | 22 | 15 | 9 |
| Steam or air brake cylinder | H. I. Bearup | 221, 499 | Nov. 11, 1879 | 424 | 115 | 16 | 879 |
| Steam or water engine | A. G. Waterhouse | 220, 777 | Oct. 21, 1879 | 670 | 177 | 16 | 740 |
| Steam or water motor | R. H. Atwell | 216, 369 | June 10, 1879 | 415 | 119 | 15 | 944 |
| Steam-pipe covering | G. B. Field and E. T. Howard | 213, 558 | Mar. 25, 1879 | 906 | 259 | 15 | 438 |
| Steam-pipes, &c., Mold for the manufacture of heat-retaining coverings for. | C. A. Evans | 213, 883 | Apr. 1, 1879 | 166 | 49 | 15 | 494 |
| Steam-piping for heating, cooking, &c | E. F. Osborne | 212, 320 | Feb. 18, 1879 | 579 | 161, 162 | 15 | 206 |
| Steam to buildings, Apparatus for supplying | J. Sargent | 221, 105 | Oct. 28, 1879 | 1054 | 279, 280 | 16 | 800 |
| Steam-trap | T. B. and S. S. Davis | 218, 941 | Aug. 26, 1879 | 989 | 278 | 16 | 384 |
| Steam-trap | J. Jamison | 213, 572 | Mar. 25, 1879 | 921 | 262 | 15 | 440 |
| Steam-trap | T. Kieley | 218, 885 | Aug. 26, 1879 | 933 | 262 | 16 | 376 |
| Steam-trap | I. W. Merrill | 212, 391 | Feb. 18, 1879 | 661 | 185 | 15 | 217 |
| Steam-trap for drying-cylinders | J. Jamison | 220, 243 | Oct. 7, 1879 | 39 | 10 | 16 | 640 |
| Steamer and drier, Grain | S. Brooke | 217, 053 | July 1, 1879 | 141 | 41 | 16 | 21 |
| Steamer and drier, Grain | L. Hartson | 215, 919 | May 27, 1879 | 1089 | 316 | 15 | 864 |
| Steamer and generator, Feed | C. Gorton | 212, 214 | Feb. 11, 1879 | 455 | 125 | 15 | 186 |
| Steamer, Farm | J. Allingham | 211, 079 | Jan. 7, 1879 | 2 | 1 | 15 | 1 |
| Steamer, Feed | W. Collings | 222, 016 | Nov. 25, 1879 | 1030 | 289 | 16 | 979 |
| Steamer, Feed | C. H. Dunbrack | 220, 360 | Oct. 7, 1879 | 166 | 44 | 16 | 657 |
| Steamer, Feed | W. N. Golden | 220, 282 | Oct. 7, 1879 | 78 | 21 | 16 | 645 |
| Steamer, Feed | H. S. Groves | 220, 828 | Oct. 21, 1879 | 723 | 191 | 16 | 746 |
| Steamer, Feed | G. R. and M. M. Loomis | 222, 358 | Dec. 9, 1879 | 277 | 77 | 16 | 1057 |
| Steamer, Food | S. H. Baker | 216, 717 | June 24, 1879 | 817 | 233 | 15 | 1017 |
| Steamer, Wheat | J. W. Champion | 220, 122 | Sept. 30, 1879 | 1236 | 340 | 16 | 609 |
| Steel and iron, Piles of bars of | W. Eynon | 219, 629 | Sept. 16, 1879 | 660 | 184 | 16 | 513 |
| Steel, Manufacture of | O. Bolton | 214, 088 | Apr. 8, 1879 | 432 | ..... | 15 | 534 |
| Steel, Manufacture of | S. G. Thomas | 217, 962 | July 29, 1879 | 1186 | ..... | 16 | 193 |
| Steel, Manufacture of Bessemer | S. G. Thomas | 217, 495 | July 15, 1879 | 644 | ..... | 16 | 106 |
| Steel, Manufacture of chrome | R. Brown | 221, 281 | Nov. 4, 1879 | 154 | ..... | 16 | 834 |
| Steel, Welding together bars of Bessemer | T. J. Deakin | 221, 038 | Oct. 28, 1879 | 986 | 261 | 16 | 790 |
| Steering apparatus | S. G. Martin | 216, 873 | June 24, 1879 | 995 | 283 | 15 | 1039 |
| Steering apparatus | S. G. Martin | 216, 874 | June 24, 1879 | 996 | 283 | 15 | 1039 |
| Steering apparatus, Vessel | A. Johnson | 222, 406 | Dec. 9, 1879 | 325 | 92 | 16 | 1064 |
| Steering-gear for vessels | J. C. Cottingham | 213, 629 | Mar. 25, 1879 | 982 | 279 | 15 | 448 |
| Steering-propeller | J. J. Kunstädter | 219, 405 | Sept. 9, 1879 | 410 | 114, 115 | 16 | 472 |
| Steering ships by steam and other power | P. R. Voorhees | 219, 662 | Sept. 16, 1879 | 698 | 193, 194 | 16 | 518 |
| Stench and other traps | T. G. Knight | 221, 073 | Oct. 28, 1879 | 1020 | 279 | 16 | 795 |
| Stench-trap | T. J. Fales | 214, 288 | Apr. 15, 1879 | 667 | 187 | 15 | 575 |
| Stench-trap | W. E. Lane | 214, 302 | Apr. 15, 1879 | 684 | 192 | 15 | 577 |
| Stench-trap connection | R. McBee | 213, 831 | Apr. 1, 1879 | 108 | 33 | 15 | 486 |
| Stencil-plate | E. H. Krier and C. L. Ervin | 212, 952 | Mar. 4, 1879 | 211 | 60 | 15 | 324 |
| Stencils, Preparing autographic | J. Allen | 211, 682 | Jan. 28, 1879 | 723 | ..... | 15 | 99 |
| Stencils, Producing autographic | S. S. Nickerson | 215, 833 | May 27, 1879 | 996 | 290 | 15 | 852 |
| Stereotype-cast | M. J. Hughes | 212, 937 | Mar. 4, 1879 | 195 | 54 | 15 | 321 |
| Stereotype-molds, Composition for | L. E. Jannin | 221, 825 | Nov. 18, 1879 | 803 | ..... | 16 | 940 |
| Stereotype-plate | J. B. R. Lespinasse | 221, 685 | Nov. 18, 1879 | 634 | 178 | 16 | 917 |
| Stereotype-plates, Machine for shaving and trimming. | W. Scott | 221, 366 | Nov. 4, 1879 | 255 | 69 | 16 | 848 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Still | M. M. Monsanto | 217,703 | July 22, 1879 | 896 | 256 | 16 | 148 |
| Still for hydrocarbon oils | C. M. Gearing | 212,084 | Feb. 4, 1879 | 295 | 81 | 15 | 162 |
| Still, Oil | C. Alvord | 213,157 | Mar. 11, 1879 | 468 | 129 | 15 | 364 |
| Still, Oil | J. C. Robinson | 218,901 | Aug. 26, 1879 | 952 | 266, 267 | 16 | 379 |
| Still, Oil | E. Weston | 219,546 | Sept. 9, 1879 | 553 | 155 | 16 | 491 |
| Stills, Apparatus for detecting the escape of spirituous liquors from. | A. Rubi | 220,091 | Sept. 30, 1879 | 1206 | 332 | 16 | 605 |
| Stilts | J. F. Schultheis | 218,457 | Aug. 12, 1879 | 402 | 111 | 16 | 285 |
| Stirrup | O. Hensley | 211,732 | Jan. 28, 1879 | 782 | 219 | 15 | 107 |
| Stirrup | H. H. Knight | 212,018 | Feb. 4, 1879 | 219 | 62 | 15 | 154 |
| Stirrup | L. Pulliam | 211,668 | Jan. 28, 1879 | 709 | 198 | 15 | 98 |
| Stirrup | L. Pulliam | 222,155 | Dec. 2, 1879 | 43 | 11 | 16 | 1015 |
| Stirrup | H. Updegraff and D. B. Comly | 219,608 | Sept. 16, 1879 | 631 | 176 | 16 | 509 |
| Stirrup-loop | H. F. R. F. Somerset | 220,677 | Oct. 14, 1879 | 536 | 142 | 16 | 715 |
| Stirrup pad, Saddle | R. E. Whitman | 222,556 | Dec. 9, 1879 | 506 | 142 | 16 | 1087 |
| Stirrup, Saddle | P. A. De La Nux | 215,942 | May 27, 1879 | 1114 | 323 | 15 | 867 |
| Stirrups, Machine for bending wooden | J. Welch | 217,180 | July 1, 1879 | 277 | 82 | 16 | 38 |
| Stockinet-seaming machine | J. A. Parr | 213,298 | Mar. 18, 1879 | 632 | 178 | 15 | 394 |
| Stocking-knee protector | W. A. Lighthall | 213,764 | Apr. 1, 1879 | 36 | 12 | 15 | 477 |
| Stocking-supporter | C. C. Shelby | 211,479 | Jan. 21, 1879 | 473 | 133 | 15 | 63 |
| Stocking-supporter attachment | S. Houghton | 213,991 | Apr. 8, 1879 | 296 | 85 | 15 | 519 |
| Stone and other hard substances, Machine for cleaning. | R. S. Jennings | 214,569 | Apr. 22, 1879 | 1010 | 284 | 15 | 625 |
| Stone, Artificial | H. A. Comins | 218,490 | Aug. 12, 1879 | 447 | ..... | 16 | 291 |
| Stone, Artificial | J. A. Greer and P. O'Hair | 212,686 | Feb. 25, 1879 | 1015 | ..... | 15 | 272 |
| Stone, Artificial | G. Raedler and J. Marazzi | 222,532 | Dec. 9, 1879 | 477 | ..... | 16 | 1083 |
| Stone, Compound for artificial | J. A. Greer | 222,694 | Dec. 16, 1879 | 685 | ..... | 16 | 1123 |
| Stone, Compound for artificial | C. E. Pierce | 213,685 | Mar. 25, 1879 | 1045 | ..... | 15 | 456 |
| Stone, Compound for artificial | J. S. Randolph | 211,108 | Jan. 7, 1879 | 34 | ..... | 15 | 5 |
| Stone-crusher | T. A. Blake | 221,768 | Nov. 18, 1879 | 726 | 202 | 16 | 930 |
| Stone, Device for handling and setting | E. J. Leyburn | 216,334 | June 10, 1879 | 382 | 108 | 15 | 940 |
| Stone dressing and cutting machine | A. McDonald | 222,194 | Dec. 2, 1879 | 88 | 22 | 16 | 1020 |
| Stone dressing and paneling machine | N. Jenkins | 218,180 | Aug. 5, 1879 | 86 | 23 | 16 | 232 |
| Stone-dressing machine | J. D. Brunton and F. H. J. Frier | 212,182 | Feb. 11, 1879 | 419 | 114, 115 | 15 | 182 |
| Stone-dressing or millstone-pick hammer | C. T. Farnham | 223,123 | Dec. 30, 1879 | 1185 | 335 | 16 | 1214 |
| Stone-dressing tool | L. C. Gilmore | 222,268 | Dec. 2, 1879 | 173 | 45 | 16 | 1032 |
| Stone-drill | J. S. Swartley | 219,128 | Sept. 2, 1879 | 78 | 25 | 16 | 423 |
| Stone, Machine for molding and surfacing | J. W. Maloy | 213,828 | Apr. 1, 1879 | 105 | 31, 32 | 15 | 486 |
| Stone, &c., Machine for polishing | J. W. Maloy | 213,829 | Apr. 1, 1879 | 107 | 32 | 15 | 486 |
| Stone, Manufacture of artificial | H. Bacon | 213,087 | Mar. 11, 1879 | 386 | ..... | 15 | 354 |
| Stone, Manufacture of artificial | T. P. Hall | 213,107 | Mar. 11, 1879 | 411 | ..... | 15 | 357 |
| Stone, Manufacture of hydraulic | J. Dimelow | 219,570 | Sept. 16, 1879 | 589 | ..... | 16 | 504 |
| Stone, Paneling | T. B. Jackson | 215,457 | May 20, 1879 | 570 | 167 | 15 | 788 |
| Stone, Pottery shapes for building-blocks to resemble. | A. Campbell | 219,343 | Sept. 9, 1879 | 338 | 96 | 16 | 463 |
| Stone, Restoring and preserving | C. O. Lundberg | 216,045 | June 3, 1879 | 44 | ..... | 15 | 890 |
| Stone-sawing machine | A. G. Osgood | 223,164 | Dec. 30, 1879 | 1226 | 347 | 16 | 1219 |
| Stone veneer, Artificial | J. A. Mehling | 211,860 | Feb. 4, 1879 | 45 | 14 | 15 | 132 |
| Stone, wood, &c., Machine for dressing | N. Jenkins | 218,179 | Aug. 5, 1879 | 85 | 22 | 16 | 232 |
| Stone, wood, &c., Machinery for dressing | N. Jenkins | 218,178 | Aug. 5, 1879 | 83 | 22 | 16 | 232 |
| Stool | D. B. Reynolds | 215,773 | May 27, 1879 | 922 | 270 | 15 | 844 |
| Stool, Camp | S. N. Stewart | 213,259 | Mar. 11, 1879 | 573 | 159 | 15 | 378 |
| Stool, Camp and hunting | J. Powell | 216,629 | June 17, 1879 | 708 | 202 | 15 | 992 |
| Stool, Milking | D. A. Le Valley | 222,793 | Dec. 23, 1879 | 796 | 229 | 16 | 1149 |
| Stool, Piano | M. P. Schambs | 215,400 | May 13, 1879 | 485 | 144 | 15 | 768 |
| Stool, Undertaker's | H. Smith | 219,536 | Sept. 9, 1879 | 544 | 152 | 16 | 490 |
| Stopper: *See* Bottle-stopper. Sewer-gas stopper. | | | | | | | |
| Stopper | R. T. Ellifrit | 218,246 | Aug. 5, 1879 | 160 | 43 | 16 | 242 |
| Stopping and reversing machinery, Apparatus for | G. C. Gill | 216,787 | June 24, 1879 | 898 | 255, 256 | 15 | 1027 |
| Stopping and reversing mechanism for machinery | W. Scott | 221,193 | Nov. 4, 1879 | 59 | 16 | 16 | 820 |
| Storage-tank, Portable | T. B. Riter | 212,983 | Mar. 4, 1879 | 249 | 68 | 15 | 329 |
| Stove | S. H. Bingman | 218,475 | Aug. 12, 1879 | 433 | 120, 121 | 16 | 289 |
| Stove | W. C. Davis | 218,367 | Aug. 12, 1879 | 302 | 83 | 16 | 272 |
| Stove | C. F. Hill | 216,677 | June 17, 1879 | 756 | 216 | 15 | 999 |
| Stove | C. Portway | 221,861 | Nov. 18, 1879 | 845 | 236 | 16 | 945 |
| Stove | G. R. Prowse | 215,240 | May 13, 1879 | 311 | 92 | 15 | 745 |
| Stove | F. Schifferle | 214,262 | Apr. 15, 1879 | 639 | 179 | 15 | 571 |
| Stove | J. G. Smith | 218,788 | Aug. 19, 1879 | 786 | 224 | 16 | 346 |
| Stove | M. L. Wood | 214,799 | Apr. 29, 1879 | 1276 | 357 | 15 | 667 |
| Stove and furnace | W. A. Greene | 220,530 | Oct. 14, 1879 | 367 | 96 | 16 | 693 |
| Stove and furnace, Summer | C. Truesdale | 216,710 | June 17, 1879 | 792 | 227 | 15 | 1004 |
| Stove and furnace grate | S. Smyth | 212,407 | Feb. 18, 1879 | 678 | 189 | 15 | 219 |
| Stove and heater, Parlor | W. A. Greene | 214,906 | Apr. 29, 1879 | 1392 | 287 | 15 | 682 |
| Stove and range, Cooking | G. H. Sherman | 212,751 | Feb. 25, 1879 | 1083 | 301 | 15 | 281 |
| Stove and range door | W. C. Davis | 221,793 | Nov. 18, 1879 | 771 | 215 | 16 | 935 |
| Stove and range top center-piece | W. Morand | 216,438 | June 10, 1879 | 494 | 141 | 15 | 955 |
| Stove attachment | J. H. Hoover | 217,943 | July 29, 1879 | 1167 | 334 | 16 | 191 |
| Stove attachment | H. A. Tinkham | 213,596 | Mar. 25, 1879 | 945 | 269 | 15 | 443 |
| Stove-back | E. E. Bunker | 221,513 | Nov. 11, 1879 | 440 | 119 | 16 | 881 |
| Stove-back, Adjustable | P. H. Fellows | 222,183 | Dec. 2, 1879 | 76 | 18 | 16 | 1019 |
| Stove-back lining | R. D. Sandiland | 213,352 | Mar. 18, 1879 | 690 | 193 | 15 | 402 |
| Stove-base | J. M. Harper | 217,793 | July 22, 1879 | 987 | 282 | 16 | 160 |
| Stove-board and table-mat | H. L. Palmer | 216,574 | June 17, 1879 | 649 | 184 | 15 | 984 |
| Stove, Camp | B. F. Stockford | 221,749 | Nov. 18, 1879 | 704 | 197 | 16 | 927 |
| Stove, Camp | E. Waters | 217,178 | July 1, 1879 | 274 | 81 | 16 | 38 |
| Stove, Coal-oil | J. M. Adams | 221,206 | Nov. 4, 1879 | 71 | 19 | 16 | 822 |
| Stove, Coal-oil | W. J. Reed | 219,306 | Sept. 2, 1879 | 287 | 81 | 16 | 448 |
| Stove, Coal-oil | C. Truesdale | 218,089 | July 29, 1879 | 1321 | 379 | 16 | 211 |
| Stove, Combined gas and vapor | W. Bliesner | 218,476 | Aug. 12, 1879 | 434 | 121 | 16 | 289 |
| Stove, Cook | W. Wicke | 211,678 | Jan. 28, 1879 | 719 | 201 | 15 | 99 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Stove, Cooking | J. F. Allen | 216,591 | June 17, 1879 | 669 | 191 | 15 | 987 |
| Stove, Cooking | J. F. Allen | 218,152 | Aug. 5, 1879 | 54 | 15 | 16 | 228 |
| Stove, Cooking | W. V. Braddick | 218,109 | Aug. 5, 1879 | 3 | 1, 2 | 16 | 221 |
| Stove, Cooking | G. H. Hess | 212,379 | Feb. 18, 1879 | 645 | 181 | 15 | 215 |
| Stove, Cooking | H. L. Howse | 212,698 | Feb. 25, 1879 | 1025 | 284 | 15 | 273 |
| Stove, Cooking | J. Jewett | 212,472 | Feb. 18, 1879 | 767 | 212 | 15 | 231 |
| Stove, Cooking | J. B. Long | 215,827 | May 27, 1879 | 987 | 288 | 15 | 851 |
| Stove, Cooking | T. S. Mitchell | 218,554 | Aug. 12, 1879 | 521 | 146 | 16 | 302 |
| Stove, &c., door | W. Miller | 212,618 | Feb. 25, 1879 | 952 | 263 | 18 | 263 |
| Stove-door catches, Device for making | D. H. Nation | 219,005 | Aug. 26, 1879 | 1058 | 298 | 16 | 393 |
| Stove-door, Illuminated | J. Jewett | 220,845 | Oct. 21, 1879 | 741 | 197 | 16 | 749 |
| Stove-doors, Mica-holder for | M. P. Low | 216,426 | June 10, 1879 | 479 | 137 | 15 | 952 |
| Stove-fender | H. Terstegge and R. H. and F. H. Gohmann. | 216,361 | June 10, 1879 | 407 | 117 | 15 | 943 |
| Stove, Gas | C. Hoffman | 220,838 | Oct. 21, 1879 | 733 | 195 | 16 | 748 |
| Stove, Gas | W. McDonald and S. E. Parsons. | 221,688 | Nov. 18, 1879 | 637 | 178 | 16 | 918 |
| Stove, Gas | W. A. Turner | 222,610 | Dec. 16, 1879 | 586 | 167 | 16 | 1108 |
| Stove-grate | J. Grossius | 218,381 | Aug. 12, 1879 | 319 | 87 | 16 | 274 |
| Stove-grate | G. W. Herrick | 221,556 | Nov. 11, 1879 | 491 | 135 | 16 | 889 |
| Stove-grate | O. E. Lake | 217,804 | July 22, 1879 | 997 | 286 | 16 | 162 |
| Stove-grate | W. Phipps | 222,365 | Dec. 9, 1879 | 284 | 79 | 16 | 1058 |
| Stove-grate | J. A. Price | 211,929 | Feb. 4, 1879 | 119 | 35 | 15 | 141 |
| Stove, Hay | J. A. Stocum | 217,651 | July 15, 1879 | 816 | 233 | 16 | 128 |
| Stove-hearth | S. R. Burton, J. T. Peet, and W. Caven. | 213,864 | Apr. 1, 1879 | 146 | 43 | 15 | 491 |
| Stove, Heating | C. Barnhart | 214,350 | Apr. 15, 1879 | 751 | 209 | 15 | 585 |
| Stove, Heating | J. P. Clark | 215,881 | May 27, 1879 | 1048 | 305 | 15 | 859 |
| Stove, Heating | W. A. Greene | 223,041 | Dec. 30, 1879 | 1082 | 308, 309 | 16 | 1200 |
| Stove, Heating | J. E. Gridley | 216,178 | June 3, 1879 | 178 | 53 | 15 | 907 |
| Stove, Heating | M. Helbling | 215,742 | May 27, 1879 | 888 | 260 | 15 | 830 |
| Stove, Heating | L. W. Leeds | 222,592 | Dec. 16, 1879 | 563 | 160 | 16 | 1105 |
| Stove, Heating | C. H. McCaw and T. Brown | 212,563 | Mar. 4, 1879 | 226 | 63 | 15 | 325 |
| Stove, Heating | C. H. McCaw and T. Brown | 221,334 | Nov. 4, 1879 | 223 | 60 | 16 | 843 |
| Stove, Heating | C. H. Speed | 213,465 | Mar. 18, 1879 | 793 | 223, 224 | 15 | 416 |
| Stove, Kerosene | J. S. Williams | 221,644 | Nov. 11, 1879 | 580 | 161, 162 | 16 | 902 |
| Stove-leg | C. M. Morris | 215,472 | May 20, 1879 | 587 | 173 | 15 | 790 |
| Stove-leg | C. M. Morris | 222,596 | Dec. 16, 1879 | 568 | 161 | 16 | 1106 |
| Stove-leg base | J. M. Harper | 211,401 | Jan. 14, 1879 | 384 | 110 | 15 | 50 |
| Stove-leg support | E. P. Cutting and E. A. Leland | 222,189 | Dec. 2, 1879 | 72 | 17 | 16 | 1018 |
| Stove-lining | J. Ripliuger | 212,266 | Feb. 11, 1879 | 596 | 141 | 15 | 193 |
| Stove, Magazine | C. Gage | 212,680 | Feb. 25, 1879 | 1009 | 281 | 15 | 271 |
| Stove, Oil | C. M. Arthur | 221,384 | Nov. 11, 1879 | 289 | 79 | 16 | 861 |
| Stove, Oil | A. Burbank | 219,685 | Sept. 16, 1879 | 727 | 201 | 16 | 522 |
| Stove, Oil | J. E. Fleming and A. Hamilton | 212,305 | Feb. 18, 1879 | 561 | 157 | 15 | 204 |
| Stove, Oil | J. A. Frey | 220,902 | Oct. 21, 1879 | 800 | 214 | 16 | 758 |
| Stove, Oil | T. G. Goodfellow | 211,091 | Jan. 7, 1879 | 14 | 5 | 15 | 2 |
| Stove, Oil | J. H. Graves and H. H. Babcock. | 215,454 | May 20, 1879 | 567 | 166 | 15 | 788 |
| Stove, Oil | E. R. Walker | 211,359 | Jan. 14, 1879 | 340 | 99 | 15 | 44 |
| Stove, Open fire-place | A. T. Bennett | 211,081 | Jan. 7, 1879 | 3 | 1, 2 | 15 | 1 |
| Stove, Open-front | O. C. Mehurin | 216,206 | June 3, 1879 | 206 | 61, 62 | 15 | 911 |
| Stove or furnace | W. P. Miller | 221,179 | Nov. 4, 1879 | 46 | 13 | 16 | 818 |
| Stove-oven | C. Caldwell | 217,511 | July 15, 1879 | 662 | 188 | 16 | 108 |
| Stove-oven | R. Kalbitz | 219,956 | Sept. 23, 1879 | 1032 | 287 | 16 | 574 |
| Stove-oven door and shelf | C. W. Brieder | 212,351 | Feb. 18, 1879 | 617 | 173 | 15 | 211 |
| Stove oven, Lamp | C. W. Daly | 218,940 | Aug. 26, 1879 | 989 | 278 | 16 | 384 |
| Stove-oven shelf | F. H. Root | 219,768 | Sept. 16, 1879 | 808 | 223 | 16 | 533 |
| Stove, Parlor | J. Jewett | 218,674 | Aug. 19, 1879 | 667 | 189 | 16 | 330 |
| Stove, Parlor heating | W. A. Greene | 220,529 | Oct. 14, 1879 | 364 | 96 | 16 | 693 |
| Stove, Parlor oven | J. A. Lawson | 215,467 | May 20, 1879 | 581 | 170, 171 | 15 | 790 |
| Stove-pipe | W. B. Allen | 214,803 | Apr. 29, 1879 | 1282 | 358 | 15 | 668 |
| Stove-pipe | E. H. Dodge | 214,761 | Apr. 29, 1879 | 1230 | 345 | 15 | 661 |
| Stove-pipe | P. H. Seager | 217,960 | July 29, 1879 | 1184 | 339 | 16 | 193 |
| Stove-pipe, Adjustable | J. P. Abbott | 216,991 | July 1, 1879 | 68 | 21 | 16 | 11 |
| Stove-pipe coupling and brace | W. E. Hofman | 218,852 | June 24, 1879 | 975 | 277 | 15 | 1036 |
| Stove-pipe, Extension | R. R. Pattison | 217,743 | July 22, 1879 | 936 | 268 | 16 | 154 |
| Stove-pipe joint | E. L. Case | 217,059 | July 1, 1879 | 148 | 44 | 16 | 21 |
| Stove-pipe joint | C. L. Driesslein | 211,387 | Jan. 14, 1879 | 372 | 106 | 15 | 48 |
| Stove-pipe joint | J. B. Jewell | 219,098 | Sept. 2, 1879 | 46 | 15 | 16 | 418 |
| Stove-pipe receiver | W. Shaw | 220,179 | Sept. 30, 1879 | 1301 | 359 | 16 | 618 |
| Stove-pipe safe and register | H. B. Morrison | 212,968 | Mar. 4, 1879 | 235 | 64 | 15 | 327 |
| Stove-pipe shelf | H. S. Kratz | 223,150 | Dec. 30, 1879 | 1212 | 343 | 16 | 1217 |
| Stove-pipe shelf | W. D. Middleton | 221,086 | Oct. 28, 1879 | 1035 | 274 | 16 | 797 |
| Stove-pipe shelf | H. D. Swain and D. W. Welton | 220,261 | Oct. 7, 1879 | 57 | 15 | 16 | 642 |
| Stove-pipe thimble | J. Allingham | 212,532 | Feb. 25, 1879 | 858 | 237 | 15 | 251 |
| Stove-pipe thimble | C. C. and F. Campbell | 222,242 | Dec. 2, 1879 | 147 | 37 | 16 | 1028 |
| Stove-pipe thimble | M. McQuire | 217,233 | July 8, 1879 | 354 | 105 | 16 | 57 |
| Stove-pipe thimble | N. D. Morey | 215,149 | May 6, 1879 | 198 | 56 | 15 | 726 |
| Stove-pipe thimble | H. B. Morrison | 216,097 | June 3, 1879 | 95 | 28 | 15 | 897 |
| Stove-pipes, Heating attachment for | W. Suman | 221,750 | Nov. 18, 1879 | 706 | 198 | 16 | 927 |
| Stove-pipes, Machine for crimping and tapering | F. R. Packham | 214,581 | Apr. 22, 1879 | 1023 | 288 | 15 | 627 |
| Stove-platform | W. Westlake | 211,676 | Jan. 28, 1879 | 716 | 200 | 15 | 99 |
| Stove, Regenerative hot-blast | E. A. Cowper | 218,357 | Aug. 5, 1879 | 278 | 76 | 16 | 257 |
| Stove, Reservoir cook | T. H. Roberts | 216,892 | June 24, 1879 | 1014 | 288, 289 | 15 | 1041 |
| Stove, Reservoir cooking | G. W. Walker | 217,497 | July 15, 1879 | 646 | 184 | 16 | 106 |
| Stove, Steam cooking | J. Ashcroft | 213,029 | Mar. 11, 1879 | 313 | 87, 88 | 15 | 345 |
| Stove, Vapor | F. Zugg | 221,205 | Nov. 4, 1879 | 70 | 19 | 16 | 821 |
| Stove, Ventilating school-house | J. Grossius | 221,811 | Nov. 18, 1879 | 790 | 220 | 16 | 938 |
| Stoves and furnaces, Fire-pot for | W. C. Davis | 215,269 | May 13, 1879 | 348 | 101 | 15 | 749 |
| Stoves, Bake fire-wall for | H. H. Crull | 216,945 | July 1, 1879 | 19 | 6 | 16 | 5 |
| Stoves Cover for cook-holes in | C. Caldwell | 218,158 | Aug. 5, 1879 | 61 | 16 | 16 | 228 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Stoves, Grate and fire-pot for | J. B. Oldershaw | 214,693 | Apr. 22, 1879 | 1140 | 321 | 15 | 642 |
| Stoves, Fire-back for | G. A. Wells | 214,856 | Apr. 29, 1879 | 1344 | 374 | 15 | 676 |
| Stoves, Fire-box for | L. J. Stewart | 214,964 | Apr. 29, 1879 | 1448 | 403 | 15 | 690 |
| Stoves, Laundry attachment for | B. Swift | 213,144 | Mar. 11, 1879 | 454 | 126 | 15 | 363 |
| Stoves, Long-center and reservoir-cover for | S. R. Burton, J. T. Peet, and W. Caven. | 215,716 | May 27, 1879 | 863 | 253 | 15 | 839 |
| Stoves, Means for attaching urns to | C. Fuller | 215,112 | May 6, 1879 | 153 | 44 | 15 | 721 |
| Stoves, Mica window and door for | W. A. Greene | 220,528 | Oct. 14, 1879 | 362 | 95, 96 | 16 | 692 |
| Stoves, ranges, &c., Broiler attachment for | F. S. Bissell | 211,492 | Jan. 21, 1879 | 487 | 138 | 15 | 65 |
| Stoves, ranges, &c., Broiler attachment for | G. J. Born | 211,549 | Jan. 21, 1879 | 552 | 156 | 15 | 73 |
| Stoves, ranges, &c., Broiler attachment for | G. J. Born | 211,550 | Jan. 21, 1879 | 553 | 156, 157 | 15 | 74 |
| Strainer, Tea and coffee | O. H. Buckley | 217,055 | July 1, 1879 | 145 | 43 | 16 | 21 |
| Strap: *See* Boot-strap. Boot-leg strap. Hame-strap. Harness breeching-strap. Hitch-strap. Interfering-strap. Shawl-strap. Sleigh-bell strap. Yoke-strap. | | | | | | | |
| Strap cutting and creasing machine | E. J. Blood | 221,024 | Oct. 28, 1879 | 966 | 257 | 16 | 788 |
| Strap for garments, Adjusting | T. O. Potter | 212,400 | Feb. 18, 1879 | 671 | 187 | 15 | 218 |
| Strap-protector and buckle | T. Padgitt | 220,862 | Oct. 21, 1879 | 755 | 201 | 16 | 751 |
| Straw and hay cutter | G. Van Dyke | 219,661 | Sept. 16, 1879 | 691 | 193 | 16 | 518 |
| Straw-board, Machine for lining | G. S. Eyster | 221,403 | Nov. 11, 1379 | 309 | 85 | 16 | 864 |
| Straw-board, Machine for making | M. Seiberling | 212,155 | Feb. 11, 1879 | 387 | 105 | 15 | 177 |
| Straw-burner boiler | H. Gillett | 218,515 | Aug. 12, 1879 | 576 | 133 | 16 | 295 |
| Straw-cutter | J. P. Butler | 211,219 | Jan. 7, 1879 | 153 | 46 | 15 | 21 |
| Straw-cutter | J. Q. Crosby | 211,835 | Feb. 4, 1879 | 8 | 2 | 15 | 127 |
| Straw-cutter | J. Dick, jr | 215,894 | May 27, 1879 | 1062 | 309 | 15 | 861 |
| Straw-cutter | T. B. Shaw | 213,253 | Mar. 11, 1879 | 567 | 158 | 15 | 378 |
| Straw goods, Manufacture of | J. L. Marvin | 222,717 | Dec. 16, 1879 | 705 | 202 | 16 | 1126 |
| Street-motor | J. T. Cord | 212,442 | Feb. 18, 1879 | 725 | 200 | 15 | 225 |
| Street-sprinkling apparatus | M. W. Binga | 217,843 | July 22, 1879 | 1043 | 298 | 16 | 167 |
| Street-sprinkling apparatus | T. J. Hennessy and J. Quinn | 218,024 | July 29, 1879 | 1254 | 358 | 16 | 202 |
| Street-sprinkling apparatus | D. Mansfield | 212,719 | Feb. 25, 1879 | 1052 | 291 | 15 | 277 |
| Street steam-mains, Junction service-box for | W. W. and F. N. Trevor | 221,479 | Nov. 11, 1879 | 400 | 109 | 16 | 876 |
| Street-sweeper | A. C. Gould | 211,151 | Jan. 7, 1879 | 83 | 25 | 15 | 11 |
| Street-sweeping apparatus | E. C. Bowne | 222,447 | Dec. 9, 1879 | 373 | 106 | 16 | 1069 |
| Street-sweeping machine | C. Z. O'Neill | 220,252 | Oct. 7, 1879 | 48 | 12, 13 | 16 | 641 |
| Strings from intestines, Making | P. and J. Turner | 221,199 | Nov. 4, 1879 | 65 | ..... | 16 | 821 |
| Stud and button | O. Raffenbeul and A. Kahl | 213,690 | Mar. 25, 1879 | 1048 | 298 | 15 | 457 |
| Stud for boots and shoes | G. H. Ellis | 220,817 | Oct. 21, 1879 | 711 | 189 | 16 | 745 |
| Stud for boots and shoes, Lacing | C. Storer | 217,494 | July 15, 1879 | 643 | 183 | 16 | 106 |
| Stud or button, Shirt | D. S. Spaulding | 213,787 | Apr. 1, 1879 | 61 | 20 | 15 | 481 |
| Stud or button, Shirt | D. S. Spaulding | 219,371 | Sept. 9, 1879 | 371 | 104 | 16 | 467 |
| Stud, Shirt | G. H. Niles | 220,491 | Oct. 14, 1879 | 321 | 85 | 16 | 687 |
| Stuffing-box | K. Chickering | 217,989 | July 29, 1879 | 1211 | 347 | 16 | 197 |
| Stuffing-box | C. H. Fuller | 213,649 | Mar. 25, 1879 | 1005 | 286 | 15 | 451 |
| Stuffing-box | C. C. Jerome | 215,277 | May 13, 1879 | 359 | 104 | 15 | 751 |
| Stuffing-box | H. S. Ross | 213,777 | Apr. 1, 1879 | 49 | 16 | 15 | 479 |
| Stuffing-box for valves, &c | J. O'Meara | 213,239 | Mar. 11, 1879 | 552 | 153 | 15 | 376 |
| Stuffing-box, Steam-engine | C. C. Jerome | 211,299 | Jan. 14, 1879 | 261 | 76 | 15 | 34 |
| Stump and stone extractor | A. E. Cummings | 216,082 | June 3, 1879 | 82 | 24 | 15 | 895 |
| Stump and stone extractor and elevator | J. Henshaw | 219,471 | Sept. 9, 1879 | 480 | 133 | 16 | 481 |
| Stump-extractor | R. A. Courtney and L. J. Foster | 220,900 | Oct. 21, 1879 | 797 | 213 | 16 | 757 |
| Stump-extractor | T. Ennett | 219,237 | Sept. 2, 1879 | 208 | 61, 62 | 16 | 439 |
| Stump-extractor | E. Farnsworth | 215,513 | May 20, 1879 | 634 | 185 | 15 | 797 |
| Stump-extractor | F. Hamachek | 218,814 | Aug. 26, 1879 | 842 | 237 | 16 | 364 |
| Stump-extractor | R. Mortensen | 216,099 | June 3, 1879 | 96 | 28 | 15 | 897 |
| Stump-extractor | S. H. McGibeny | 214,831 | Apr. 29, 1879 | 1310 | 366 | 15 | 672 |
| Stump-extractor | M. F., M. W., and H. A. Parrish | 221,699 | Nov. 18, 1879 | 648 | 181 | 16 | 919 |
| Stump-puller | L. W. Frederick | 218,725 | Aug. 19, 1879 | 717 | 204 | 16 | 337 |
| Stump-puller | W. H. H. Hollen | 218,881 | Aug. 26, 1879 | 927 | 259 | 16 | 375 |
| Sublimating apparatus | I. M. Phelps | 215,969 | May 27, 1879 | 1139 | 331 | 15 | 871 |
| Sugar, &c., Centrifugal apparatus for forcing volatile or corrosive liquids through or from. | O. H. Krause | 221,923 | Nov. 25, 1879 | 935 | 262 | 16 | 967 |
| Sugar, &c., Centrifugal apparatus for forcing volatile or corrosive liquids through or from. | O. H. Krause | 221,924 | Nov. 25, 1879 | 937 | 262 | 16 | 967 |
| Sugar, Centrifugal machine for liquoring hard | W. R. Elmenhorst | 211,895 | Feb. 4, 1879 | 83 | 24 | 15 | 136 |
| Sugar, Coloring | O. H. Krause | 222,508 | Dec. 9, 1879 | 449 | ..... | 16 | 1079 |
| Sugar-evaporator | J. F. Sargent | 218,320 | Aug. 5, 1879 | 234 | 63 | 16 | 252 |
| Sugar from the juice of beet-roots, &c., Obtaining | C. Löwig | 219,281 | Sept. 2, 1879 | 256 | ..... | 16 | 444 |
| Sugar in centrifugal machines, Apparatus for liquoring. | A. A. Goubert | 221,893 | Nov. 18, 1879 | 877 | 245, 246 | 16 | 950 |
| Sugar in centrifugal machines, Apparatus for liquoring block. | A. A. Goubert | 218,519 | Aug. 12, 1879 | 481 | 134, 135 | 16 | 296 |
| Sugar, Process and apparatus for refining and molding. | A. H. Seyferth | 211,797 | Jan. 28, 1879 | 856 | 239 | 15 | 117 |
| Sugar solutions, Filtration of | G. C. W. Belcher | 217,442 | July 15, 1879 | 589 | 169 | 16 | 99 |
| Sulky | J. T. and J. V. Upington | 222,965 | Dec. 23, 1879 | 995 | 285 | 16 | 1177 |
| Sulky | J. V. Upington | 221,631 | Nov. 11, 1879 | 569 | 157 | 16 | 900 |
| Sulky-brace | B. Doble and H. B. Paul | 219,924 | Sept. 23, 1879 | 998 | 278 | 16 | 569 |
| Sulky, Trotting | H. A. Williams and T. H. Brown | 222,558 | Dec. 9, 1879 | 508 | 143 | 16 | 1087 |
| Sulphocyanides, Apparatus for making | J. Tcherniac and U. Günzburg | 222,100 | Nov. 25, 1879 | 1132 | 319 | 16 | 994 |
| Sun-dial | L. Thurston | 213,009 | Mar. 4, 1879 | 279 | 78 | 15 | 333 |
| Sun-helmet | H. Halvorson | 213,415 | Mar. 18, 1879 | 749 | 210 | 15 | 410 |
| Supply and distributing pipe for water, gas, &c., under pressure. | J. H. Rhodes | 214,452 | Apr. 15, 1879 | 857 | 241 | 15 | 599 |
| Supply-ventilator | J. E. Richard | 212,056 | Feb. 4, 1879 | 272 | 74 | 15 | 159 |
| Supporter: *See* Abdominal galvanic supporter. Ankle-supporter. Barrel-supporter. Bird-cage supporter. Boot and shoe heel and counter supporter. Boot-leg supporter. Calendar-supporter. Clothes-line supporter. Collar-supporter. | | | | | | | |

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| Supporter—Continued. *See* Counter-supporter. Doll-supporter. Dress-train supporter. Drawer-supporter. Farm-gate supporter. Garment-supporter. Hammock-supporter. Hose-supporter. Lamp and reflector supporter. Picture-supporter. Radiator-supporter. Rein-supporter. Sash-supporter. Scaffold-supporter. Shade-supporter. Shaft-supporter. Stocking-supporter. Stove-supporter. Testicle-supporter. Thill-supporter. Tongue-supporter. Uterine supporter. Wagon-seat supporter. | | | | | | | |
| Suppositories, Apparatus for molding | H. R. Heyl | 214,775 | Apr. 29, 1879 | 1246 | 349 | 15 | 663 |
| Suppository | C. L. Mitchell | 213,677 | Mar. 25, 1879 | 1037 | 295 | 15 | 455 |
| Surcingle | G. M. Warr | 219,372 | Sept. 9, 1879 | 372 | 105 | 16 | 467 |
| Surf-boat | R. H. Tucker | 215,843 | May 27, 1879 | 1007 | 293 | 15 | 854 |
| Surface-gage | D. B. Woolson | 220,323 | Oct. 7, 1879 | 128 | 35 | 16 | 652 |
| Surgeon's needle | J. Watson | 221,638 | Nov. 11, 1879 | 574 | 159 | 16 | 901 |
| Surgical bandage | S. Goldschmidt | 222,690 | Dec. 16, 1879 | 679 | 195 | 16 | 1122 |
| Surgical splint | J. E. Johnson | 216,680 | June 17, 1879 | 758 | ..... | 15 | 999 |
| Surgical splint | J. E. Johnson | 221,568 | Nov. 11, 1879 | 508 | 138 | 16 | 891 |
| Surgical splint | W. W. Koehler | 223,049 | Dec. 30, 1879 | 1095 | 311 | 16 | 1202 |
| Surgical splint | C. F. Stillman | 222,609 | Dec. 16, 1879 | 585 | 167 | 16 | 1108 |
| Surveying instrument | W. Devault | 219,076 | Sept. 2, 1879 | 22 | 7 | 16 | 415 |
| Surveying-instrument | I. Humphrey | 215,749 | May 27, 1879 | 893 | 261 | 15 | 840 |
| Surveying-instrument | T. F. Randolph | 216,759 | June 24, 1879 | 867 | 246 | 15 | 1023 |
| Surveying-instrument | H. S. S. Watkin | 213,018 | Mar. 4, 1879 | 288 | 81, 82 | 15 | 334 |
| Surveying-instruments, Leveling device for | G. N. Saegmuller | 212,405 | Feb. 18, 1879 | 676 | 189 | 15 | 219 |
| Suspender-buckles, Strap-pulley support for | W. F. Osborne | 221,856 | Nov. 18, 1879 | 840 | 255 | 16 | 945 |
| Suspender button-end | W. F. Osborne and S. H. Baldwin | 219,300 | Sept. 2, 1879 | 281 | 79 | 16 | 447 |
| Suspender-end | F. S. Brown | 220,338 | Oct. 7, 1879 | 143 | 39 | 16 | 654 |
| Suspender-end | A. Shenfield | 221,474 | Nov. 11, 1879 | 393 | 108 | 16 | 875 |
| Suspender-end binding | J. B. Sharp | 217,823 | July 22, 1879 | 1020 | 292 | 16 | 164 |
| Suspender-pulley | J. Davey | 218,499 | Aug. 12, 1879 | 459 | 128 | 16 | 263 |
| Suspenders | J. A. Adamson | 216,715 | June 24, 1879 | 815 | 233 | 15 | 1017 |
| Suspenders | H. Andres | 216,368 | June 10, 1879 | 414 | 119 | 15 | 944 |
| Suspenders | J. B. Brooks | 221,027 | Oct. 28, 1879 | 968 | 257, 258 | 16 | 788 |
| Suspenders | E. B. Everitt | 218,947 | Aug. 26, 1879 | 995 | 279 | 16 | 385 |
| Suspenders | H. M. Heineman | 211,999 | Feb. 4, 1879 | 200 | 57 | 15 | 152 |
| Suspenders | O. Kleinberger | 211,747 | Jan. 28, 1879 | 800 | 224 | 15 | 109 |
| Suspenders | O. Kleinberger | 221,578 | Nov. 11, 1879 | 517 | 141 | 16 | 893 |
| Suspenders | W. A. Miller | 212,034 | Feb. 4, 1879 | 235 | 66 | 15 | 156 |
| Suspenders | L. and O. Oppenheimer | 221,348 | Nov. 4, 1879 | 237 | 64 | 16 | 845 |
| Suspenders | J. B. Williams | 221,888 | Nov. 18, 1879 | 869 | 243 | 16 | 949 |
| Suspension ring and hook | I. Fine | 215,340 | May 13, 1879 | 431 | 128 | 15 | 760 |
| Suspension-rods, Machine for forming eyes on | J. Steret and A. A. Burns | 216,065 | June 3, 1879 | 64 | 17, 18 | 15 | 893 |
| Sweeper | R. G. Pittman | 220,413 | Oct. 7, 1879 | 225 | 60 | 16 | 666 |
| Swimming-machine | W. H. Richardson | 222,951 | Dec. 23, 1879 | 978 | 281 | 16 | 1175 |
| Swine, Device for holding | W. L. Pitts | 215,972 | May 27, 1879 | 1142 | 331 | 15 | 871 |
| Swing | W. W. Elliott | 212,912 | Mar. 4, 1879 | 171 | 47 | 15 | 318 |
| Swing | W. R. Lashorne | 217,465 | July 15, 1879 | 611 | 175 | 16 | 102 |
| Swing | S. Mackbee | 213,914 | Apr. 1, 1879 | 196 | 57 | 15 | 498 |
| Swing | C. W. McGregor | 213,518 | Mar. 25, 1879 | 857 | 244 | 15 | 432 |
| Swing | J. Ryan | 212,514 | Feb. 18, 1879 | 823 | 228 | 15 | 238 |
| Swing | O. Unzicker | 213,150 | Mar. 11, 1879 | 461 | 127 | 15 | 363 |
| Swing-chair | T. Galt and J. Blaisdell | 213,504 | Mar. 25, 1879 | 843 | 239 | 15 | 431 |
| Swings, &c., Device for suspending | M. C. Mayo and B. Noyes | 216,624 | June 17, 1879 | 704 | 201 | 15 | 992 |
| Switch: *See* Railway-switch. Telephone-switch. Telephone and microphone switch. | | | | | | | |
| Switch and signal, Interlocking | A. G. Cummings | 216,510 | June 17, 1879 | 578 | 165 | 15 | 975 |
| Switch apparatus, Automatic | C. R. Van Ruyven | 220,448 | Oct. 7, 1879 | 261 | 70 | 16 | 671 |
| Switch-bar | W. K. Dunwoody | 218,720 | Aug. 19, 1879 | 712 | 203 | 16 | 336 |
| Switch-operating rods, Deflection-stand for | A. G. Cummings | 218,496 | Aug. 12, 1879 | 455 | 127 | 16 | 292 |
| Switch-signaling apparatus | W. Buchanan | 212,126 | Feb. 11, 1879 | 357 | 97 | 15 | 173 |
| Syringe | J. L. Connable | 214,552 | Apr. 22, 1879 | 993 | 279, 280 | 15 | 623 |
| Syringe | C. B. Dickinson | 213,979 | Apr. 8, 1879 | 283 | 82 | 15 | 517 |
| Syringe | J. L. Dibble | 213,978 | Apr. 8, 1879 | 282 | 81 | 15 | 517 |
| Syringe | J. H. Guest | 216,396 | June 10, 1879 | 445 | 127 | 15 | 948 |
| Syringe | J. T. Palmer | 212,046 | Feb. 4, 1879 | 258 | 70 | 15 | 158 |
| Syringe | D. C. Perkins and J. Davol | 212,975 | Mar. 4, 1879 | 241 | 66 | 15 | 327 |
| Syringe, Agricultural | P. C. Lewis | 213,050 | Mar. 11, 1879 | 335 | 94 | 15 | 348 |
| Syringe attachment | A. Berger | 212,177 | Feb. 11, 1879 | 409 | 111 | 15 | 180 |
| Syringe, Water-bag | M. Mattson | 218,449 | Aug. 12, 1879 | 394 | 108 | 16 | 284 |
| **T.** | | | | | | | |
| Table: *See* Billiard-table. Billiard and dining table. Cigar-maker's table. Dining-table. Extension-table. Folding table. Game-table. Ironing-table. Lap-table. Library reference-table. Sewing-machine table. Turn-table. Writing-table. | | | | | | | |
| Table | A. H. Hogins | 212,225 | Feb. 11, 1879 | 463 | 128 | 15 | 188 |
| Table and music-stand, Combined | J. Kayser | 217,796 | July 22, 1879 | 989 | 283 | 16 | 161 |
| Table and safe, Combined | D. J. Davis | 217,074 | July 1, 1879 | 168 | 49 | 16 | 24 |
| Table-knife | A. W. Cox | 216,725 | June 24, 1879 | 826 | 236 | 15 | 1018 |
| Table-leg | L. P. Dean | 213,549 | Mar. 25, 1879 | 836 | 256 | 15 | 437 |

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|---|---|---|---|---|---|---|---|
| Table-leg, Detachable | J. W. Bullock | 219,443 | Sept. 9, 1879 | 452 | 126 | 16 | 477 |
| Table, sink, &c., Combined | A. Zündorff | 214,271 | Apr. 15, 1879 | 648 | 182 | 15 | 572 |
| Tables, Fly-fan attachment for | J. E. Hanger | 213,193 | Mar. 11, 1879 | 506 | 140 | 15 | 370 |
| Tablet, Artist's | H. Russell | 213,454 | Mar. 18, 1879 | 785 | ..... | 15 | 415 |
| Tablet, Book | C. W. Baker | 211,880 | Feb. 4, 1879 | 66 | 20 | 15 | 134 |
| Tablet, Lettering | H. W. Kibbe | 217,736 | July 22, 1879 | 930 | 267 | 16 | 153 |
| Tablet, Manifold-writing | R. C. Morris and H. H. McLane | 213,771 | Apr. 1, 1879 | 43 | 14 | 15 | 478 |
| Tablet, Picture | C. E. Kellogg | 217,797 | July 22, 1879 | 990 | 283 | 16 | 161 |
| Tablet, Writing | C. L. Fluke | 223,126 | Dec. 30, 1879 | 1187 | 335 | 16 | 1214 |
| Tacking machine, Gang | M. Brock, E. Woodward, and G. W. Copeland. | 214,754 | Apr. 29, 1879 | 1221 | 342, 343 | 15 | 660 |
| Tacking-machine, Magnetic | G. W. Copeland and M. Brock | 215,438 | May 20, 1879 | 543 | 160 | 15 | 784 |
| Tackle-block | J. W. Norcross | 211,421 | Jan. 14, 1879 | 406 | 116 | 15 | 52 |
| Tackle-block | J. W. Norcross | 212,566 | Feb. 25, 1879 | 893 | 247 | 15 | 256 |
| Tackle-block | J. W. Norcross | 220,644 | Oct. 14, 1879 | 501 | 131 | 16 | 710 |
| Tackle-block | J. W. Norcross | 220,645 | Oct. 14, 1879 | 502 | 132 | 16 | 710 |
| Tackle-blocks, Axle-bearing for | J. W. Norcross | 221,469 | Nov. 11, 1879 | 388 | 106 | 16 | 874 |
| Tackle-hook | C. H. Roloson | 214,318 | Apr. 15, 1879 | 714 | 200 | 15 | 580 |
| Tag | H. C. Bainbridge | 218,469 | Aug. 12, 1879 | 427 | 119 | 16 | 288 |
| Tag | P. F. King | 216,796 | June 24, 1879 | 911 | 260 | 15 | 1029 |
| Tag | C. E. Sackett | 222,954 | Dec. 23, 1879 | 981 | 282 | 16 | 1176 |
| Tag-fastener | W. T. Barron | 221,275 | Nov. 4, 1879 | 149 | 41 | 16 | 833 |
| Tag-fastener | T. P. Marston | 216,798 | June 24, 1879 | 915 | 261 | 15 | 1029 |
| Tag-fastener | F. Morris | 215,765 | May 27, 1879 | 910 | 267 | 15 | 842 |
| Tag, Merchandise | H. M. Reis | 218,575 | Aug. 12, 1879 | 541 | 152 | 16 | 305 |
| Tag or ticket fastener | H. H. Groff | 214,125 | Apr. 8, 1879 | 472 | 134 | 15 | 539 |
| Tallow-cup | C. F. Raymond | 212,262 | Feb. 11, 1879 | 503 | 140 | 15 | 193 |
| Tally, Grain | C. H. Horton | 217,220 | July 8, 1879 | 339 | 100, 101 | 16 | 55 |
| Tally, Grain | W. P. Sheets | 217,824 | July 22, 1879 | 1020 | 293 | 16 | 164 |
| Tan-bark, Apparatus for leaching | R. R. Andrews | 218,212 | Aug. 5, 1879 | 122 | 33 | 16 | 236 |
| Tan-bark to and from leaches, Apparatus for conveying. | F. W. Clarke | 214,491 | Apr. 22, 1879 | 913 | 258 | 15 | 614 |
| Tan-vats, Machine for raising and floating hides in. | A. Whiting | 214,220 | Apr. 8, 1879 | 569 | 161 | 15 | 552 |
| Tanner's vats, Elevator for | A. Palmer | 214,439 | Apr. 15, 1879 | 844 | 237 | 15 | 597 |
| Tanning | M. L. Doty | 221,219 | Nov. 4, 1879 | 87 | ..... | 16 | 824 |
| Tanning | I. Wells | 223,200 | Dec. 30, 1879 | 1259 | ..... | 16 | 1224 |
| Tanning deer-skins | E. W. Avery | 217,042 | July 1, 1879 | 128 | ..... | 16 | 19 |
| Tanning hides and skins, Apparatus for | G. King | 218,539 | Aug. 12, 1879 | 502 | 141 | 16 | 299 |
| Tank: *See* Measuring-tank. Oil-tank. Petroleum storing-tank. Shipping-tank. Storage-tank. Water-tank. | | | | | | | |
| Tank for oils and other liquids | G. W. Aldrich | 220,327 | Oct. 7, 1879 | 131 | 36 | 16 | 652 |
| Tank for transporting gas, oil, &c | M. L. Hinman | 211,735 | Jan. 28, 1879 | 784 | 220 | 15 | 107 |
| Tank-hoop | F. P. Wares | 214,536 | Apr. 22, 1879 | 975 | 274 | 15 | 621 |
| Tap | L. D. Castle and J. W. Strong | 215,264 | May 13, 1879 | 343 | 100 | 15 | 749 |
| Tap and faucet | S. Sandholdt | 214,845 | Apr. 29, 1879 | 1332 | 370 | 15 | 674 |
| Tap, Barrel | E. J. Rubottom | 213,839 | Apr. 1, 1879 | 117 | 35 | 15 | 488 |
| Tap, Barrel | G. St. George | 213,705 | Mar. 25, 1879 | 1061 | 302 | 15 | 458 |
| Tap for barrels, Measuring and registering | W. S. Lynn | 218,292 | Aug. 5, 1879 | 206 | 56 | 16 | 248 |
| Tap for tin cans, &c | J. T. Cooper and J. Wagner | 221,285 | Nov. 4, 1879 | 159 | 43 | 16 | 834 |
| Tap-valve for barrels | M. G. Gillette | 220,602 | Oct. 14, 1879 | 458 | 119 | 16 | 704 |
| Tap-wrench | C. E. Billings | 215,039 | May 6, 1879 | 61 | 19 | 15 | 710 |
| Tapping and venting barrels, &c | E. Fitch | 220,595 | Oct. 14, 1879 | 451 | 117 | 16 | 703 |
| Tapping attachment for barrels and other vessels | J. H. Armstrong | 213,159 | Mar. 11, 1879 | 471 | 131 | 15 | 365 |
| Tapping mains, Device for | J. H. Chapman and R. Hawthorn | 216,379 | June 10, 1879 | 430 | 122 | 15 | 946 |
| Tapping pipe-fittings, Machine for | D. Ackerman | 215,710 | May 27, 1879 | 856 | 251 | 15 | 835 |
| Tapping water and gas mains, Machine for | C. D. Judd | 220,153 | Sept. 30, 1879 | 1268 | 348 | 16 | 614 |
| Target | W. H. Broden | 215,431 | May 20, 1879 | 534 | 158 | 15 | 783 |
| Target and target-stand | W. H. Wright and G. L. Thorne | 215,033 | May 6, 1879 | 55 | 17 | 15 | 709 |
| Target and trap, Flying | J. W. Beck | 221,021 | Oct. 28, 1879 | 962 | 256 | 16 | 787 |
| Target, Ball | C. V. Boughton | 215,085 | May 6, 1879 | 115 | 34 | 15 | 717 |
| Target, Ball | J. P. Newbold | 222,301 | Dec. 2, 1879 | 206 | 54 | 16 | 1037 |
| Target-balls, Making | O. F. Woodward | 219,557 | Sept. 9, 1879 | 564 | 158 | 16 | 493 |
| Target-balls, Spring-trap for throwing | F. X. Mulholland | 221,694 | Nov. 18, 1879 | 642 | 180 | 16 | 919 |
| Target, Flying | T. Bakewell | 223,023 | Dec. 30, 1879 | 1066 | 304 | 16 | 1198 |
| Target, Flying | E. Redmond | 220,254 | Oct. 7, 1879 | 50 | 13 | 16 | 641 |
| Target, Surveyor's | S. Haslett | 221,916 | Nov. 25, 1879 | 921 | 258 | 16 | 966 |
| Target thrower, Ball | H. Goodman | 212,213 | Feb. 11, 1879 | 454 | 125 | 15 | 186 |
| Targets, Machine for making flyers for | G. W. Rathsam | 220,172 | Sept. 30, 1879 | 1291 | 355 | 16 | 617 |
| Tassel, Muff | M. Silberstein | 213,139 | Mar. 11, 1879 | 447 | 124 | 15 | 362 |
| Tea and coffee pot | M. J. McCullough | 211,759 | Jan. 28, 1879 | 810 | 228 | 15 | 111 |
| Tea and coffee pot cover | H. C. Robertson | 222,840 | Dec. 23, 1879 | 851 | 245 | 16 | 1157 |
| Tea and coffee pot handle | J. E. Bingham | 211,692 | Jan. 28, 1879 | 734 | 204 | 15 | 101 |
| Tea and coffee pot spout | J. A. Carey and W. B. Choate | 214,551 | Apr. 22, 1879 | 992 | 279 | 15 | 623 |
| Tea-kettle | E. L. Brady | 214,236 | Apr. 15, 1879 | 605 | 172 | 15 | 566 |
| Tea-kettle | J. Hambitzer | 222,993 | Dec. 30, 1879 | 1032 | 296 | 16 | 1193 |
| Tea-kettle, Sheet-metal | L. J. Carpenter | 211,090 | Feb. 11, 1879 | 314 | 86 | 15 | 167 |
| Tea-pot | W. W. Stevens | 219,539 | Sept. 9, 1879 | 546 | 153 | 16 | 490 |
| Teaching arithmetic, Device for | S. P. Halleck | 215,916 | May 27, 1879 | 1086 | 315 | 15 | 864 |
| Teaching arithmetic, Device for | J. M. Hitchcock | 214,822 | Apr. 29, 1879 | 1303 | 364 | 15 | 671 |
| Teaching penmanship, Device for | C. R. Wells | 217,499 | July 15, 1879 | 648 | 184, 185 | 16 | 106 |
| Teaching word-analysis, Apparatus for | J. McNeill | 218,306 | Aug. 5, 1879 | 221 | 60 | 16 | 250 |
| Teeth, Apparatus for treating celluloid bases for artificial. | L. D. Dobbins | 222,678 | Dec. 16, 1879 | 668 | 192 | 16 | 1120 |
| Teeth, Artificial | J. W. Holt | 215,924 | May 27, 1879 | 1093 | 317 | 15 | 864 |
| Teeth, Filling | W. H. Rollins | 215,397 | May 13, 1879 | 482 | ..... | 15 | 768 |
| Telegraph, Acoustic | J. H. Irwin | 212,144 | Feb. 11, 1879 | 376 | 102 | 15 | 176 |
| Telegraph, Acoustic | J. H. Irwin | 212,145 | Feb. 11, 1879 | 377 | 103 | 15 | 176 |
| Telegraph and fire-alarm signal apparatus | A. C. and A. H. Palmer | 220,727 | Oct. 21, 1879 | 605 | 161 | 16 | 732 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Telegraph and telephone systems, Circuit and signaling apparatus for district. | T. N. Vail | 219,188 | Sept. 2, 1879 | 142 | 43 | 16 | 430 |
| Telegraph, Autographic | E. A. Cowper | 217,588 | July 15, 1879 | 744 | 212 | 16 | 119 |
| Telegraph, Automatic | T. A. Edison | 213,554 | Mar. 25, 1879 | 900 | 257 | 15 | 437 |
| Telegraph, Automatic | A. G. Ryder | 213,779 | Apr. 1, 1879 | 51 | 17 | 15 | 479 |
| Telegraph box, Fire | A. Ballard | 215,083 | May 6, 1879 | 110 | 33, 34 | 15 | 716 |
| Telegraph-conductor | J. T. Shuster | 213,458 | Mar. 18, 1879 | 787 | 222 | 15 | 416 |
| Telegraph, Duplex | T. A. Edison | 217,782 | July 22, 1879 | 971 | 278 | 16 | 159 |
| Telegraph, Duplex | G. S. Mott | 221,850 | Nov. 18, 1879 | 830 | 232 | 16 | 943 |
| Telegraph, Fire-alarm | W. Fix | 218,724 | Aug. 19, 1879 | 716 | 204 | 16 | 337 |
| Telegraph, Fire-alarm | C. H. Pond | 212,819 | Mar. 4, 1879 | 43 | 14 | 15 | 303 |
| Telegraph instrument, Fire-alarm | C. H. Pond | 213,065 | Mar. 11, 1879 | 352 | 99 | 15 | 350 |
| Telegraph-key | H. Ames | 213,312 | Mar. 18, 1879 | 646 | 182 | 15 | 396 |
| Telegraph key and switch | W. E. and J. W. Buzby | 215,093 | May 6, 1879 | 122 | 36 | 15 | 718 |
| Telegraph-line, Underground | T. B. Atterbury | 220,954 | Oct. 28, 1879 | 883 | 236 | 16 | 777 |
| Telegraph-line, Underground | I. B. Livingston | 221,686 | Nov. 18, 1879 | 636 | 178 | 16 | 918 |
| Telegraph-line, Underground | J. S. Pierson | 217,479 | July 15, 1879 | 629 | 179 | 16 | 104 |
| Telegraph-lines, Coupling for underground | T. J. McTighe | 220,936 | Oct. 28, 1879 | 855 | 230 | 16 | 774 |
| Telegraph-lines, Recorder for long | R. K. Boyle | 221,151 | Nov. 4, 1879 | 14 | 4 | 16 | 814 |
| Telegraph-pole | J. B. and J. M. Cornell | 217,343 | July 8, 1879 | 468 | 136, 137 | 16 | 72 |
| Telegraph-pole | D. Lathrop | 221,076 | Oct. 28, 1879 | 1022 | 271 | 16 | 795 |
| Telegraph-pole | J. and J. McDermott | 219,644 | Sept. 16, 1879 | 681 | 189 | 16 | 516 |
| Telegraph-pole | J. and J. McDermott | 220,029 | Sept. 30, 1879 | 1118 | 309 | 16 | 593 |
| Telegraph-pole | J. Rauch | 218,062 | July 29, 1879 | 1293 | 370 | 16 | 307 |
| Telegraph, Printing | G. L. Anders | 215,551 | May 20, 1879 | 673 | 196, 197 | 15 | 832 |
| Telegraph, Printing | J. A. Hitter, jr | 216,411 | June 10, 1879 | 461 | 131, 132 | 15 | 950 |
| Telegraph, Railway-car | E. J. J. De Baillehache | 216,716 | June 24, 1879 | 815 | 233 | 15 | 1017 |
| Telegraph repeater, Fire-alarm | A. W. Gray | 221,229 | Nov. 4, 1879 | 97 | 25, 26 | 16 | 825 |
| Telegraph, Sextuplex | T. A. Edison | 217,781 | July 22, 1879 | 970 | 278 | 16 | 158 |
| Telegraph switch-board | J. H. Bunnell | 215,568 | May 20, 1879 | 695 | 204 | 15 | 805 |
| Telegraph, Underground | C. Linford | 220,765 | Oct. 21, 1879 | 648 | 173 | 16 | 738 |
| Telegraph, Underground | W. E. Prall | 218,192 | Aug. 5, 1879 | 102 | 27 | 16 | 234 |
| Telegraphs, Application of the condenser to multiple. | B. Thompson and C. Selden | 217,304 | July 8, 1879 | 423 | 125 | 16 | 66 |
| Telegraphs, Key system for quadruplex | F. W. Jones | 218,181 | Aug. 5, 1879 | 88 | 23 | 16 | 233 |
| Telegraphic conductor | M. H. Alberger | 211,681 | Jan. 28, 1879 | 721 | 202 | 15 | 99 |
| Telephone | C. T. Dickson | 217,003 | July 1, 1879 | 80 | 24 | 1 | 13 |
| Telephone | A. K. Eaton | 222,475 | Dec. 9, 1879 | 417 | 118 | 16 | 1075 |
| Telephone | T. A. Edison | 221,957 | Nov. 25, 1879 | 974 | 272, 273 | 16 | 972 |
| Telephone | A. C. Hubbard | 220,839 | Oct. 21, 1879 | 735 | 195 | 16 | 748 |
| Telephone, Acoustic | J. Draper | 213,813 | Apr. 1, 1879 | 92 | 28 | 15 | 484 |
| Telephone, Acoustic | H. Willard and A. M. Cheney | 221,135 | Oct. 28, 1879 | 1080 | 285 | 16 | 803 |
| Telephone-alarm system | C. E. Buell | 221,512 | Nov. 11, 1879 | 439 | 119 | 16 | 881 |
| Telephone and microphone switch | C. Anderson and A. E. Briggs | 218,362 | Aug. 12, 1879 | 298 | 81 | 16 | 271 |
| Telephone and microphone switch | A. E. Briggs | 218,702 | Aug. 19, 1879 | 694 | 197 | 16 | 334 |
| Telephone and Morse sounder, Combined speaking | A. E. Dolbear | 220,205 | Sept. 30, 1879 | 1332 | 367 | 16 | 623 |
| Telephone and telegraph line signal | S. W. Francis | 219,244 | Sept. 2, 1879 | 218 | 63 | 16 | 439 |
| Telephone apparatus, Speaking | E. Gray | 212,373 | Feb. 18, 1879 | 641 | 180 | 15 | 214 |
| Telephone, Carbon | G. D. Clarke | 217,773 | July 22, 1879 | 962 | 276 | 16 | 157 |
| Telephone, Carbon | T. A. Edison | 222,390 | Dec. 9, 1879 | 311 | 87 | 16 | 1062 |
| Telephone, Carbon | J. W. Gilbert | 221,547 | Nov. 11, 1879 | 481 | 132 | 16 | 887 |
| Telephone, Carbon | G. M. Phelps | 222,202 | Dec. 2, 1879 | 97 | 24 | 16 | 1022 |
| Telephone-case | G. M. Phelps | 220,729 | Oct. 21, 1879 | 607 | 162 | 16 | 732 |
| Telephone-circuit | A. G. Bell | 220,791 | Oct. 21, 1879 | 684 | 181 | 16 | 741 |
| Telephone-circuit | T. N. Vail | 222,966 | Dec. 23, 1879 | 996 | 285 | 16 | 1178 |
| Telephone, Electric | W. F. Cook | 219,446 | Sept. 9, 1879 | 453 | 126 | 16 | 477 |
| Telephone, Electric | F. K. Fitch | 214,767 | Apr. 29, 1879 | 1236 | 347 | 15 | 662 |
| Telephone, Electric | F. A. Gower | 217,208 | July 8, 1879 | 324 | 96 | 16 | 53 |
| Telephone, Electric | F. A. Gower | 218,873 | Aug. 26, 1879 | 915 | 256 | 16 | 374 |
| Telephone, Electric | J. H. Irwin | 216,793 | June 24, 1879 | 908 | 259 | 15 | 1028 |
| Telephone, Electric | H. L. Roosevelt | 218,775 | Aug. 19, 1879 | 773 | 219 | 16 | 344 |
| Telephone, Electric | H. L. Roosevelt | 218,776 | Aug. 19, 1879 | 774 | 219, 220 | 16 | 344 |
| Telephone, Electric | S. H. Short | 218,582 | Aug. 12, 1879 | 547 | 154 | 16 | 305 |
| Telephone, Electric speaking | A. G. Bell | 213,090 | Mar. 11, 1879 | 389 | 108 | 15 | 355 |
| Telephone, Electric speaking | F. P. Mills | 220,855 | Oct. 21, 1879 | 748 | 200 | 16 | 750 |
| Telephone, Electric speaking | G. M. Phelps | 214,840 | Apr. 29, 1879 | 1322 | 369 | 15 | 673 |
| Telephone, Electrical contact | E. Berliner | 222,652 | Dec. 16, 1879 | 638 | 183 | 16 | 1116 |
| Telephone-exchange, Automatic | M. D. and T. A. Connolly and T. J. McTighe. | 222,458 | Dec. 9, 1879 | 388 | 111, 112 | 16 | 1071 |
| Telephone-exchange, Auxiliary | G. Westinghouse, jr | 223,201 | Dec. 30, 1879 | 1260 | 357, 358 | 16 | 1224 |
| Telephone-exchange system and device | F. Shaw | 220,874 | Oct. 21, 1879 | 771 | 205 | 16 | 753 |
| Telephone-lines, Electric call apparatus for | G. L. Anders | 218,153 | Aug. 5, 1879 | 55 | 15 | 16 | 228 |
| Telephone, Magnet | C. Ader | 222,118 | Dec. 2, 1879 | 1 | 1 | 16 | 1009 |
| Telephone, Magneto-electric speaking | G. M. Phelps | 218,684 | Aug. 19, 1879 | 676 | 192 | 16 | 332 |
| Telephone, Mechanical | C. H. Billings and M. J. Maxwell | 218,707 | Aug. 19, 1879 | 697 | 198 | 16 | 334 |
| Telephone, Mechanical | E. D. Finch | 216,840 | June 24, 1879 | 961 | 273 | 15 | 1034 |
| Telephone, Mechanical | M. L. Hoover | 217,690 | July 22, 1879 | 883 | 251 | 16 | 146 |
| Telephone, Mechanical | H. D. and I. D. Jewett | 211,161 | Jan. 7, 1879 | 92 | 29 | 15 | 13 |
| Telephone, Mechanical | J. W. Maxwell | 216,051 | June 3, 1879 | 51 | 14 | 15 | 891 |
| Telephone, Mechanical | H. Willard and A. M. Cheney | 211,486 | Jan. 21, 1879 | 481 | 135 | 15 | 65 |
| Telephone, Pneumatic signal | F. A. Gower | 217,278 | July 8, 1879 | 398 | 118 | 16 | 63 |
| Telephone-signal | F. A. Gower | 220,826 | Oct. 21, 1879 | 720 | 191 | 16 | 746 |
| Telephone-signal, Visible | C. Ader | 222,119 | Dec. 2, 1879 | 2 | 1 | 16 | 1009 |
| Telephone-signaling apparatus | A. Paris and J. P. Lange | 213,929 | Apr. 1, 1879 | 210 | 62 | 15 | 500 |
| Telephone, Speaking | A. Eccard | 214,029 | Apr. 8, 1879 | 341 | 98 | 15 | 525 |
| Telephone, Speaking | W. Gillett | 213,283 | Mar. 18, 1879 | 617 | 173 | 15 | 392 |
| Telephone, Speaking | G. M. Phelps | 220,209 | Sept. 30, 1879 | 1336 | 368 | 16 | 624 |
| Telephone, Speaking | T. A. Watson | 217,561 | July 15, 1879 | 717 | 204 | 16 | 116 |

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|---|---|---|---|---|---|---|---|
| Telephone-switch | H. A. House | 220,717 | Oct. 21, 1879 | 593 | 158, 159 | 16 | 730 |
| Telephone-switch | H. L. Roosevelt | 215,837 | May 27, 1879 | 1000 | 291 | 15 | 853 |
| Telephone-switch, Automatic electric | E. T. Greenfield | 223,132 | Dec. 30, 1879 | 1192 | 337 | 16 | 1215 |
| Telephone-switch, Electric speaking | G. M. Phelps | 222,201 | Dec. 2, 1879 | 96 | 24 | 16 | 1022 |
| Telephone-switch for connecting local lines by means of main lines, Automatic. | G. Westinghouse, jr | 223,202 | Dec. 30, 1879 | 1265 | 358 | 16 | 1225 |
| Telephone-transmission, Resistance for adapting common lines to. | W. Gillett | 214,248 | Apr. 15, 1879 | 621 | 176 | 15 | 568 |
| Telephone-transmitter | C. A. Randall | 221,355 | Nov. 4, 1879 | 243 | 66 | 16 | 846 |
| Telephones, Apparatus for operating speaking | E. Gray | 221,406 | Nov. 11, 1879 | 313 | 86 | 16 | 864 |
| Telephones, Compressible button for | A. K. Eaton | 217,930 | July 29, 1879 | 1152 | ..... | 16 | 189 |
| Telephonic circuit | A. K. Eaton | 222,476 | Dec. 9, 1879 | 418 | 118 | 16 | 1075 |
| Telephonic conductor | E. Holmes and E. T. Greenfield | 221,170 | Nov. 4, 1879 | 37 | 10 | 16 | 817 |
| Telephony, Electric | G. Black and A. M. Rosebrugh | 212,433 | Feb. 18, 1879 | 715 | 198 | 15 | 224 |
| Telephony, Electric | A. M. Rosebrugh | 212,510 | Feb. 18, 1879 | 819 | 227 | 15 | 238 |
| Telescope | K. Fritsch and J. Forster | 214,501 | Apr. 22, 1879 | 924 | 261 | 15 | 615 |
| Telescopes and microscopes, Eye-piece and objective for. | E. Gundlach | 222,132 | Dec. 2, 1879 | 16 | 5 | 16 | 1011 |
| Tellurian | S. D. Engle | 218,509 | Aug. 12, 1879 | 467 | 131 | 16 | 294 |
| Tellurian | G. McBride | 221,838 | Nov. 18, 1879 | 817 | 227 | 16 | 941 |
| Temperature, Electrical apparatus for regulating | R. O. Crowley | 219,694 | Sept. 16, 1879 | 736 | 203 | 16 | 523 |
| Tenoning-machine | G. H. Gregory | 213,413 | Mar. 18, 1879 | 747 | 210 | 15 | 410 |
| Tent | G. C. Doane | 214,996 | May 6, 1879 | 15 | 6 | 15 | 705 |
| Tent | C. W. Hobbs | 215,610 | May 20, 1879 | 744 | 217 | 15 | 811 |
| Tenter-clothing | A. Spitzli and T. J. Lacy | 221,369 | Nov. 4, 1879 | 258 | 70 | 16 | 848 |
| Terret | C. T. Grilley | 218,623 | Aug. 19, 1879 | 613 | 172 | 16 | 322 |
| Testicle-supporter | S. Cooper and H. Hosford | 214,888 | Apr. 29, 1879 | 1373 | 382 | 15 | 680 |
| Testing-machine | T. Olsen | 212,107 | Feb. 11, 1879 | 331 | 91 | 15 | 170 |
| Testing-machine | T. Olsen | 212,734 | Feb. 25, 1879 | 1065 | 296 | 15 | 279 |
| Testing-machine | T. Olsen | 213,525 | Mar. 25, 1879 | 864 | 246 | 15 | 433 |
| Testing-machine | T. Olsen | 213,586 | Mar. 25, 1879 | 936 | 266 | 15 | 442 |
| Testing-machine | T. Olsen | 213,998 | Apr. 8, 1879 | 302 | 88 | 15 | 520 |
| Testing-machine | J. H. Usher | 213,362 | Mar. 18, 1879 | 699 | 195 | 15 | 403 |
| Testing-machine, Hydraulic | T. Olsen | 215,067 | May 6, 1879 | 91 | 28 | 15 | 714 |
| Tether | G. C. Beal | 221,497 | Nov. 11, 1879 | 423 | 115 | 16 | 879 |
| Tether | J. A. Fox and T. F. Cottrell | 215,730 | May 27, 1879 | 879 | 257 | 15 | 838 |
| Tether | C. E. Yager | 217,254 | July 8, 1879 | 373 | 110 | 16 | 60 |
| Tether, Animal | J. W. Ricker | 218,452 | Aug. 12, 1879 | 397 | 109 | 16 | 284 |
| Tether, Animal | E. Wright | 221,651 | Nov. 11, 1879 | 585 | 163 | 16 | 903 |
| Tether, Horse | G. P. Jewett | 215,225 | May 13, 1879 | 293 | 86 | 15 | 742 |
| Textile and other fabrics, Machine for cutting | A. Warth | 213,017 | Mar. 4, 1879 | 287 | 81 | 15 | 334 |
| Textile fabrics, Machine for stamping or beetling | J. Patterson | 211,520 | Jan. 21, 1879 | 523 | 147 | 15 | 70 |
| Textile fabrics, Ornamenting | W. W. Carpenter | 214,279 | Apr. 15, 1879 | 659 | 184 | 15 | 573 |
| Theater appliances | W. L. Hunt | 214,663 | Apr. 22, 1879 | 1110 | 311 | 15 | 638 |
| Theater appliances | S. Mackaye | 222,143 | Dec. 2, 1879 | 31 | 8 | 16 | 1013 |
| Thermometer | L. Peroni | 222,420 | Dec. 9, 1879 | 343 | 97 | 16 | 1066 |
| Thermometer, Power | W. D. Grimshaw | 222,897 | Dec. 23, 1879 | 917 | 264 | 16 | 1167 |
| Thermostat | F. W. Mallett | 216,047 | June 3, 1879 | 47 | 13 | 15 | 890 |
| Thermostat and manual circuit-closer | A. D. Blodgett | 212,586 | Feb. 25, 1879 | 918 | 254 | 15 | 259 |
| Thermostat for carbureters | W. Pierce | 211,306 | Jan. 14, 1879 | 278 | 82 | 15 | 36 |
| Thill-coupling | H. Albers | 222,120 | Dec. 2, 1879 | 5 | 1 | 16 | 1009 |
| Thill-coupling | D. C. Bacon | 212,422 | Feb. 18, 1879 | 701 | 194 | 15 | 222 |
| Thill-coupling | W. V. R. Blighton | 222,621 | Dec. 16, 1879 | 601 | 171 | 16 | 1110 |
| Thill-coupling | C. E. Brainerd | 217,052 | July 1, 1879 | 140 | 41 | 16 | 20 |
| Thill-coupling | H. E. Braunfeld | 214,235 | Apr. 15, 1879 | 604 | 171 | 15 | 566 |
| Thill-coupling | J. H. Brodie | 217,771 | July 22, 1879 | 961 | 276 | 16 | 157 |
| Thill-coupling | W. C. Coddington | 212,194 | Feb. 11, 1879 | 435 | 129 | 15 | 184 |
| Thill-coupling | D. W. Copeland | 214,553 | Apr. 22, 1879 | 994 | 280 | 15 | 623 |
| Thill-coupling | W. M. Curry | 222,021 | Nov. 25, 1879 | 1035 | 290 | 16 | 980 |
| Thill-coupling | J. O. Flower | 222,393 | Dec. 9, 1879 | 313 | 88 | 16 | 1062 |
| Thill-coupling | H. F. Gaines | 215,907 | May 27, 1879 | 1077 | 313 | 15 | 862 |
| Thill-coupling | C. E. Gillespie and H. J. and F. J. Springer. | 212,308 | Feb. 18, 1879 | 564 | 158 | 15 | 204 |
| Thill-coupling | C. L. Goehring | 222,819 | Dec. 23, 1879 | 826 | 237 | 16 | 1153 |
| Thill-coupling | R. A. Goldsmith | 218,014 | July 29, 1879 | 1243 | 356 | 16 | 200 |
| Thill-coupling | A. Hard | 216,270 | June 10, 1879 | 296 | 87 | 15 | 929 |
| Thill-coupling | L. Harris | 213,416 | Mar. 18, 1879 | 750 | 211 | 15 | 410 |
| Thill-coupling | R. W. Hawes | 215,921 | May 27, 1879 | 1091 | 317 | 15 | 864 |
| Thill-coupling | R. Houghtaling | 213,424 | Mar. 18, 1879 | 756 | 213 | 15 | 411 |
| Thill-coupling | J. Jacoby | 211,406 | Jan. 14, 1879 | 388 | 111 | 15 | 50 |
| Thill-coupling | A. P. Johe | 218,675 | Aug. 19, 1879 | 668 | 189 | 16 | 330 |
| Thill-coupling | J. Lauth | 217,696 | July 22, 1879 | 888 | 253 | 16 | 147 |
| Thill-coupling | W. S. Layard | 221,175 | Nov. 4, 1879 | 42 | 12 | 16 | 818 |
| Thill-coupling | J. McDermott | 213,226 | Mar. 11, 1879 | 539 | 149 | 15 | 374 |
| Thill-coupling | R. R. Murdock | 222,150 | Dec. 2, 1879 | 40 | 10 | 16 | 1015 |
| Thill-coupling | S. T. Osmer | 214,521 | Apr. 22, 1879 | 962 | 270 | 15 | 619 |
| Thill-coupling | P. A. Owen | 217,636 | July 15, 1879 | 797 | 227 | 16 | 126 |
| Thill-coupling | D. C. Pierce | 211,305 | Jan. 14, 1879 | 278 | 82 | 15 | 36 |
| Thill-coupling | T. W. and H. K. Porter | 221,188 | Nov. 4, 1879 | 54 | 15 | 16 | 819 |
| Thill-coupling | W. Quinlan | 219,175 | Sept. 2, 1879 | 129 | 39 | 16 | 429 |
| Thill-coupling | B. F. Richardson | 221,423 | Nov. 11, 1879 | 333 | 92 | 16 | 867 |
| Thill-coupling | J. Richardson | 219,020 | Aug. 26, 1879 | 1073 | 302 | 16 | 395 |
| Thill-coupling | M. H. Risser | 216,458 | June 10, 1879 | 515 | 147 | 15 | 958 |
| Thill-coupling | I. N. Roberts | 220,090 | Sept. 30, 1879 | 1205 | 332 | 16 | 605 |
| Thill-coupling | M. F. Ten Eyck | 212,333 | Feb. 18, 1879 | 595 | 166 | 15 | 208 |
| Thill-coupling | T. Tufts | 218,129 | Sept. 2, 1879 | 80 | 25 | 16 | 423 |
| Thill coupling | G. H. Weed | 216,247 | June 3, 1879 | 250 | 74 | 15 | 916 |
| Thill-coupling | C. A. Williams | 213,796 | Apr. 1, 1879 | 72 | 23 | 15 | 482 |
| Thill-coupling | H. W. Wilson and A. Gandy | 220,456 | Oct. 7, 1879 | 270 | 73 | 16 | 672 |
| Thill-coupling | M. L. Winans | 213,486 | Mar. 18, 1879 | 813 | 229 | 15 | 418 |
| Thill-coupling and support | W. J. Morgan | 221,341 | Nov. 4, 1879 | 229 | 62 | 16 | 844 |
| Thill-coupling jack | E. Eberly | 216,262 | June 10, 1879 | 284 | 83 | 15 | 928 |
| Thill-coupling loop | H. K. Porter | 216,291 | June 10, 1879 | 323 | 95 | 15 | 932 |
| Thill-lug | J. S. Folsom | 214,120 | Apr. 8, 1879 | 462 | 132 | 15 | 538 |

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| Thill support, Vehicle | G. H. Pitcher and L. Young | 216,453 | June 10, 1879 | 512 | 145 | 15 | 957 |
| Thill supporter, Vehicle | H. O. Rector | 212,325 | Feb. 18, 1879 | 586 | 163 | 15 | 207 |
| Thimble | M. D. Chipley | 222,572 | Dec. 16, 1879 | 540 | 153 | 16 | 1102 |
| Thimble | E. F. McCartney | 216,336 | June 10, 1879 | 383 | 109 | 15 | 940 |
| Thimble and thread-cutter, Combined | A. McIntosh | 213,124 | Mar. 11, 1879 | 427 | 118 | 15 | 359 |
| Thrasher and cleaner for pease, beans, &c | J. J. Sweatt | 212,763 | Feb. 25, 1879 | 1099 | 305 | 15 | 284 |
| Thrasher and huller, Clover | E. R. Jones and J. W. Grubbs | 211,472 | Jan. 21, 1879 | 466 | 132 | 15 | 63 |
| Thrasher and separator | P. Horn | 221,463 | Nov. 11, 1879 | 381 | 104 | 16 | 873 |
| Thrasher and separators, Straw-elevators for | A. W. Meyer | 216,209 | June 3, 1879 | 210 | 63 | 15 | 911 |
| Thrashers, Band-cutter and feeder for | I. H. Green | 219,463 | Sept. 9, 1879 | 471 | 131 | 16 | 480 |
| Thrashing-machine | J. Allonas | 217,039 | July 1, 1879 | 124 | 37 | 16 | 19 |
| Thrashing-machine | E. S. Bitner and H. A. Gentzel | 218,657 | Aug. 19, 1879 | 646 | 182 | 16 | 327 |
| Thrashing-machine | F. W. Robinson | 217,903 | July 29, 1879 | 1123 | 322 | 16 | 185 |
| Thrashing-machine | J. Rumely | 214,056 | Apr. 8, 1879 | 379 | 107 | 15 | 529 |
| Thrashing-machine | J. P. Smith | 222,319 | Dec. 2, 1879 | 225 | 60 | 16 | 1040 |
| Thrashing-machine | M. Williams | 219,051 | Aug. 26, 1879 | 1106 | 310 | 16 | 399 |
| Thrashing-machine and grain-separator, Combined | R. H. Monteith | 212,041 | Feb. 4, 1879 | 252 | 68 | 15 | 157 |
| Thrashing-machine attachment | H. A. Higgins | 215,617 | May 20, 1879 | 754 | 220 | 15 | 813 |
| Thrashing-machine band-cutter and feeder | W. H. Bassett | 212,583 | Feb. 25, 1879 | 914 | 252 | 15 | 259 |
| Thrashing-machine feeder | A. W. Lockhart | 214,255 | Apr. 15, 1879 | 628 | 177 | 15 | 569 |
| Thrashing-machine feeder | H. J. Norton and J. Edgar | 218,683 | Aug. 19, 1879 | 675 | 192 | 16 | 331 |
| Thrashing machine, Flax | J. W. Crooks | 222,462 | Dec. 9, 1879 | 401 | 114 | 16 | 1073 |
| Thrashing machine, Flax | G. W. Estabrook, S. Wilhelm, J. Wisner, jr., and H. E. Gilliland. | 215,052 | May 6, 1879 | 76 | 23 | 15 | 712 |
| Thrashing-machine grain-feeder and band-cutter | O. Cleaveland | 215,098 | May 6, 1879 | 127 | 38 | 15 | 719 |
| Thrashing-machine spikes, Die for | F. Transue | 221,372 | Nov. 4, 1879 | 260 | 70 | 16 | 849 |
| Thrashing-machine, Straw-carrier | F. Kitten | 211,664 | Jan. 28, 1879 | 705 | 197 | 15 | 97 |
| Thrashing-machines, &c., Air-blast regulator for | J. Hunsinger | 212,004 | Feb. 4, 1879 | 206 | 58 | 15 | 152 |
| Thrashing-machines, &c., Separator-shoe for | E. Mock | 220,032 | Sept. 30, 1879 | 1122 | 310 | 16 | 593 |
| Thread, Apparatus for waxing | M. Chase and Z. Sargent | 220,465 | Oct. 14, 1879 | 291 | 77, 78 | 16 | 683 |
| Thread washing and beating machine | E. Charlon | 211,379 | Jan. 14, 1879 | 361 | 104 | 15 | 47 |
| Thread, Waxed or tarred | J. Keith | 217,948 | July 29, 1879 | 1172 | 335 | 16 | 191 |
| Threshold, Water-proof | T. C. York | 220,460 | Oct. 7, 1879 | 274 | 74 | 16 | 673 |
| Thrust-block | J. S. Wilson | 215,782 | May 27, 1879 | 931 | 274 | 15 | 845 |
| Ticket-box | H. C. Sergeant and H. Porter | 221,943 | Nov. 25, 1879 | 958 | 268 | 16 | 970 |
| Ticket-case | A. W. Sperry | 213,000 | Mar. 4, 1879 | 268 | 74 | 15 | 331 |
| Ticket-clasp | W. H. Poole | 216,972 | July 1, 1879 | 52 | 16 | 16 | 9 |
| Ticket or tag, Pin | E. A. G. Roulstone | 220,772 | Oct. 21, 1879 | 661 | 175 | 16 | 739 |
| Ticket, Passenger | J. H. Purdy | 212,324 | Feb. 18, 1879 | 585 | 163 | 15 | 207 |
| Ticket, Passenger | J. N. Stinson | 217,753 | July 22, 1879 | 943 | 271 | 16 | 155 |
| Tidy-holder | H. Wellington | 216,365 | June 10, 1879 | 411 | 118 | 15 | 944 |
| Tie: *See* Bag-tie. Bale-tie. Neck-tie. Rail-tie. Railway-tie. | | | | | | | |
| Tie-loop | J. P. Hisley | 218,816 | Aug. 26, 1879 | 845 | 237 | 16 | 364 |
| Tile, Drain | A. Campbell | 220,749 | Oct. 21, 1879 | 627 | 168 | 16 | 735 |
| Tile for covering vaults, &c., Illuminating | W. Dale | 211,297 | Jan. 14, 1879 | 258 | 75, 76 | 15 | 34 |
| Tile for roofs and pavements, Illuminating | J. Jacobs | 222,053 | Nov. 25, 1879 | 1072 | 300 | 16 | 985 |
| Tile-gate | P. M. Earle | 222,389 | Dec. 9, 1879 | 310 | 87 | 16 | 1062 |
| Tile-machine attachment | P. Ozmann | 221,934 | Nov. 25, 1879 | 944 | 265 | 16 | 968 |
| Tile-molding for holding tiles | C. A. Wellington | 215,849 | May 27, 1879 | 1016 | 296 | 15 | 855 |
| Tile, Roofing | E. Bennett | 211,955 | Feb. 4, 1879 | 154 | 44 | 15 | 146 |
| Tile, Roofing | G. A. Taylor | 211,944 | Feb. 4, 1879 | 138 | 40 | 15 | 144 |
| Tiles and other articles in imitation intarsia, Manufacture of. | F. Koskul | 222,286 | Dec. 2, 1879 | 192 | 59 | 16 | 1035 |
| Tiles and slabs, Manufacture of | J. W. Hartley | 219,579 | Sept. 16, 1879 | 597 | 167 | 16 | 505 |
| Tiles, Compound for drain | H. F. Bundock and E. T. Mapel | 221,663 | Nov. 18, 1879 | 608 | 170 | 16 | 914 |
| Tiles for use as stands, Frame for holding ornamental or fancy pottery. | C. A. Wellington | 212,335 | Feb. 18, 1879 | 597 | 167 | 15 | 208 |
| Tiles, Manufacture of decorative | J. G. Low | 212,478 | Feb. 18, 1879 | 773 | 214 | 15 | 231 |
| Tiles, Manufacture of imitation intarsia | F. Koskul | 214,826 | Apr. 29, 1879 | 1307 | ..... | 15 | 671 |
| Tiles, Manufacture of roofing and paving | H. B. Camp | 211,618 | Jan. 28, 1879 | 648 | 182 | 15 | 89 |
| Tiles, paving-blocks, &c., Composition for drain | W. H. Haight | 212,377 | Feb. 18, 1879 | 644 | ..... | 15 | 214 |
| Tiling, Mold for producing inlaid | J. H. Thorp | 211,277 | Jan. 7, 1879 | 217 | 63 | 15 | 28 |
| Till-alarm | E. Beecher | 219,796 | Sept. 23, 1879 | 862 | 237, 238 | 16 | 549 |
| Tilting chair | F. Chichester | 217,584 | July 15, 1879 | 740 | 211 | 16 | 119 |
| Tilting gate | R. L. Dawson | 216,315 | June 10, 1879 | 348 | 102 | 15 | 936 |
| Timber-joint | C. Bramble | 218,920 | Aug. 26, 1879 | 969 | 272 | 16 | 381 |
| Timber, Solution for preserving | E. Bouvier | 218,659 | Aug. 19, 1879 | 648 | ..... | 16 | 327 |
| Time-detecter, Watchman's | F. Imhaeuser | 217,620 | July 15, 1879 | 783 | 223 | 16 | 124 |
| Time instrument, Solar | S. Hayford | 219,469 | Sept. 9, 1879 | 477 | 132, 133 | 16 | 480 |
| Time-keepers, Escapement for | J. J. Johnston | 220,763 | Oct. 21, 1879 | 645 | 172 | 16 | 737 |
| Time-lock | C. E. Chinnock | 213,899 | Apr. 1, 1879 | 84 | 27 | 15 | 483 |
| Time-lock | M. A. Dalton | 221,789 | Nov. 18, 1879 | 752 | 210, 211, 212, 213 | 16 | 934 |
| Time-lock | J. L. Hall | 214,034 | Apr. 8, 1879 | 349 | 100 | 15 | 526 |
| Time-lock | P. F. King | 211,409 | Jan. 14, 1879 | 391 | 112 | 15 | 51 |
| Time-lock | P. F. King | 216,795 | June 24, 1879 | 910 | 259 | 15 | 1029 |
| Time-lock | W. Kook and J. L. Hall | 212,610 | Feb. 25, 1879 | 943 | 261 | 15 | 262 |
| Time-lock | W. Kook and J. L. Hall | 214,045 | Apr. 8, 1879 | 365 | 104 | 15 | 527 |
| Time-lock | W. Kook and J. L. Hall | 214,781 | Apr. 29, 1879 | 1254 | 351 | 15 | 664 |
| Time-lock | W. Kook and J. L. Hall | 218,385 | Aug. 12, 1879 | 323 | 88 | 16 | 274 |
| Time-lock | J. B. Overmyer | 214,438 | Apr. 15, 1879 | 843 | 237 | 15 | 597 |
| Time-lock | S. Shaw | 222,084 | Nov. 25, 1879 | 1108 | 312 | 16 | 991 |
| Time-lock | T. Shaw | 215,777 | May 27, 1879 | 926 | 272 | 15 | 844 |
| Time-locks, Automatic winding mechanism for | S. M. Lillie | 216,797 | June 24, 1879 | 911 | 260 | 15 | 1029 |
| Time-pieces, Escapement for | A. G. Laughlin | 220,849 | Oct. 21, 1879 | 744 | 198 | 16 | 750 |
| Time-register, Split-second | W. A. Wales | 220,195 | Sept. 30, 1879 | 1321 | 365 | 16 | 622 |
| Tin and terne plate, Manufacture of | E. Morewood | 220,768 | Oct. 21, 1879 | 652 | 174 | 16 | 733 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Tin box | J. E. Burns | 217,445 | July 15, 1879 | 594 | 170 | 16 | 99 |
| Tin can | E. P. Follett | 219,083 | Sept. 2, 1879 | 30 | 9 | 16 | 416 |
| Tincture-press | J. G. Baker | 220,112 | Sept. 30, 1879 | 1226 | 338 | 16 | 608 |
| Tinner's fire-pot | W. S. Boyd, 3d | 222,859 | Dec. 23, 1879 | 877 | 252 | 16 | 1160 |
| Tinware vessel | W. G. Moore | 213,056 | Mar. 11, 1879 | 342 | 96 | 15 | 349 |
| Tire-bending machine | J. F. Bender | 216,254 | June 10, 1879 | 275 | 81 | 15 | 927 |
| Tire-fastening for vehicle-wheels | C. H. Starkey | 223,182 | Dec. 30, 1879 | 1242 | 352 | 16 | 1222 |
| Tire setter and fastener | D. Fairbanks | 217,599 | July 15, 1879 | 761 | 216 | 16 | 121 |
| Tire-setting machine | R. B. and J. R. Parks | 214,000 | Apr. 8, 1879 | 304 | 88, 89 | 15 | 520 |
| Tire-shrinker | G. H. Stroud and J. A. Shuman | 222,545 | Dec. 9, 1879 | 494 | 139 | 16 | 1085 |
| Tire-tightener | J. A. Cooley | 220,345 | Oct. 7, 1879 | 150 | 40 | 16 | 655 |
| Tire-tightener | T. A. Frakes | 219,353 | Sept. 9, 1879 | 348 | 99 | 16 | 464 |
| Tire-tightener | W. P. Goolman | 213,412 | Mar. 18, 1879 | 746 | 210 | 15 | 410 |
| Tire tightener | E. Hippard and E. P. Ross | 221,679 | Nov. 18, 1879 | 628 | 176 | 16 | 917 |
| Tire-tightener | J. D. Russell | 214,957 | Apr. 29, 1879 | 1442 | 401 | 15 | 689 |
| Tire-tightening washer | D. R. Lucas | 213,765 | Apr. 1, 1879 | 36 | 12 | 15 | 477 |
| Tire-upsetting device | E. Depue | 222,469 | Dec. 9, 1879 | 412 | 117 | 16 | 1074 |
| Tire-upsetting machine | C. W. Edelblute | 220,589 | Oct. 14, 1879 | 446 | 115 | 16 | 702 |
| Tire-upsetting machine | W. Holdsworth | 221,066 | Oct. 28, 1879 | 1013 | 269 | 16 | 794 |
| Tire-upsetting machine | B. K. Taylor | 212,332 | Feb. 18, 1879 | 594 | 166 | 15 | 208 |
| Tires, Die for forging car-wheel | G. Hornby | 211,158 | Jan. 7, 1879 | 89 | 28 | 15 | 12 |
| Tires, Machine for measuring wheel | R. B. and J. R. Parks | 214,001 | Apr. 8, 1879 | 307 | 89 | 15 | 521 |
| Toaster and broiler | H. W. Seaman | 213,456 | Mar. 18, 1879 | 786 | 222 | 15 | 415 |
| Tobacco, Apparatus for steaming leaf | A. Robinson | 216,293 | June 10, 1879 | 325 | 96 | 15 | 933 |
| Tobacco, Apparatus for treating leaf | M. Rabenau | 214,952 | Apr. 29, 1879 | 1434 | 399 | 15 | 688 |
| Tobacco-bag | M. Lindheim | 213,580 | Mar. 25, 1879 | 930 | 264 | 15 | 441 |
| Tobacco-box | H. Arnold | 214,867 | Apr. 29, 1879 | 1353 | 376 | 15 | 677 |
| Tobacco-box clamp | W. P. Gilmer | 220,135 | Sept. 30, 1879 | 1250 | 344 | 16 | 611 |
| Tobacco, Chewing | C. G. Emery | 214,639 | Apr. 22, 1879 | 1084 | ..... | 15 | 635 |
| Tobacco-chopper | E. Hair | 222,039 | Nov. 25, 1879 | 1057 | 295 | 16 | 983 |
| Tobacco, Curing | A. P. Poladura | 212,399 | Feb. 18, 1879 | 670 | 187 | 15 | 218 |
| Tobacco, Curing leaf | J. W. Barnett | 211,210 | Jan. 7, 1879 | 143 | ..... | 15 | 20 |
| Tobacco-cutter | L. E. Heaton | 212,931 | Mar. 4, 1879 | 189 | 53 | 15 | 320 |
| Tobacco-cutter | E. B. McIntosh | 212,859 | Mar. 4, 1879 | 90 | 26, 27 | 15 | 310 |
| Tobacco cutter, Plug | T. C. Maris | 220,400 | Oct. 7, 1879 | 212 | 57 | 16 | 664 |
| Tobacco-cutting machine | L. Bauer and J. Seitz | 212,347 | Feb. 18, 1879 | 613 | 172 | 15 | 210 |
| Tobacco-dressing machine | C. R. Messinger | 213,229 | Mar. 11, 1879 | 542 | 150 | 15 | 374 |
| Tobacco-elevator | Z. F. Jones | 215,365 | May 13, 1879 | 449 | 135 | 15 | 763 |
| Tobacco-flavoring compound | D. Sternberg | 212,331 | Feb. 18, 1879 | 593 | 166 | 15 | 208 |
| Tobacco-hook | T. Wood, jr | 217,719 | July 22, 1879 | 911 | 260 | 16 | 150 |
| Tobacco, Implement for handling leaf | M. W. Sharer | 219,368 | Sept. 9, 1879 | 369 | 104 | 16 | 467 |
| Tobacco-leaves in drying, Separating | G. S. Myers | 219,647 | Sept. 16, 1879 | 684 | 189 | 16 | 516 |
| Tobacco, Machine for dressing and finishing fine-cut | T. R. Spence | 220,883 | Oct. 21, 1879 | 781 | 208 | 16 | 755 |
| Tobacco machine, Plug | G. S. Myers | 215,473 | May 20, 1879 | 588 | 173 | 15 | 791 |
| Tobacco-making machine, Plug | W. A. Ford | 216,265 | June 10, 1879 | 287 | 85 | 15 | 928 |
| Tobacco, Manufacture of | J. T. Harris | 212,310 | Feb. 18, 1879 | 565 | ..... | 15 | 204 |
| Tobacco, Manufacture of plug | P. J. Sorg | 222,090 | Nov. 25, 1879 | 1114 | 314 | 16 | 992 |
| Tobacco, Marking plug | P. H. Duke | 211,719 | Jan. 28, 1879 | 767 | 215 | 15 | 105 |
| Tobacco, Maturing and coloring leaf | A. Sparks | 211,641 | Jan. 28, 1879 | 680 | ..... | 15 | 93 |
| Tobacco, Medicated | N. M. Compton | 214,240 | Apr. 15, 1879 | 609 | ..... | 15 | 567 |
| Tobacco, Package of plug | L. J. Gordon | 211,394 | Jan. 14, 1879 | 378 | 108 | 15 | 49 |
| Tobacco-pipe | J. Riedel | 214,586 | Apr. 22, 1879 | 1028 | 290 | 15 | 628 |
| Tobacco-press | G. R. Payton | 220,654 | Oct. 14, 1879 | 512 | 135 | 16 | 711 |
| Tobacco-pressing apparatus | F. B. Deane | 212,446 | Feb. 18, 1879 | 735 | 202, 203 | 15 | 226 |
| Tobacco-pressing device | P. H. Mayo | 211,633 | Jan. 28, 1879 | 667 | 187, 188 | 15 | 92 |
| Tobacco-pressing machine | S. P. Hodgen | 211,329 | Jan. 14, 1879 | 306 | 91 | 15 | 40 |
| Tobacco, Process and apparatus for curing | J. H. Ogden | 221,854 | Nov. 18, 1879 | 839 | 234 | 16 | 344 |
| Tobacco rolling and cutting machine | L. and J. D. Smith | 213,702 | Mar. 25, 1879 | 1058 | 301 | 15 | 458 |
| Tobacco, Treating | R. Finzer | 222,989 | Dec. 30, 1879 | 1027 | ..... | 16 | 1192 |
| Tobacco, Treating | C. S. Philips | 222,530 | Dec. 9, 1879 | 475 | ..... | 16 | 1082 |
| Tobacco, Treating and curing | C. Hornbostel | 214,391 | Apr. 15, 1879 | 797 | ..... | 15 | 591 |
| Tobacco, Yoke for carrying | R. A. Corn | 211,460 | Jan. 21, 1879 | 456 | 129 | 15 | 61 |
| Toe-calks, Machine for forming | W. D. Young | 222,620 | Dec. 16, 1879 | 599 | 170, 171 | 16 | 1110 |
| Toggle-presses, Driving-gear for | F. W. and W. J. Crossley | 222,463 | Dec. 9, 1879 | 403 | 114 | 16 | 1073 |
| Toilet-case | J. S. White | 213,478 | Mar. 18, 1879 | 805 | 228 | 15 | 418 |
| Toilet-stand | J. Merlette, jr | 220,634 | Oct. 14, 1879 | 490 | 129 | 16 | 708 |
| Toilet, work-box, and writing-desk | J. Graves and A. W. Partrick | 211,656 | Jan. 28, 1879 | 697 | 195 | 15 | 96 |
| Tomb | W. J. McMinn and O. Filbey | 221,969 | Nov. 25, 1879 | 987 | 276 | 16 | 974 |
| Tomb or vault, Artificial-stone | W. M. Arnold | 223,090 | Dec. 30, 1879 | 1147 | 324 | 16 | 1208 |
| Tombstone from potters' clay | W. P. and W. D. Loyd | 216,427 | June 10, 1879 | 480 | 138 | 15 | 952 |
| Tongs | J. Kinzer | 211,855 | Feb. 4, 1879 | 41 | 13 | 15 | 131 |
| Tongs, Clothes | G. C. Davison | 221,535 | Nov. 11, 1879 | 469 | 128 | 16 | 885 |
| Tongs, Clothes | J. W. Thomas | 219,999 | Sept. 23, 1879 | 1077 | 299 | 16 | 580 |
| Tongs, Gaveling | F. M. Woods | 215,707 | May 20, 1879 | 844 | 246, 247 | 15 | 825 |
| Tongs, Hardening | B. Le Doyt | 220,681 | Oct. 14, 1879 | 540 | 143 | 16 | 715 |
| Tongs, Pipe | H. Banister | 216,014 | June 3, 1879 | 4 | 1 | 15 | 885 |
| Tongs, Pipe | H. Banister and C. H. Lovrien | 213,376 | Mar. 18, 1879 | 710 | 199 | 15 | 405 |
| Tongs, Pipe | L. Y. Cowl | 211,707 | Jan. 28, 1879 | 748 | 209 | 15 | 103 |
| Tongs, Pipe | J. D. Davis | 217,450 | July 15, 1879 | 599 | 171 | 16 | 100 |
| Tongs, Seaming | G. Peacock | 216,446 | June 10, 1879 | 506 | 143 | 15 | 956 |
| Tongs, Smith's | F. Eberhard | 211,464 | Jan. 21, 1879 | 459 | 130 | 15 | 62 |
| Tongs, Spring | H. E. Russell, jr | 223,066 | Dec. 30, 1879 | 1114 | 316 | 16 | 1204 |
| Tongs, Spring coal | C. M. Burgess | 221,152 | Nov. 4, 1879 | 16 | 4 | 16 | 814 |
| Tongs, Tubing | L. W. Young | 219,338 | Sept. 2, 1879 | 332 | 91 | 16 | 453 |
| Tongue for trail-wagons | C. Hotz | 214,143 | Apr. 8, 1879 | 488 | 138 | 15 | 542 |
| Tongue support, Vehicle | H. Garrett | 220,971 | Oct. 28, 1879 | 901 | 241 | 16 | 780 |
| Tongue support, Wagon | R. N. B. Kirkham | 220,537 | Oct. 14, 1879 | 377 | 98 | 16 | 694 |
| Tool, Bench | J. H. Lewis | 211,515 | Jan. 21, 1879 | 518 | 146 | 15 | 69 |
| Tool, Combination | G. W. Bennum and C. M. Powers | 217,195 | July 8, 1879 | 311 | 92 | 16 | 51 |
| Tool, Combination | C. W. Cannon | 217,583 | July 15, 1879 | 740 | 211 | 16 | 118 |
| Tool, Combination | B. N. Shelley | 219,313 | Sept. 2, 1879 | 294 | 83 | 16 | 449 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. | | Official Gazette. | |
|---|---|---|---|---|---|---|---|
| | | | | Spec. | Dr'g. | Vol. | Page. |
| Tool, Combination | M. H. Sly | 221,622 | Nov. 11, 1879 | 557 | 154 | 16 | 899 |
| Tool, Combined | M. M. Smith | 211,271 | Jan. 7, 1879 | 211 | 61 | 15 | 27 |
| Tool-handle | J. Barr | 211,544 | Jan. 21, 1879 | 546 | 155 | 15 | 73 |
| Tool-handle | H. S. Isham | 222,825 | Dec. 23, 1879 | 834 | 238 | 16 | 1154 |
| Tool-handle | R. E. Kidder | 223,146 | Dec. 30, 1879 | 1209 | 342 | 16 | 1217 |
| Tool-holder for dental tools, &c | H. D. Justi | 214,923 | Apr. 29, 1879 | 1410 | 391 | 15 | 685 |
| Top, Spinning | L. J. Carpenter | 214,023 | Apr. 8, 1879 | 335 | 96 | 15 | 524 |
| Top, Spinning | G. T. Jacobs | 217,876 | July 29, 1879 | 1093 | 314 | 16 | 181 |
| Top, Spinning | C. C. Johnson | 214,154 | Apr. 8, 1879 | 498 | 141 | 15 | 543 |
| Top, Spinning | W. H. Jones | 215,458 | May 20, 1879 | 571 | 167 | 15 | 789 |
| Torch, Fire-kindling | J. P. Welshans | 216,479 | June 10, 1879 | 535 | 153 | 15 | 960 |
| Torch, Gas | E. Coe | 220,058 | Sept. 30, 1879 | 1165 | 321 | 16 | 599 |
| Torch, Gas-lighting | J. Crannell | 215,329 | May 13, 1879 | 421 | 125 | 15 | 759 |
| Torpedo-boat | J. L. Lay | 211,301 | Jan. 14, 1879 | 264 | 77 | 15 | 34 |
| Torpedo-boat | J. L. Lay | 211,302 | Jan. 14, 1879 | 266 | 77, 78, 79 | 15 | 35 |
| Torpedo-boat | J. L. Lay | 211,303 | Jan. 14, 1879 | 270 | 80, 81 | 15 | 35 |
| Torpedo-boat valve | J. L. Lay | 217,120 | July 1, 1879 | 218 | 63 | 16 | 30 |
| Torpedo for oil-wells | J. Douglass | 211,385 | Jan. 14, 1879 | 370 | 106 | 15 | 48 |
| Torpedo, Grave | T. N. Howell | 217,379 | July 8, 1879 | 504 | 146 | 16 | 76 |
| Torpedo, Marine | H. F. Knapp | 217,011 | July 1, 1879 | 88 | 27 | 16 | 14 |
| Torpedo, Marine | J. H. McLean | 222,718 | Dec. 16, 1879 | 706 | 203 | 16 | 1126 |
| Torpedo, Oil-well | H. C. Huntington | 214,041 | Apr. 8, 1879 | 358 | 102 | 15 | 527 |
| Torpedo, Oil-well | S. L. King | 221,830 | Nov. 18, 1879 | 809 | 225 | 16 | 940 |
| Torpedo, Oil-well | A. P. Shearman | 219,880 | Sept. 23, 1879 | 946 | 262 | 16 | 561 |
| Torpedo, Projectile | M. Coloney | 222,669 | Dec. 16, 1879 | 660 | 189 | 16 | 1119 |
| Torpedo, Submarine | W. Giese | 219,711 | Sept. 16, 1879 | 753 | 208 | 16 | 526 |
| Torpedoes, Weight for exploding | E. E. Swett | 215,408 | May 13, 1879 | 495 | 147 | 15 | 769 |
| Toupee | N. Helmer | 215,518 | May 20, 1879 | 639 | 186 | 15 | 797 |
| Towing canal-boats | D. Stearns | 211,602 | Jan. 21, 1879 | 616 | 174 | 15 | 82 |
| Towing canal-boats | H. Stevenson | 213,076 | Mar. 11, 1879 | 367 | 103 | 15 | 352 |
| Toy | C. A. Bailey | 222,648 | Dec. 16, 1879 | 635 | 181 | 16 | 1115 |
| Toy | W. W. Barnes | 217,974 | July 29, 1879 | 1196 | 343 | 16 | 194 |
| Toy | W. W. Barnes | 217,975 | July 29, 1879 | 1197 | 343 | 16 | 195 |
| Toy | J. Baumgartner | 219,380 | Sept. 9, 1879 | 381 | 107 | 16 | 468 |
| Toy | C. Bopp | 221,441 | Nov. 11, 1879 | 353 | 97 | 16 | 870 |
| Toy | J. H. Bowen | 214,615 | Apr. 22, 1879 | 1060 | 297 | 15 | 632 |
| Toy | J. R. Hawes | 223,045 | Dec. 30, 1879 | 1089 | 310 | 16 | 1201 |
| Toy | E. L. Morris | 221,693 | Nov. 18, 1879 | 642 | 180 | 16 | 918 |
| Toy | G. Muller | 216,526 | June 17, 1879 | 599 | 169 | 15 | 977 |
| Toy | W. S. Reed | 219,520 | Sept. 9, 1879 | 529 | 147 | 16 | 488 |
| Toy | E. P. Roberts | 213,451 | Mar. 18, 1879 | 782 | 220 | 15 | 415 |
| Toy | C. Schwartz | 214,714 | Apr. 22, 1879 | 1165 | 328 | 15 | 645 |
| Toy | S. Seller | 214,010 | Apr. 8, 1879 | 318 | 91 | 15 | 522 |
| Toy, Ball | W. C. Farnum | 213,642 | Mar. 25, 1879 | 998 | 284 | 15 | 450 |
| Toy, Bell | J. Brunner | 212,537 | Feb. 25, 1879 | 863 | 238 | 15 | 252 |
| Toy, Bird | A. Weidmann | 219,045 | Aug. 26, 1879 | 1100 | 309 | 16 | 398 |
| Toy box | C. Henry | 211,095 | Jan. 7, 1879 | 18 | 6 | 15 | 3[illegible] |
| Toy building-block | R. C. Pruyn and C. M. Hyatt | 218,061 | July 29, 1879 | 1292 | 370 | 16 | 207 |
| Toy building-block | G. G. Shelton | 211,528 | Jan. 21, 1879 | 529 | 149 | 15 | 70 |
| Toy, Candy | R. H. Moses | 211,420 | Jan. 14, 1879 | 405 | 115 | 15 | 52 |
| Toy, Candy | R. H. Moses | 215,151 | May 6, 1879 | 199 | 57 | 15 | 726 |
| Toy, Candy | R. H. Moses | 216,628 | June 17, 1879 | 707 | 202 | 15 | 992 |
| Toy car and station | M. Bradley | 218,700 | Aug. 19, 1879 | 690 | 196, 197 | 16 | 334 |
| Toy dancer | W. Carlin | 222,571 | Dec. 16, 1879 | 539 | 153 | 16 | 1102 |
| Toy detonator | W. H. Reiff | 215,543 | May 20, 1879 | 664 | 193 | 15 | 801 |
| Toy dust-pan and brush | H. Richmond | 219,875 | Sept. 23, 1879 | 942 | 260 | 16 | 560 |
| Toy gun | D. F. Hale | 221,302 | Nov. 4, 1879 | 177 | 48 | 16 | 837 |
| Toy gun | S. C. Washburne | 222,216 | Dec. 2, 1879 | 114 | 28 | 16 | 1024 |
| Toy hand-car | F. R. Hadley | 213,749 | Apr. 1, 1879 | 21 | 7 | 15 | 475 |
| Toy hoop-propeller | C. Koehl | 217,118 | July 1, 1879 | 216 | 62 | 16 | 30 |
| Toy house | S. I. Russell | 220,429 | Oct. 7, 1879 | 241 | 65 | 16 | 668 |
| Toy knitting-machine | J. W. Newcomb | 222,937 | Dec. 23, 1879 | 962 | 276 | 16 | 1173 |
| Toy locomotive | C. C. Shepherd | 216,809 | June 24, 1879 | 925 | 264 | 15 | 1030 |
| Toy, Molding | J. A. Crandall | 211,837 | Feb. 4, 1879 | 10 | 3 | 15 | 128 |
| Toy money-box | C. A. Bailey | 221,998 | Nov. 25, 1879 | 1016 | 284 | 16 | 977 |
| Toy money-box | C. C. Johnson | 214,921 | Apr. 29, 1879 | 1408 | 391 | 15 | 684 |
| Toy money-box | L. Kyser | 222,058 | Nov. 25, 1879 | 1076 | 301 | 16 | 986 |
| Toy motor | H. Groth | 212,926 | Mar. 4, 1879 | 185 | 51 | 15 | 220 |
| Toy, Optical | D. Buckler | 216,721 | June 24, 1879 | 820 | 234 | 15 | 1017 |
| Toy pistol | A. Blewett | 218,699 | Aug. 19, 1879 | 690 | 196 | 16 | 333 |
| Toy pistol | J. Brison | 215,317 | May 13, 1879 | 409 | 121 | 15 | 757 |
| Toy pistol | J. M. Keep | 215,934 | May 27, 1879 | 1106 | 321 | 15 | 866 |
| Toy pistol | W. J. Shipman | 219,180 | Sept. 2, 1879 | 134 | 41 | 16 | 430 |
| Toy pistol | H. M. Weaver | 212,826 | Mar. 4, 1879 | 51 | 17 | 15 | 304 |
| Toy pistol | J. L. Williams | 218,415 | Aug. 12, 1879 | 354 | 98 | 16 | 279 |
| Toy railway | C. C. Shepherd | 212,630 | Feb. 25, 1879 | 964 | 267 | 15 | 265 |
| Toy return-ball | T. Adams | 216,124 | June 3, 1879 | 124 | 36 | 15 | 900 |
| Toy wagon | W. S. Reed | 215,677 | May 20, 1879 | 812 | 238 | 15 | 821 |
| Toy whirl | A. Kiesele | 216,864 | June 24, 1879 | 988 | 280 | 15 | 1038 |
| Toy wind-wheel | J. L. M. Du Four | 214,895 | Apr. 29, 1879 | 1381 | 384 | 15 | 681 |
| Toys, Differential gearing for | A. S. Pennington | 214,839 | Apr. 29, 1879 | 1322 | 369 | 15 | 673 |
| Trace-carrier | E. A. Cooper | 214,280 | Apr. 15, 1879 | 660 | 184 | 15 | 573 |
| Trace-carrier | A. F. Hill | 222,046 | Nov. 25, 1879 | 1065 | 297 | 16 | 984 |
| Trace-carrier | J. D. Hobbs | 220,837 | Oct. 21, 1879 | 732 | 195 | 16 | 748 |
| Trace-carrier | G. M. Hubbard | 220,761 | Oct. 21, 1879 | 644 | 171 | 16 | 737 |
| Trace-carrier | C. H. Smith | 211,204 | Apr. 8, 1879 | 550 | 156 | 15 | 550 |
| Trace fastener and protector | T. J. Christy | 212,660 | Feb. 25, 1879 | 992 | 275 | 15 | 269 |
| Trace or tug | D. R. Porter | 216,217 | June 3, 1879 | 218 | 65 | 15 | 912 |
| Trace-supporter | C. A. Brooks | 218,703 | Aug. 19, 1879 | 695 | 197 | 16 | 334 |
| Track-cleaner | G. Buck | 214,990 | May 6, 1879 | 10 | 4 | 15 | 704 |
| Track-clearer | J. Matthews | 211,475 | Jan. 21, 1879 | 469 | 133 | 15 | 63 |
| Track-clearer | M. P. Turner | 220,263 | Oct. 7, 1879 | 59 | 15 | 16 | 642 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr's. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Track clearer and protector | C. Mahon | 220, 682 | Sept. 30, 1879 | 1192 | 328 | 16 | 603 |
| Track-clearer, Steam | A. Kindermann and C. Reiblein | 216, 418 | June 10, 1879 | 471 | 135 | 15 | 954 |
| Traction-engine | C. G. Cooper | 218, 714 | Aug. 19, 1879 | 706 | 201 | 16 | 335 |
| Traction-engine | J. Cooper | 212, 358 | Feb. 18, 1879 | 623 | 175 | 15 | 212 |
| Traction-engine | F. L. Fairchild | 217, 787 | July 22, 1879 | 981 | 280, 281 | 16 | 160 |
| Traction-engine | M. M. McGregor and J. C. Croxton. | 220, 631 | Oct. 14, 1879 | 487 | 128 | 16 | 708 |
| Traction-engine | C. M. Miller | 221, 900 | Nov. 18, 1879 | 885 | 249 | 16 | 951 |
| Traction-engine | J. E. Praul | 221, 354 | Nov. 4, 1879 | 242 | 66 | 16 | 846 |
| Traction-engine and steam-plow | B. S. Benson | 217, 506 | July 15, 1879 | 654 | 186, 187 | 16 | 107 |
| Traction-engine wheel | J. Kirchhoffer | 212, 235 | Feb. 11, 1879 | 475 | 131 | 15 | 189 |
| Traction mechanism for propelling machinery | G. E. Burt | 218, 111 | Aug. 5, 1879 | 6 | 2, 3 | 16 | 221 |
| Train-indicator | H. C. Keyes and J. L. Smith | 216, 862 | June 24, 1879 | 986 | 280 | 15 | 1037 |
| Tramp safe-guard | C. A. H. Bright | 213, 969 | Apr. 8, 1879 | 273 | 79 | 15 | 516 |
| Tramway | C. A. Edge | 218, 432 | Aug. 12, 1879 | 376 | 103, 104 | 16 | 282 |
| Tramway-rail fastening | H. T. McNeale | 218, 550 | Aug. 12, 1879 | 517 | 145 | 16 | 301 |
| Tramway, Wagon | W. Bradford | 221, 025 | Oct. 28, 1879 | 967 | 257 | 16 | 788 |
| Tramways, Permanent way for | S. Nicholls | 218, 559 | Aug. 12, 1879 | 525 | 147, 148 | 16 | 302 |
| Transportation-box for fruit, &c | C. B. Sigwald | 216, 535 | June 17, 1879 | 606 | 172 | 15 | 978 |
| Transportation, Inland | J. A. Collins | 214, 886 | Apr. 20, 1879 | 1371 | 381 | 15 | 680 |
| Trap: | | | | | | | |
| *See* Animal-trap. Ball-trap. Bird-trap. Fish-trap. Hog-trap. Insect-trap. Metal trap. Plumber's trap. Roach-trap. Sewer-trap. Sewer-gas trap. Sink-trap. Steam-trap. Stench-trap. Waste-pipe trap. | | | | | | | |
| Trap for wash-basins | O. B. Evans | 220, 064 | Sept. 30, 1879 | 1173 | 323 | 16 | 600 |
| Trap for waste-pipes from wash-basins, &c | H. W. Atwater | 214, 985 | May 6, 1879 | 5 | 2 | 15 | 703 |
| Trap-valve | R. G. Miller | 216, 801 | June 24, 1879 | 918 | 261 | 15 | 1029 |
| Traveling-bag fastener | J. B. Brooks | 223, 110 | Dec. 30, 1879 | 1169 | 329 | 16 | 1211 |
| Traveling-bag, &c., frame | J. B. Shepler and F. H. Hosmer | 222, 799 | Dec. 23, 1879 | 803 | 231 | 16 | 1159 |
| Treadle | J. P. Council | 212, 662 | Feb. 25, 1879 | 993 | 276 | 15 | 260 |
| Treadle | E. T. Thomas | 220, 890 | Oct. 21, 1879 | 788 | 210 | 16 | 756 |
| Treadle and hand-lever, Combined | H. R. Saunders | 218, 779 | Aug. 19, 1879 | 778 | 221 | 16 | 345 |
| Treadle-power mechanism | J. Milliron, jr | 221, 846 | Nov. 18, 1879 | 826 | 230 | 16 | 943 |
| Tree: | | | | | | | |
| *See* Glove-tree. Saddle-tree. | | | | | | | |
| Tree-fender | T. W. Barnhill and T. B. Payne | 223, 093 | Dec. 30, 1879 | 1151 | 324 | 16 | 1208 |
| Tree-protector | A. Loring | 220, 481 | Oct. 14, 1879 | 312 | 83 | 16 | 686 |
| Tree-protector | S. and W. Scott | 219, 987 | Sept. 23, 1879 | 1063 | 295 | 16 | 578 |
| Trees, Compress for | E. A. Quinby | 213, 591 | Mar. 25, 1879 | 942 | 268 | 15 | 443 |
| Trees for winter protection, Machine for preparing the tops of. | S. H., N. F., and L. Murray | 221, 972 | Nov. 25, 1879 | 990 | 277 | 16 | 974 |
| Trees, roots, &c., Compound for destroying | W. T. Buchanan | 220, 799 | Oct. 21, 1879 | 695 | ..... | 16 | 743 |
| Treenail for ships, &c | T. W. Kirby | 216, 682 | June 17, 1879 | 764 | 218 | 15 | 1000 |
| Trellis, Flower | G. E. Jenks | 212, 604 | Feb. 25, 1879 | 638 | 260 | 15 | 262 |
| Trimmer: | | | | | | | |
| *See* Hedge-trimmer. Sewing-machine trimmer. Sod-trimmer. Wick-trimmer. | | | | | | | |
| Trimming | G. G. Bates | 214, 609 | Apr. 22, 1879 | 1055 | 296 | 15 | 631 |
| Trimming | E. Brosemann | 213, 970 | Apr. 8, 1879 | 274 | 79 | 15 | 516 |
| Trimming | G. Simon | 218, 786 | Aug. 19, 1879 | 785 | 223 | 16 | 346 |
| Trimmings, Machine for making dress | H. C. Kersten and A. Schaupp | 221, 465 | Nov. 11, 1879 | 383 | 105 | 16 | 873 |
| Trimmings, Machine for making fluted | O. W. Uhlig | 220, 447 | Oct. 7, 1879 | 259 | 70 | 16 | 671 |
| Trolling-hook | A. Wakaman | 218, 345 | Aug. 5, 1879 | 263 | 71 | 16 | 255 |
| Trough: | | | | | | | |
| *See* Eave-trough. Water-trough. | | | | | | | |
| Trough-filler | W. J. Lankford | 215, 638 | May 20, 1879 | 774 | 227 | 15 | 816 |
| Truck | E. J. Lyburn | 222, 412 | Dec. 9, 1879 | 332 | 94 | 16 | 1065 |
| Truck | J. Luther | 219, 867 | Sept. 23, 1879 | 932 | 257 | 16 | 559 |
| Truck, Adjustable stove | W. H. Tucker, R. S. Dorsey, and L. W. Frederick. | 223, 017 | Dec. 30, 1879 | 1060 | 303 | 16 | 1197 |
| Truck and bag-holder, Combined | B. Wilt | 220, 105 | Sept. 30, 1879 | 1219 | 336 | 16 | 607 |
| Truck attachment, Hand | J. L. Johnson | 219, 402 | Sept. 9, 1879 | 408 | 113 | 16 | 472 |
| Truck, Barrel | E. D. Andrews | 211, 080 | Jan. 7, 1879 | 2 | 1 | 15 | 1 |
| Truck, Car | J. M. Foss | 217, 934 | July 29, 1879 | 1157 | 331 | 16 | 189 |
| Truck, Car | G. Hambruch | 216, 792 | June 24, 1879 | 906 | 258, 259 | 15 | 1028 |
| Truck, Car | C. H. Kellogg and J. W. Seaver | 218, 126 | Aug. 5, 1879 | 21 | 6 | 16 | 223 |
| Truck, Car | E. J. Marsters | 220, 928 | Oct. 28, 1879 | 845 | 227 | 16 | 773 |
| Truck, Car | W. E. Peyton | 219, 512 | Sept. 9, 1879 | 520 | 145 | 16 | 487 |
| Truck, Car | P. Praechter | 214, 700 | Apr. 22, 1879 | 1145 | 323 | 15 | 643 |
| Truck, Car | F. W. Schroeder | 213, 840 | Apr. 1, 1879 | 118 | 36 | 15 | 488 |
| Truck, Car | W. W. Snow | 214, 059 | Apr. 8, 1879 | 382 | 107, 108 | 15 | 529 |
| Truck, Car | G. Vincent | 212, 770 | Feb. 25, 1879 | 1108 | 308 | 15 | 285 |
| Truck, Car | G. Vincent | 212, 771 | Feb. 25, 1879 | 1109 | 308 | 15 | 285 |
| Truck, Car | F. O. Wyatt and E. Smedley | 223, 207 | Dec. 30, 1879 | 1272 | 360 | 16 | 1226 |
| Truck, Car | W. W. Worswick | 219, 664 | Sept. 16, 1879 | 704 | 195 | 16 | 518 |
| Truck, Car | H. S. Zink | 215, 499 | May 20, 1879 | 617 | 181 | 15 | 794 |
| Truck-covers, Device for supporting | J. G. A. Walker | 213, 016 | Mar. 4, 1879 | 286 | 80 | 15 | 333 |
| Truck for loading locomotive-tenders | M. A. Gees | 220, 353 | Oct. 7, 1879 | 158 | 42 | 16 | 656 |
| Truck for moving houses | B. Sperry | 218, 588 | Aug. 12, 1879 | 554 | 156 | 16 | 306 |
| Truck for moving oil-cloths, &c | B. K. Parker | 218, 563 | Aug. 12, 1879 | 529 | 149 | 16 | 303 |
| Truck for street-railways, Car | D. K. Cartter | 211, 220 | Jan. 7, 1879 | 154 | 46, 47 | 15 | 21 |
| Truck frame, Car | M. Kennedy | 214, 508 | Apr. 22, 1879 | 942 | 266 | 15 | 617 |
| Truck frame, Car | W. W. Snow | 214, 060 | Apr. 8, 1879 | 383 | 158 | 15 | 529 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Truck-frames, Manufacture of cross-bar end pieces of. | J. T. Wilson | 219,335 | Sept. 2, 1879 | 319 | 90 | 16 | 452 |
| Truck, Hay | G. H. Smith | 215,175 | May 6, 1879 | 219 | 64 | 17 | 730 |
| Truck, Hand | W. B. Allen | 217,971 | July 29, 1879 | 1192 | 342 | 16 | 194 |
| Truck, Hand | J. Allen | 221,713 | Nov. 18, 1879 | 667 | 186 | 16 | 922 |
| Truck, Hand | T. Hill | 214,133 | Apr. 8, 1879 | 478 | 136 | 15 | 540 |
| Truck, Hand | M. Johnson | 212,605 | Feb. 25, 1879 | 639 | 260 | 15 | 262 |
| Truck, Hand | G. M. Titus | 216,770 | June 24, 1879 | 880 | 250 | 15 | 1024 |
| Truck, Mining-car | W. McCaskill and A. J. Meinhard. | 211,758 | Jan. 28, 1879 | 809 | 227 | 15 | 111 |
| Truck, Plow and farm | B. Franklin | 212,919 | Mar. 4, 1879 | 177 | 48 | 15 | 319 |
| Truck, Stove | J. Ash | 211,828 | Feb. 4, 1879 | 1 | 1 | 15 | 127 |
| Trucks, Spring-equalizer for car | J. J. Thomas | 218,796 | Aug. 19, 1879 | 793 | 226 | 16 | 348 |
| Trumpet for railway-heads | P. C. Dawson | 221,159 | Nov. 4, 1879 | 23 | 6 | 16 | 815 |
| Trumpet, Steam | T. Shaw | 212,157 | Feb. 11, 1879 | 388 | 106 | 15 | 178 |
| Trundle-hoop, Bell | F. Coghill | 214,627 | Apr. 22, 1879 | 1072 | 301 | 15 | 634 |
| Trunk | T. Glanding | 220,020 | Sept. 30, 1879 | 1109 | 307 | 16 | 592 |
| Trunk | C. Günsel | 217,613 | July 15, 1879 | 774 | 220 | 16 | 123 |
| Trunk | A. J. Walrath | 213,308 | Mar. 18, 1879 | 642 | 181 | 15 | 396 |
| Trunk and wardrobe, Combined | C. Bickel | 218,219 | Aug. 5, 1879 | 127 | 35 | 16 | 237 |
| Trunk belt or catch | O. D. Hunter | 215,125 | May 6, 1879 | 171 | 49 | 15 | 723 |
| Trunk-catch | C. H. Nye | 213,927 | Apr. 1, 1879 | 209 | 61 | 15 | 500 |
| Trunk-catch | C. H. Nye | 221,092 | Oct. 28, 1879 | 1041 | 276 | 16 | 798 |
| Trunk corner-iron and hinge, Combined | M. Maier | 214,932 | Apr. 29, 1879 | 1417 | 393 | 15 | 686 |
| Trunk corner-iron and lock | M. Maier | 214,933 | Apr. 29, 1879 | 1418 | 394 | 15 | 686 |
| Trunk, Electro-magnetic burglar-alarm | A. W. Hall | 215,120 | May 6, 1879 | 164 | 47 | 15 | 722 |
| Trunk-fastener | W. B. Coulter | 222,577 | Dec. 16, 1879 | 543 | 154 | 16 | 1102 |
| Trunk-lock | G. V. Luce | 222,359 | Dec. 9, 1879 | 278 | 77 | 16 | 1057 |
| Trunk-lock | E. A. G. Roulstone | 218,139 | Aug. 5, 1879 | 39 | 11 | 16 | 226 |
| Trunk-lock guard | J. W. C. Haskell | 214,252 | Apr. 15, 1879 | 625 | 176 | 15 | 569 |
| Truss | J. R. Alexander | 212,344 | Feb. 18, 1879 | 609 | 171 | 15 | 210 |
| Truss | G. W. Ellis | 222,579 | Dec. 16, 1879 | 547 | 155 | 16 | 1103 |
| Truss | G. Gleim | 221,960 | Nov. 25, 1879 | 978 | 274 | 16 | 973 |
| Truss | J. M. Grube | 218,961 | Aug. 26, 1879 | 1008 | 284 | 16 | 387 |
| Truss | J. L. Rowe | 223,009 | Dec. 30, 1879 | 1050 | 301 | 16 | 1196 |
| Truss | J. L. Rowe | 223,010 | Dec. 30, 1879 | 1051 | 301 | 16 | 1196 |
| Truss | L. B. Stuart | 214,469 | Apr. 15, 1879 | 873 | 246 | 15 | 601 |
| Truss | F. Wilkins and A. A. McLean | 213,271 | Mar. 11, 1879 | 585 | 163 | 15 | 380 |
| Truss and abdominal support | C. J. Wolff | 211,611 | Jan. 21, 1879 | 624 | 176 | 21 | 83 |
| Truss-hoop | J. W. Maltby | 214,675 | Apr. 22, 1879 | 1123 | 315 | 15 | 640 |
| Tub: | | | | | | | |
| *See* Bath-tub. Mash-tub. | | | | | | | |
| Butter-tub. Washing and bath tub. | | | | | | | |
| Tube: | | | | | | | |
| *See* Cop-tube. Steam-boiler tube. | | | | | | | |
| Dredging-tube. Wick-tube. | | | | | | | |
| Tube-bending machine | J. M. Evarts | 223,037 | Dec. 30, 1879 | 1078 | 308 | 16 | 1200 |
| Tube-clamp | H. Spindler | 219,777 | Sept. 16, 1879 | 819 | 227 | 16 | 535 |
| Tube-cleaner | J. S. Smith | 217,164 | July 1, 1879 | 263 | 78 | 16 | 36 |
| Tube cleaner, Boiler | C. H. Kelsey | 217,384 | July 8, 1879 | 509 | 148 | 16 | 77 |
| Tube cleaner, Boiler | D. Sullivan | 217,911 | July 29, 1879 | 1132 | 324 | 16 | 186 |
| Tube-cutter | T. Mamer and F. J. Wallerius | 213,293 | Mar. 18, 1879 | 627 | 176 | 15 | 393 |
| Tube-cutter or trimmer | S. L. Davis | 217,347 | July 8, 1879 | 473 | 138 | 16 | 72 |
| Tube-expander | D. Bushor | 213,321 | Mar. 18, 1879 | 654 | 185 | 15 | 397 |
| Tube expander and beader | O. Pagan | 220,651 | Oct. 14, 1879 | 510 | 134 | 16 | 711 |
| Tube-thread protector | J. M. Loper | 222,920 | Dec. 23, 1879 | 943 | 271 | 16 | 1171 |
| Tube-welding machine | T. H. Roberts | 211,589 | Jan. 21, 1879 | 604 | 170 | 15 | 80 |
| Tubes, Die for welding and reducing | M. L. Ritchie | 221,101 | Oct. 28, 1879 | 1051 | 278 | 16 | 799 |
| Tubing, Joint for sheet-metal | E. J. Van Sickle | 214,327 | Apr. 15, 1879 | 722 | 203 | 15 | 581 |
| Tubing upon shafts or spindles, Machine for placing elastic. | R. B. Ewing | 216,263 | June 10, 1879 | 285 | 84 | 15 | 928 |
| Tubing, Water | W. F. Moulton | 222,935 | Dec. 23, 1879 | 960 | 275 | 16 | 1173 |
| Tubular boiler | P. S. Forbes | 216,667 | June 17, 1879 | 745 | 213 | 15 | 997 |
| Tubular boiler | G. T. Snyder | 212,062 | Feb. 4, 1879 | 278 | 76 | 15 | 160 |
| Tubular boiler, Upright | C. Hart | 216,953 | July 1, 1879 | 29 | 9 | 16 | 6 |
| Tug and trace, Hame | W. H. Hayes | 215,355 | May 13, 1879 | 442 | 132 | 15 | 762 |
| Tug-coupling | P. B. Hirsch | 216,410 | June 10, 1879 | 460 | 131 | 15 | 950 |
| Tug, Hame | W. H. Bustin | 214,756 | Apr. 29, 1879 | 1224 | 343 | 15 | 661 |
| Tug, Hame | E. R. Cahoone and N. Teas | 211,650 | Jan. 28, 1879 | 688 | 193 | 15 | 94 |
| Tug, Hame | J. B. Woolsey | 218,104 | July 29, 1879 | 1342 | 384 | 16 | 213 |
| Tug, Harness | G. R. Suingley | 218,330 | Aug. 5, 1879 | 246 | 67 | 16 | 254 |
| Tug-link | H. J. Moreland | 217,020 | July 1, 1879 | 100 | 29 | 16 | 16 |
| Tug-link | H. J. Moreland | 221,181 | Nov. 4, 1879 | 48 | 13 | 16 | 819 |
| Tug-link, Spring | J. B. Lauffer | 218,888 | Aug. 26, 1879 | 937 | 263 | 16 | 377 |
| Tug-link, Spring | J. F. Miller | 214,784 | Apr. 29, 1879 | 1258 | 352 | 15 | 664 |
| Tug-loop, Hame | M. S. Bettice | 215,558 | May 20, 1879 | 684 | 201 | 15 | 804 |
| Tug-loop, Hame | M. S. Bettice | 217,321 | July 8, 1879 | 440 | 129 | 16 | 68 |
| Tug-loop, Hame | J. M. Johnson | 216,618 | June 17, 1879 | 698 | 199 | 15 | 991 |
| Tug or loop, Thill | J. A. Lazelle | 216,619 | June 17, 1879 | 699 | 199 | 15 | 991 |
| Tugs or traces, Spring-link for draft | W. M. Cuthbert | 212,840 | Mar. 4, 1879 | 68 | 20 | 15 | 306 |
| Tumbler-washer | F. Lautenbach | 221,077 | Oct. 28, 1879 | 1023 | 271 | 16 | 795 |
| Tumbler and other glass articles, Making | J. Zihlmann | 214,863 | Apr. 29, 1879 | 1349 | 375 | 15 | 677 |
| Tumbling-rod knuckle | C. Q. Hayes | 215,922 | May 27, 1879 | 1092 | 317 | 15 | 864 |
| Tunneling apparatus, Pneumatic | L. Taskin | 218,597 | Aug. 12, 1879 | 564 | 159 | 16 | 308 |
| Tunnels, conduits, &c., Building subaqueous | H. A. Carson | 221,665 | Nov. 18, 1879 | 610 | 171 | 16 | 914 |
| Turbine wheel | D. Hubbard | 220,840 | Oct. 21, 1879 | 736 | 195 | 16 | 748 |
| Turbine wheels, Flume for | W. M. Mills | 215,278 | May 13, 1879 | 361 | 104 | 15 | 751 |
| Turn-table | C. P. Durel | 219,152 | Sept. 2, 1879 | 105 | 31 | 16 | 426 |
| Turnstile-register | B. F. Card | 218,857 | Aug. 26, 1879 | 899 | 251 | 16 | 371 |
| Turnstile-register | F. O. Deschamps | 212,906 | Mar. 4, 1879 | 155 | 43 | 15 | 316 |
| Turnstile-register | F. O. Deschamps | 215,104 | May 6, 1879 | 134 | 40 | 15 | 719 |
| Turnstile-register, Electro-magnetic | R. P. Reilly and W. P. Speller | 211,257 | Jan. 7, 1879 | 193 | 56, 57 | 15 | 25 |
| Tuyere | J. F. Hause | 222,011 | Nov. 25, 1879 | 1059 | 296 | 16 | 983 |
| Tuyere | T. McCaffery | 220,766 | Oct. 21, 1879 | 650 | 173 | 16 | 738 |
| Tuyere | G. M. Smith | 212,994 | Mar. 4, 1879 | 260 | 72 | 15 | 330 |

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|---|---|---|---|---|---|---|---|
| Tweezers | W. A. Wales | 216, 918 | June 24, 1879 | 1048 | 297 | 15 | 1045 |
| Tweezers and finger-nail cutter, Combined | A. W. Gifford | 219, 633 | Sept. 16, 1879 | 665 | 185 | 16 | 514 |
| Twine-holder | G. H. Stedman | 213, 075 | Mar. 11, 1879 | 366 | 103 | 15 | 352 |
| Twist-drills, Machine for making | C. F. Jacobson | 212, 802 | Mar. 4, 1879 | 26 | 9 | 15 | 300 |
| Twisting and spinning frames, Stop-motion for | J. H. Knowles | 218, 279 | Aug. 5, 1879 | 193 | 52 | 16 | 246 |
| Twisting and untwisting fiber, &c., Machine for | A. T. Sherwood | 214, 591 | Apr. 22, 1879 | 1035 | 291 | 15 | 628 |
| Twisting-machines, Stop-motion device for | F. Fearon | 220, 363 | Oct. 7, 1879 | 169 | 44, 45 | 16 | 657 |
| Type-case | H. H. Thorp | 213, 595 | Mar. 25, 1879 | 944 | 269 | 15 | 443 |
| Type, Cleaning | J. J. Schock | 211, 865 | Feb. 4, 1879 | 50 | 16 | 15 | 132 |
| Type, Curve-bodied printing | R. Smith | 220, 999 | Oct. 28, 1879 | 939 | 250 | 16 | 784 |
| Type-distributing machine | A. C. Richards | 212, 503 | Feb. 18, 1879 | 798 | 221, 222, 223 | 15 | 235 |
| Type, Fountain | S. J. Hoggson | 219, 861 | Sept. 23, 1879 | 925 | 257 | 16 | 559 |
| Type-matrice | T. W. Smith | 220, 039 | Sept. 30, 1879 | 1137 | 314 | 16 | 595 |
| Type, Printing | P. Gfroerer | 217, 607 | July 15, 1879 | 769 | 218 | 16 | 122 |
| Type-setting machine | J. North | 221, 853 | Nov. 18, 1879 | 833 | 233, 234 | 16 | 944 |
| Type-setting machine | A. C. Richards | 212, 504 | Feb. 18, 1879 | 807 | 223, 224, 225 | 15 | 236 |
| Type, Wooden printing | G. F. White | 219, 887 | Sept. 23, 1879 | 954 | 263 | 16 | 562 |
| Type-writing machine | M. M. Barthelomew | 215, 554 | May 20, 1879 | 678 | 198 | 15 | 803 |
| Type-writing machine | C. T. Brown | 217, 444 | July 15, 1879 | 592 | 169, 170 | 16 | 99 |
| Type-writing machine | P. Deming | 215, 048 | May 6, 1879 | 72 | 22 | 15 | 712 |
| Type-writing machine | C. L. Driesslein | 220, 356 | Oct. 7, 1879 | 162 | 43 | 16 | 657 |
| Type-writing machine | H. M. Grant | 217, 210 | July 8, 1879 | 327 | 96, 97, 98 | 16 | 53 |
| Type-writing machine | A. Michela | 212, 724 | Feb. 25, 1879 | 1056 | 293 | 15 | 278 |
| Type-writing machine | F. Sholes and W. F. Miller | 216, 232 | June 3, 1879 | 230 | 68, 69 | 15 | 914 |
| Type-writing machine | W. H. Slocum | 215, 251 | May 13, 1879 | 322 | 95 | 15 | 746 |
| Type-writing machine | C. T. Ward | 218, 148 | Aug. 5, 1879 | 48 | 13, 14 | 16 | 227 |
| Type-writing machine | F. F. Warner | 215, 082 | May 6, 1879 | 109 | 33 | 15 | 716 |
| **U.** | | | | | | | |
| Umbrella | E. J. Forbes | 220, 276 | Oct. 7, 1879 | 73 | 20 | 16 | 645 |
| Umbrella | L. Girbardt | 212, 457 | Feb. 18, 1879 | 749 | 206 | 15 | 229 |
| Umbrella | W. B. Greene | 216, 566 | June 17, 1879 | 640 | 182 | 15 | 983 |
| Umbrella | F. Hodges and G. A. Healey | 217, 108 | July 1, 1879 | 205 | 59 | 16 | 28 |
| Umbrella | Z. Walsh | 216, 490 | June 10, 1879 | 545 | 156 | 15 | 962 |
| Umbrella crown-piece | C. A. Howard | 213, 286 | Mar. 18, 1879 | 621 | 175 | 15 | 393 |
| Umbrella drip-cup | W. H. Ellis | 218, 508 | Aug. 12, 1879 | 467 | 130 | 16 | 294 |
| Umbrella drip-cup | D. M. Hurlburt and C. R. Slocum | 214, 917 | Apr. 29, 1879 | 1405 | 390 | 15 | 684 |
| Umbrella-frame | W. Hoyland | 217, 533 | July 15, 1879 | 684 | 194, 195 | 16 | 111 |
| Umbrella-frame | J. Minière | 215, 830 | May 27, 1879 | 990 | 289 | 15 | 852 |
| Umbrella-frame | J. Minière | 222, 071 | Nov. 25, 1879 | 1093 | 307 | 16 | 989 |
| Umbrella-handles, Ribbon-retainer for | J. Wright | 213, 022 | Mar. 4, 1879 | 294 | 83 | 15 | 334 |
| Umbrella-holder for vehicles | W. M. Demarest | 222, 875 | Dec. 23, 1879 | 892 | 257 | 16 | 1163 |
| Umbrella notch-ring | O. M. Smith | 212, 997 | Mar. 4, 1879 | 263 | 73 | 15 | 331 |
| Umbrella-runner | W. H. Belknap | 212, 428 | Feb. 18, 1879 | 710 | 196 | 15 | 223 |
| Umbrella-runner | T. Widdowson | 211, 361 | Jan. 14, 1879 | 342 | 100 | 15 | 44 |
| Umbrella-runner lock | P. Molloy | 211, 767 | Jan. 28, 1879 | 817 | 230 | 15 | 112 |
| Umbrella-runners, Spring-retainer for | W. A. Drown, jr | 218, 243 | Aug. 5, 1879 | 158 | 43 | 16 | 242 |
| Umbrella tip-cup | G. W. McClintock | 222, 193 | Dec. 2, 1879 | 88 | 22 | 16 | 1020 |
| Umbrella tip-cup | M. Steib | 221, 122 | Oct. 28, 1879 | 1066 | 282 | 16 | 801 |
| Undershoe or slipper | G. Gardner | 212, 370 | Feb. 18, 1879 | 637 | 179 | 15 | 213 |
| Unhairing and scouring machine | J. W. McDonald | 220, 930 | Oct. 28, 1879 | 847 | 227 | 16 | 773 |
| Unhairing-machine | W. Gerber | 221, 545 | Nov. 11, 1879 | 479 | 130 | 16 | 887 |
| Universal joint | C. D. Goubet | 213, 505 | Mar. 25, 1879 | 844 | 239, 240 | 15 | 431 |
| Universal-joint coupling | J. Walker | 221, 375 | Nov. 4, 1879 | 263 | 71 | 16 | 849 |
| Upholstering-tuft | R. H. Bryant | 213, 277 | Mar. 18, 1879 | 608 | 171 | 15 | 391 |
| Upholstery, Stuffing for | W. Phillips | 213, 446 | Mar. 18, 1879 | 777 | 219 | 15 | 414 |
| Urn, Coffee | J. A. Chase and P. W. Arnold | 219, 908 | Sept. 23, 1879 | 977 | 271 | 16 | 566 |
| Urn, Coffee | E. H. Hawley | 222, 402 | Dec. 9, 1879 | 322 | 91 | 16 | 1063 |
| Urn for hot water, tea, &c., Revolving | J. Meinen | 217, 133 | July 1, 1879 | 230 | 66 | 16 | 32 |
| Urinal-shield | F. Adee | 211, 078 | Jan. 7, 1879 | 1 | 1 | 15 | 1 |
| Uterine supporter, Galvanic | O. E. Herrick | 222, 399 | Dec. 9, 1879 | 319 | 90 | 16 | 1063 |
| **V.** | | | | | | | |
| Vacuum-brake | F. W. Eames | 215, 592 | May 20, 1879 | 725 | 211, 212 | 15 | 809 |
| Vacuum-brake-pipe coupling | T. W. Welsh | 221, 987 | Nov. 25, 1879 | 1005 | 281 | 16 | 976 |
| Vacuum-brakes, Noise-muffler for | F. W. and E. D. Eames | 215, 593 | May 20, 1879 | 726 | 212 | 15 | 809 |
| Vacuum-engine | B. Goldmann | 221, 961 | Nov. 25, 1879 | 979 | 274 | 16 | 973 |
| Vacuum-engine, Rotary | L. B. Lawrence | 211, 750 | Jan. 28, 1879 | 802 | 225 | 15 | 110 |
| Valve: *See* Bellows-valve. Gas-check valve. Hydrant-valve. Pump-valve. Sink-valve. Tap-valve. Torpedo-boat valve. Trap-valve. Water-closet valve. | | | | | | | |
| Valve | L. Brandeis | 216, 720 | June 24, 1879 | 820 | 234 | 15 | 1017 |
| Valve | J. Enright | 214, 286 | Apr. 15, 1879 | 666 | 186 | 15 | 574 |
| Valve | J. W. Gear | 211, 727 | Jan. 28, 1879 | 776 | 217 | 15 | 106 |
| Valve | F. Grinnell | 218, 523 | Aug. 12, 1879 | 486 | 136 | 16 | 297 |
| Valve | M. Morton | 215, 653 | May 20, 1879 | 790 | 231 | 15 | 818 |
| Valve | R. W. Peck | 222, 727 | Dec. 16, 1879 | 715 | 205 | 16 | 1127 |
| Valve | T. Pitt | 216, 104 | June 3, 1879 | 101 | 30 | 15 | 897 |
| Valve | G. F. Pottle | 215, 478 | May 20, 1879 | 595 | 175 | 15 | 792 |

*Alphabetical list of inventions*—Continued.

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| Valve | C. C. Walworth | 212,875 | Mar. 4,1879 | 110 | 33 | 15 | 312 |
| Valve, Air | I. M. Scott | 214,321 | Apr. 15,1879 | 716 | 200 | 15 | 580 |
| Valve and seat, Rotary | E. L. Watkins | 218,348 | Aug. 5,1879 | 265 | 72 | 16 | 255 |
| Valve attachment, Safety | H. G. Ashton | 214,981 | May 6,1879 | 2 | 1 | 15 | 703 |
| Valve, Balance | M. F. Margach | 218,040 | July 29,1879 | 1273 | 364 | 16 | 204 |
| Valve, Balance | G. W. Moore and J. W. Pertz | 217,019 | July 1,1879 | 99 | 29 | 16 | 15 |
| Valve, Balance puppet | L. D. Bartlett | 213,030 | Mar. 11,1879 | 315 | 88 | 15 | 345 |
| Valve, Balance slide | D. B. Kimmel | 219,161 | Sept. 2,1879 | 116 | 34 | 16 | 427 |
| Valve, Balance slide | E. Robinson | 219,310 | Sept. 2,1879 | 292 | 82 | 16 | 449 |
| Valve, Balance steam | G. W. Moore and J. W. Pertz | 217,395 | July 8,1879 | 521 | 150 | 16 | 78 |
| Valve, Balanced | J. H. Fairbank | 216,664 | June 17,1879 | 743 | 212 | 15 | 997 |
| Valve, Balanced slide | E. Robinson | 219,597 | Sept. 16,1879 | 617 | 172 | 16 | 507 |
| Valve, Center-seal purge | T. F. Rowland | 211,590 | Jan. 21,1879 | 605 | 170 | 15 | 80 |
| Valve, Coupling | G. Westinghouse, jr | 214,336 | Apr. 15,1879 | 733 | 205 | 15 | 583 |
| Valve for air-expansion and other cylinders | J. B. Waring | 218,093 | July 29,1879 | 1326 | 381 | 16 | 211 |
| Valve for hydraulic engines, &c | G. Johnson | 212,556 | Feb. 25,1879 | 883 | 244 | 15 | 254 |
| Valve for steam-engines, Balanced | D. C. Prescott | 215,293 | May 13,1879 | 387 | 115 | 15 | 754 |
| Valve for steam-engines, Expansion | A. Bretonneau | 222,376 | Dec. 9,1879 | 294 | 82 | 16 | 1059 |
| Valve-gear | J. C. Dean | 221,537 | Nov. 11,1879 | 470 | 128 | 16 | 886 |
| Valve-gear | G. E. Tower | 213,261 | Mar. 11,1879 | 574 | 160 | 15 | 379 |
| Valve-gear, Steam-engine | A. S. Cameron | 213,435 | Mar. 18,1879 | 765 | 215 | 15 | 412 |
| Valve-gear, Steam-engine | C. W. Copeland | 222,459 | Dec. 9,1879 | 393 | 112 | 16 | 1072 |
| Valve-gear, Steam-engine | G. H. Corliss | 215,797 | May 27,1879 | 951 | 279 | 15 | 847 |
| Valve-gear, Steam-engine | G. H. Corliss | 215,884 | May 27,1879 | 1051 | 306 | 15 | 859 |
| Valve-gear, Steam-engine | C. A. Knowlton | 212,019 | Feb. 4,1879 | 220 | 62 | 15 | 154 |
| Valve-gear, Steam-pump | L. J. Knowles | 213,823 | Apr. 1,1879 | 100 | 31 | 15 | 485 |
| Valve, Globe | J. Fowler | 222,887 | Dec. 23,1879 | 904 | 261 | 16 | 1165 |
| Valve, Globe | F. Haskell | 217,847 | July 22,1879 | 1048 | 299 | 16 | 168 |
| Valve, Globe | J. C. and J. Lorenz | 217,468 | July 15,1879 | 615 | 176 | 16 | 102 |
| Valve, Leather-flap | W. L. Crawley | 217,201 | July 8,1879 | 318 | 94 | 16 | 52 |
| Valve mechanism, Engine | M. L. Jacquemin | 219,950 | Sept. 23,1879 | 1026 | 285 | 16 | 573 |
| Valve mechanism for direct-acting engines | G. E. Dow | 221,220 | Nov. 4,1879 | 88 | 23 | 16 | 824 |
| Valve or cock | W. A. and W. F. Johnston | 213,575 | Mar. 25,1879 | 924 | 263 | 15 | 440 |
| Valve or faucet | F. Woodward | 222,766 | Dec. 16,1879 | 753 | 217 | 16 | 1132 |
| Valve, Oscillating | C. J. Elliott and H. B. McCool | 216,030 | June 3,1879 | 27 | 7, 8 | 15 | 888 |
| Valve, Pressure-regulating | W. D. Dickey | 213,398 | Mar. 18,1879 | 735 | 206 | 15 | 408 |
| Valve-regulating mechanism | M. L. Jacquemin | 220,151 | Sept. 30,1879 | 1266 | 347 | 16 | 613 |
| Valve, Relief | D. F. Sherboudy | 214,719 | Apr. 22,1879 | 1169 | 329 | 15 | 646 |
| Valve, Rotary | W. Redmond | 216,457 | June 10,1879 | 514 | 146 | 15 | 958 |
| Valve, Safety | R. M. Pringle and W. D. Robb | 217,745 | July 22,1879 | 937 | 269 | 16 | 154 |
| Valve, Safety | F. W. Richardson | 215,242 | May 13,1879 | 314 | 92, 93 | 15 | 745 |
| Valve, Safety | J. C. Schaefer | 212,576 | Feb. 25,1879 | 908 | 251 | 15 | 258 |
| Valve, Safety | F. B. Scovell | 221,194 | Nov. 4,1879 | 60 | 16 | 16 | 820 |
| Valve, Self-acting scupper | J. Harker | 218,263 | Aug. 5,1879 | 176 | 47 | 16 | 244 |
| Valve, Slide | E. S. Chapell | 221,956 | Nov. 25,1879 | 973 | 272 | 16 | 972 |
| Valve, Slide | J. J. Tonkin | 213,011 | Mar. 4,1879 | 281 | 78 | 15 | 333 |
| Valve, Slide and steam | A. H. Mathesius | 215,064 | May 6,1879 | 89 | 27 | 15 | 714 |
| Valve-spindles steam-tight, Rendering | A. Kerr | 217,540 | July 15,1879 | 691 | 197 | 16 | 112 |
| Valve, Steam | C. A. Bevans | 215,315 | May 13,1879 | 408 | 121 | 15 | 757 |
| Valve, Steam | H. F. Colvin | 215,323 | May 13,1879 | 415 | 123 | 15 | 758 |
| Valve, Steam | J. A. Cook | 216,834 | June 24,1879 | 954 | 271 | 15 | 1034 |
| Valve, Steam | F. W. Gordon | 216,515 | June 17,1879 | 586 | 166 | 15 | 976 |
| Valve, Steam-engine | A. F. Kirsten | 219,739 | Sept. 16,1879 | 780 | 215 | 16 | 529 |
| Valve, Steam-engine exhaust | G. H. Corliss | 215,806 | May 27,1879 | 962 | 282 | 15 | 848 |
| Valve, Steam-engine rotary | C. J. McCallum | 219,750 | Sept. 16,1879 | 789 | 218 | 16 | 531 |
| Valve, Steam-engine slide | E. S. Chapell | 221,955 | Nov. 25,1879 | 972 | 272 | 16 | 972 |
| Valve, Stop | E. C. Post | 218,399 | Aug. 12,1879 | 334 | 92 | 16 | 276 |
| Valve, Stop | A. Weber | 216,921 | June 24,1879 | 1051 | 298 | 15 | 1046 |
| Valve, Vacuum | N. C. Locke | 213,118 | Mar. 11,1879 | 421 | 116 | 15 | 359 |
| Valve, Vent and check | F. Richardson | 215,163 | May 6,1879 | 209 | 60 | 15 | 728 |
| Valve, Vulcanized India-rubber | J. Murphy | 211,340 | Jan. 14,1879 | 320 | ..... | 15 | 42 |
| Valves, Machine for trimming circular | G. L. Miller | 216,966 | July 1,1879 | 44 | 14 | 16 | 8 |
| Vaper and gas burner | H. McConnell | 215,143 | May 6,1879 | 191 | 54 | 15 | 725 |
| Vaper-bath | J. Spruill | 214,963 | Apr. 29,1879 | 1447 | 403 | 15 | 690 |
| Vaper-burner | Z. Davis | 213,097 | Mar. 11,1879 | 399 | 111 | 15 | 356 |
| Vaper-burner | Z. Davis | 215,890 | May 27,1879 | 1057 | 308 | 15 | 860 |
| Vapor-burner | V. P. Harris | 211,997 | Feb. 4,1879 | 198 | 56 | 15 | 152 |
| Vaper-burner | J. Irwin | 213,510 | Mar. 25,1879 | 850 | 242 | 15 | 432 |
| Vaper-burner | T. Johnson | 212,705 | Feb. 25,1879 | 1036 | 287 | 15 | 274 |
| Vaper-burner | J. S. Kellogg | 213,114 | Mar. 11,1879 | 417 | 115 | 15 | 358 |
| Vaper-burner | E. M. Lowden | 223,051 | Dec. 30,1879 | 1096 | 312 | 16 | 1202 |
| Vapor-burner | F. Marquart | 220,929 | Oct. 28,1879 | 846 | 227 | 16 | 773 |
| Vapor-burner | E. F. Rogers | 221,937 | Nov. 25,1879 | 948 | 266 | 16 | 969 |
| Vapor-burner | W. H. Russell | 220,665 | Oct. 14,1879 | 522 | 138 | 16 | 713 |
| Vaper-burner | H. Wellington | 214,333 | Apr. 15,1879 | 727 | 204 | 15 | 582 |
| Vaper-burner | H. Wellington | 220,452 | Oct. 7,1879 | 265 | 71 | 16 | 672 |
| Vaper-burner | J. S. Wood | 212,293 | Feb. 11,1879 | 536 | 150 | 15 | 198 |
| Vaper-engine | W. P. and W. T. Wood | 217,665 | July 15,1879 | 830 | 238 | 16 | 130 |
| Vaper-fuel generater | A. I. Ambler | 211,369 | Jan. 14,1879 | 349 | 102 | 15 | 45 |
| Vaper-generating burner | F. H. Shepherd | 211,113 | Jan. 7,1879 | 39 | 13 | 15 | 5 |
| Vaper or gas engine | F. A. T. De Beauregard | 213,860 | Apr. 1,1879 | 142 | 42 | 15 | 491 |
| Vaporizer | C. P. Ball | 214,349 | Apr. 15,1879 | 759 | 209 | 15 | 585 |
| Vaporizer | P. Giffard | 211,234 | Jan. 7,1879 | 170 | 50 | 15 | 23 |
| Vaporizing apparatus | M. Cziner | 218,862 | Aug. 26,1879 | 905 | 253 | 16 | 372 |
| Varnish | R. M. Breinig | 220,334 | Oct. 7,1879 | 137 | ..... | 16 | 654 |
| Varnish | J. D. Meigher | 213,342 | Mar. 18,1879 | 679 | ..... | 15 | 401 |
| Vat: | | | | | | | |
| *See* Fermenting-vat. Tan-vat. | | | | | | | |
| Vault and area-cover, Illuminating | W. Dale | 222,871 | Dec. 23,1879 | 888 | 255 | 16 | 1162 |
| Vault, Burial | J. A. Marsh | 218,185 | Aug. 5,1879 | 92 | 25 | 16 | 233 |
| Vault, Burial | S. G. Maus | 213,121 | Mar. 11,1879 | 424 | 117 | 15 | 359 |
| Vault-light, &c | J. I. Healey | 211,510 | Jan. 21,1879 | 514 | 144 | 15 | 68 |
| Vegetable-assorter | J. H. Heinz | 212,000 | Feb. 4,1879 | 200 | 57 | 15 | 152 |
| Vegetable-assorter | J. H. Heinz | 212,849 | Mar. 4,1879 | 77 | 23 | 15 | 308 |
| Vegetable-cutter | O. H. Burdick | 214,809 | Apr. 29,1879 | 1290 | 361 | 15 | 669 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. | | Official Gazette. | |
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| Vegetable-cutter | M. L. Funkhouser | 219,930 | Sept. 23, 1879 | 1004 | 279 | 16 | 570 |
| Vegetable-cutter | C. J. Gardner | 212,921 | Mar. 4, 1879 | 179 | 49 | 15 | 319 |
| Vegetable-cutter | T. Tschanum | 213,147 | Mar. 11, 1879 | 458 | 127 | 15 | 363 |
| Vegetable-parer | H. Ehmann | 213,880 | Apr. 1, 1879 | 164 | 48 | 15 | 493 |
| Vegetable-slicer | N. H. Andrews | 221,436 | Nov. 11, 1879 | 346 | 96 | 16 | 869 |
| Vegetable slicer and grater, Combined | A. Smith | 220,882 | Oct. 21, 1879 | 780 | 208 | 16 | 755 |
| Vehicle | C. M. Murch | 218,637 | Aug. 19, 1879 | 627 | 177 | 16 | 324 |
| Vehicle | J. G. Oulson | 223,063 | Dec. 30, 1879 | 1110 | 315 | 16 | 1203 |
| Vehicle-boot | J. W. Hewitt | 219,727 | Sept. 16, 1879 | 769 | 212 | 16 | 528 |
| Vehicle bows and shafts, Cover for | B. J. Warden | 222,553 | Dec. 9, 1879 | 503 | 142 | 16 | 1086 |
| Vehicle-brake | J. L. Johnston | 214,920 | Apr. 29, 1879 | 1407 | 390 | 15 | 684 |
| Vehicle-brake | C. J. Walser | 212,579 | Feb. 25, 1879 | 911 | 251 | 15 | 258 |
| Vehicle-brake | J. C. Zweidinger | 216,076 | June 3, 1879 | 77 | 22 | 15 | 894 |
| Vehicle-brake lever | E. J. Anderson | 214,865 | Apr. 29, 1879 | 1352 | 376 | 15 | 677 |
| Vehicle-brake lever | J. Yenne | 213,025 | Mar. 4, 1879 | 296 | 84 | 15 | 335 |
| Vehicle-dash | G. M. Peters | 213,529 | Mar. 25, 1879 | 869 | 247 | 15 | 434 |
| Vehicle dash-board | B. J. Warden | 216,002 | May 27, 1879 | 1166 | 339 | 15 | 874 |
| Vehicle-dashes, Fastening attachment for | B. J. Warden | 221,636 | Nov. 11, 1879 | 573 | 159 | 16 | 901 |
| Vehicle, Endless-track | J. J. Halcombe | 219,938 | Sept. 23, 1879 | 1012 | 281 | 16 | 571 |
| Vehicle-heater | J. H. Robertson and J. E. Steger. | 218,316 | Aug. 5, 1879 | 231 | 62 | 16 | 252 |
| Vehicle jump-seat | G. H. Hutton | 218,272 | Aug. 5, 1879 | 184 | 50 | 16 | 245 |
| Vehicle perch-end | W. C. Carlton and J. W. Baker | 216,938 | July 1, 1879 | 12 | 4 | 16 | 4 |
| Vehicle platform-gear | E. H. Booth | 220,204 | Sept. 30, 1879 | 1331 | 367 | 16 | 623 |
| Vehicle platform-spring | T. G. Mandt | 212,716 | Feb. 25, 1879 | 1046 | 290 | 15 | 276 |
| Vehicle platform-trestle | E. B. Childs | 219,221 | Sept. 2, 1879 | 185 | 55 | 16 | 436 |
| Vehicle rub-iron | A. Palm | 218,562 | Aug. 12, 1879 | 528 | 148 | 16 | 303 |
| Vehicle running-gear | J. Herbrand | 222,904 | Dec. 23, 1879 | 925 | 266 | 16 | 1168 |
| Vehicle running-gear | C. Oester | 214,579 | Apr. 22, 1879 | 1021 | 287 | 15 | 627 |
| Vehicle sand-band | E. F. Lane | 212,237 | Feb. 11, 1879 | 477 | 132 | 15 | 189 |
| Vehicle sand-band | J. F. Wise | 220,458 | Oct. 7, 1879 | 272 | 73 | 16 | 673 |
| Vehicle-seat fastening | J. Foster | 217,790 | July 22, 1879 | 984 | 281 | 16 | 160 |
| Vehicle-seat lock | W. B. Allen | 212,345 | Feb. 18, 1879 | 610 | 171 | 15 | 210 |
| Vehicle shifting-back | J. A. McClelland | 221,085 | Oct. 28, 1879 | 1035 | 274 | 16 | 797 |
| Vehicle shifting-rail | J. L. Fisher | 221,295 | Nov. 4, 1879 | 169 | 46 | 16 | 836 |
| Vehicle shifting-rail | T. H. Graves | 222,487 | Dec. 9, 1879 | 428 | 122 | 16 | 1077 |
| Vehicle shifting-rail | L. Hullinger | 222,823 | Dec. 23, 1879 | 831 | 238 | 16 | 1154 |
| Vehicle shifting-seat | J. Himelsbach and G. Wenninger. | 221,654 | Nov. 11, 1879 | 588 | 164 | 16 | 903 |
| Vehicle, Side-bar | P. J. Mangan | 212,024 | Feb. 4, 1879 | 225 | 63 | 15 | 155 |
| Vehicle, Side-bar | J. Preo | 218,897 | Aug. 26, 1879 | 948 | 265 | 16 | 378 |
| Vehicle, Side-bar | J. C. Walter | 213,477 | Mar. 18, 1879 | 804 | 227 | 15 | 417 |
| Vehicle side-spring | S. H. Gage and G. W. Benedict | 215,515 | May 20, 1879 | 636 | 185 | 15 | 797 |
| Vehicle, Side-spring | J. McBride | 218,042 | July 29, 1879 | 1274 | 364 | 16 | 204 |
| Vehicle, Side-spring | C. G. Wilcox | 220,009 | Sept. 23, 1879 | 1091 | 302 | 16 | 581 |
| Vehicle-spring | W. B. Baker | 221,716 | Nov. 18, 1879 | 670 | 187 | 16 | 922 |
| Vehicle-spring | W. Bambridge | 219,612 | Sept. 16, 1879 | 636 | 177 | 16 | 510 |
| Vehicle-spring | E. T. Barlow | 217,973 | July 29, 1879 | 1195 | 343 | 16 | 194 |
| Vehicle-spring | E. P. Carter | 216,939 | July 1, 1879 | 13 | 4 | 16 | 4 |
| Vehicle-spring | O. S. Carvill | 213,386 | Mar. 18, 1879 | 719 | 202 | 15 | 406 |
| Vehicle-spring | S. S. Claar | 213,172 | Mar. 11, 1879 | 487 | 135 | 15 | 367 |
| Vehicle-spring | J. J. Cobb | 212,791 | Mar. 4, 1879 | 12 | 4 | 15 | 298 |
| Vehicle-spring | J. S. Corban | 220,347 | Oct. 7, 1879 | 152 | 41 | 16 | 655 |
| Vehicle-spring | M. H. Crane | 212,302 | Feb. 18, 1879 | 559 | 156 | 15 | 203 |
| Vehicle-spring | A. L. and L. A. Davis | 212,905 | Mar. 4, 1879 | 154 | 43 | 15 | 316 |
| Vehicle-spring | J. H. Deniger | 212,542 | Feb. 25, 1879 | 868 | 240 | 15 | 252 |
| Vehicle-spring | J. Enders | 214,244 | Apr. 15, 1879 | 617 | 174 | 15 | 568 |
| Vehicle-spring | H. Gardiner | 215,114 | May 6, 1879 | 154 | 44 | 15 | 721 |
| Vehicle-spring | O. S. Gorton | 213,893 | Apr. 1, 1879 | 177 | 51 | 15 | 495 |
| Vehicle-spring | N. J. Gover | 218,255 | Aug. 5, 1879 | 168 | 45 | 16 | 243 |
| Vehicle-spring | J. S. Graves | 215,453 | May 20, 1879 | 566 | 166 | 15 | 788 |
| Vehicle-spring | W. W. Grier | 212,217 | Feb. 11, 1879 | 457 | 126 | 15 | 187 |
| Vehicle-spring | W. W. Grier | 216,179 | June 3, 1879 | 179 | 53 | 15 | 907 |
| Vehicle-spring | W. W. Grier | 216,180 | June 3, 1879 | 180 | 54 | 15 | 908 |
| Vehicle-spring | A. Gummer | 213,748 | Apr. 1, 1879 | 21 | 7 | 15 | 475 |
| Vehicle-spring | A. Gummer | 217,457 | July 15, 1879 | 604 | 173 | 16 | 101 |
| Vehicle-spring | W. S. Haggard | 213,818 | Apr. 1, 1879 | 97 | 29 | 15 | 485 |
| Vehicle-spring | G. B. Hamlin | 219,087 | Sept. 2, 1879 | 36 | 11 | 16 | 417 |
| Vehicle-spring | W. P. Hansell | 212,688 | Feb. 25, 1879 | 1016 | 282 | 15 | 272 |
| Vehicle-spring | W. Henry | 217,105 | July 1, 1879 | 202 | 58 | 16 | 28 |
| Vehicle-spring | I. V. Hicks | 222,701 | Dec. 16, 1879 | 691 | 198 / 199 | 16 | 1123 |
| Vehicle-spring | F. A. Hill | 216,956 | July 1, 1879 | 33 | 10 | 16 | 6 |
| Vehicle-spring | J. Hironimus | 218,628 | Aug. 19, 1879 | 620 | 174 | 16 | 323 |
| Vehicle-spring | C. J. Holman | 222,703 | Dec. 16, 1879 | 693 | 199 | 16 | 1124 |
| Vehicle-spring | W. P. Kelley | 223,145 | Dec. 30, 1879 | 1208 | 341 | 16 | 1217 |
| Vehicle-spring | J. H. Kleppinger | 223,149 | Dec. 30, 1879 | 1212 | 343 | 16 | 1217 |
| Vehicle-spring | J. J. Kraiss | 221,173 | Nov. 4, 1879 | 40 | 11 | 16 | 818 |
| Vehicle-spring | J. Krehbiel | 221,925 | Nov. 25, 1879 | 938 | 263 | 16 | 967 |
| Vehicle-spring | T. W. Lane | 218,934 | July 29, 1879 | 1265 | 361 | 16 | 203 |
| Vehicle-spring | S. W. Ludlow | 222,192 | Dec. 2, 1879 | 87 | 21 | 16 | 1020 |
| Vehicle-spring | R. MacKellar and B. Lent | 211,754 | Jan. 28, 1879 | 807 | 227 | 15 | 110 |
| Vehicle-spring | M. R. Maxson | 219,964 | Sept. 23, 1879 | 1041 | 289 | 16 | 574 |
| Vehicle-spring | J. A. McConnell | 219,967 | Sept. 23, 1879 | 1045 | 290 | 16 | 575 |
| Vehicle-spring | J. Miller | 215,626 | June 17, 1879 | 706 | 201 | 15 | 992 |
| Vehicle-spring | J. M. Nyce | 211,924 | Feb. 4, 1879 | 117 | 34 | 15 | 141 |
| Vehicle-spring | B. S. Porter | 212,742 | Feb. 25, 1879 | 1074 | 298 | 15 | 280 |
| Vehicle-spring | J. H. Sanderson | 216,352 | June 10, 1879 | 398 | 113 | 15 | 942 |
| Vehicle-spring | M. A. Shepard | 211,866 | Feb. 4, 1879 | 51 | 16 | 15 | 132 |
| Vehicle-spring | L. Spalding and L. Wiede | 215,986 | May 27, 1879 | 1153 | 335 | 15 | 873 |
| Vehicle-spring | P. F. Sticker | 216,982 | July 1, 1879 | 61 | 19 | 16 | 10 |
| Vehicle-spring | P. F. Sticker | 216,983 | July 1, 1879 | 61 | 19 | 16 | 10 |
| Vehicle-spring | W. H. Stickle | 213,466 | Mar. 18, 1879 | 794 | 224 | 15 | 416 |
| Vehicle-spring | C. E. Stone | 215,487 | May 20, 1879 | 604 | 178 | 15 | 793 |
| Vehicle-spring | W. A. Sweet | 215,304 | May 13, 1879 | 399 | 118 | 15 | 756 |
| Vehicle-spring | W. A. Sweet | 216,116 | June 3, 1879 | 114 | 33 | 15 | 899 |

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|---|---|---|---|---|---|---|---|
| Vehicle-spring | M. R. Thurber | 214,064 | Apr. 8, 1879 | 387 | 109 | 15 | 530 |
| Vehicle-spring | J. Walsh | 221,129 | Oct. 28, 1879 | 1074 | 284 | 16 | 802 |
| Vehicle spring-brace | J. P. Fuller | 213,888 | Apr. 1, 1879 | 172 | 50 | 15 | 494 |
| Vehicle spring-brace | W. S. Widger | 222,760 | Dec. 16, 1879 | 746 | 215 | 16 | 1131 |
| Vehicle spring-clip | C. W. Patten | 220,546 | Oct. 14, 1879 | 390 | 101 | 16 | 695 |
| Vehicle, Spring-perch | C. G. Wilcox | 218,353 | Aug. 5, 1879 | 271 | 74 | 16 | 256 |
| Vehicle step-cover | W. Mellon | 213,437 | Mar. 18, 1879 | 768 | 216 | 15 | 413 |
| Vehicle-top | J. E. Clark | 218,115 | Aug. 5, 1879 | 11 | 4 | 16 | 222 |
| Vehicle-top prop | C. F. Odell | 213,129 | Mar. 11, 1879 | 434 | 121 | 15 | 360 |
| Vehicle-wheel | F. Hollick | 214,135 | Apr. 8, 1879 | 479 | 137 | 15 | 549 |
| Vehicle-wheel | F. W. Kuehn | 218,444 | Aug. 12, 1879 | 388 | 107 | 16 | 283 |
| Vehicle-wheel | L. B. Lawrence | 216,279 | June 10, 1879 | 310 | 91 | 15 | 931 |
| Vehicle-wheel | I. F. Munson | 219,500 | Sept. 9, 1879 | 510 | 141, 142 | 16 | 485 |
| Vehicle-wheel | D. Noteman | 214,837 | Apr. 29, 1879 | 1320 | 368 | 15 | 673 |
| Vehicle-wheel | D. Ottinger | 213,297 | Mar. 18, 1879 | 632 | 177 | 15 | 394 |
| Vehicle-wheel | F. H. Rossman | 216,762 | June 24, 1879 | 870 | 247 | 15 | 1023 |
| Vehicle-wheel | W. W. Valentine | 222,611 | Dec. 16, 1879 | 588 | 167 | 16 | 1108 |
| Vehicle-wheel sand-band | G. C. Hill | 217,374 | July 8, 1879 | 500 | 145 | 16 | 76 |
| Vehicle-wheel sand-band | J. Hitchcock | 212,224 | Feb. 11, 1879 | 462 | 128 | 15 | 187 |
| Vehicle-wheels, Device for taking off | O. Ward | 223,199 | Dec. 30, 1879 | 1258 | 357 | 16 | 1224 |
| Vehicles, Corner-iron and rest for shifting-rails of | T. T. Haydock | 214,296 | Apr. 15, 1879 | 676 | 189 | 15 | 576 |
| Vehicles, Device for detaching animals from | G. H. Whitaker and J. C. Partin | 222,804 | Dec. 23, 1879 | 810 | 232 | 16 | 1151 |
| Vehicles, Seat-back and shifting-rail for | S. B. Cox | 215,046 | May 6, 1879 | 68 | 21 | 15 | 711 |
| Vehicles, Spring-bolster for | M. Burton | 211,834 | Feb. 4, 1879 | 6 | 2 | 15 | 127 |
| Vehicles, Spring-bolster for | J. G. Snyder | 212,328 | Feb. 18, 1879 | 589 | 165 | 15 | 207 |
| Vehicles, Spring-perch for | W. Dunlap | 214,896 | Apr. 29, 1879 | 1381 | 384, 385 | 15 | 681 |
| Vehicles, Stay for spring | G. Peirce | 215,537 | May 20, 1879 | 659 | 192 | 15 | 800 |
| Velocipede | H. W. Baltz, sr | 212,884 | Mar. 4, 1879 | 130 | 37 | 15 | 313 |
| Velocipede | E. J. Blood | 211,959 | Feb. 4, 1879 | 158 | 45 | 15 | 147 |
| Velocipede | E. J. Blood | 211,960 | Feb. 4, 1879 | 159 | 46 | 15 | 147 |
| Velocipede | J. E. Browne | 215,876 | May 27, 1879 | 1044 | 304 | 15 | 858 |
| Velocipede | P. Denham | 222,022 | Nov. 25, 1879 | 1035 | 290 | 16 | 980 |
| Velocipede | J. W. Gilbert | 222,779 | Dec. 23, 1879 | 781 | 224 | 16 | 1147 |
| Velocipede | C. W. Green | 219,252 | Sept. 2, 1879 | 227 | 65 | 16 | 441 |
| Velocipede | H. Hassenpflug | 221,917 | Nov. 25, 1879 | 923 | 258, 259 | 16 | 966 |
| Velocipede | E. T. Higham | 218,968 | Aug. 26, 1879 | 1016 | 285 | 16 | 388 |
| Velocipede | H. Hinckley and N. H. Culver | 213,109 | Mar. 11, 1879 | 412 | 114 | 15 | 358 |
| Velocipede | R. R. Ingersoll | 217,535 | July 15, 1879 | 686 | 195 | 16 | 112 |
| Velocipede | B. A. Joule | 216,190 | June 3, 1879 | 190 | 56 | 15 | 909 |
| Velocipede | A. Kneip | 222,506 | Dec. 9, 1879 | 448 | 128 | 16 | 1079 |
| Velocipede | E. C. F. Otto | 212,492 | Feb. 18, 1879 | 785 | 217 | 15 | 233 |
| Velocipede | S. P. Ruggles | 217,241 | July 8, 1879 | 361 | 106 | 16 | 58 |
| Velocipede | J. Shire | 216,231 | June 3, 1879 | 230 | 68 | 15 | 914 |
| Velocipede | R. Steel | 211,116 | Jan. 7, 1879 | 44 | 14 | 15 | 6 |
| Velocipede | R. Steel | 221,255 | Nov. 4, 1879 | 127 | 34 | 16 | 830 |
| Velocipede | H. Will and C. Uebele | 219,551 | Sept. 9, 1879 | 557 | 156 | 16 | 491 |
| Velocipede, Ice | A. A. Smith | 211,868 | Feb. 4, 1879 | 53 | 16, 17 | 15 | 133 |
| Velocipede-sled | J. H. Dennis | 223,118 | Dec. 30, 1879 | 1180 | 332 | 16 | 1213 |
| Veneer-blank for trays and boxes | C. G. Udell | 220,317 | Oct. 7, 1879 | 123 | 34 | 16 | 661 |
| Veneer-box | H. C. White | 219,373 | Sept. 9, 1879 | 373 | 105 | 16 | 467 |
| Veneer-box machine | A. B. Rice | 212,264 | Feb. 11, 1879 | 504 | 141 | 15 | 193 |
| Veneer-boxes, Machine for making | D. F. Noyes | 218,307 | Aug. 5, 1879 | 222 | 60 | 16 | 250 |
| Veneer-cutting machine | C. W. Thompson | 211,436 | Jan. 14, 1879 | 425 | 120, 121 | 15 | 54 |
| Veneer sanding and smoothing machine | W. Gardner | 215,908 | May 27, 1879 | 1078 | 313 | 15 | 862 |
| Veneer, Wood | A. B. Rice | 215,162 | May 6, 1879 | 208 | 60 | 15 | 728 |
| Vent, Automatic air | J. P. Gruber | 215,915 | May 27, 1879 | 1085 | 315 | 15 | 863 |
| Vent, Cask | H. Finck | 217,358 | July 8, 1879 | 486 | 141 | 16 | 74 |
| Vent for beer-barrels, Automatic pressure | W. H. Boles and G. B. Hall | 219,440 | Sept. 9, 1879 | 449 | 125 | 16 | 477 |
| Vent-spout for bottles, &c | J. Luckhardt | 217,127 | July 1, 1879 | 225 | 65 | 16 | 31 |
| Ventilating and cooling mines, Process and apparatus for. | W. B. Gorman and H. R. Leonard | 220,940 | Oct. 28, 1879 | 859 | 231 | 16 | 774 |
| Ventilating and sewer connection for houses | W. Pickhardt | 213,245 | Mar. 11, 1879 | 558 | 155 | 15 | 377 |
| Ventilating apparatus for mines | J. Kay and S. Rockefeller | 220,387 | Oct. 7, 1879 | 200 | 53 | 16 | 662 |
| Ventilating buildings, Air heating and cooling apparatus for. | W. Pickhardt | 216,452 | June 10, 1879 | 511 | 145 | 15 | 957 |
| Ventilating buildings, vessels, &c | F. L. Norton | 216,804 | June 24, 1879 | 921 | 262, 263 | 15 | 1029 |
| Ventilating mines, &c., and operating machinery therein. | C. M. T. Du Motay and L. F. Beckwith. | 219,037 | Aug. 26, 1879 | 1090 | 306 | 16 | 397 |
| Ventilating sewer-pipes and water-closets | L. Ullo | 218,799 | Aug. 19, 1879 | 797 | 227 | 16 | 348 |
| Ventilating ships | J. L. Foulis | 216,951 | July 1, 1879 | 27 | 8 | 16 | 6 |
| Ventilating soil-pipes of houses | E. N. Dickerson | 211,089 | Jan. 7, 1879 | 12 | 4 | 15 | 2 |
| Ventilating waste-pipes in houses | M. Mulligan | 219,499 | Sept. 9, 1879 | 509 | 141 | 16 | 485 |
| Ventilating water-closets | G. R. Moore | 214,304 | Apr. 15, 1879 | 687 | 192 | 15 | 577 |
| Ventilation | R. B. Davy | 216,083 | June 3, 1879 | 83 | 24 | 15 | 895 |
| Ventilation | A. W. Murray | 214,177 | Apr. 8, 1879 | 518 | 148 | 15 | 545 |
| Ventilation for mills, &c | V. P. Harris | 216,398 | June 10, 1879 | 450 | 128 | 15 | 949 |
| Ventilation, House | T. B. Pierson and O. J. Burnett | 223,006 | Dec. 30, 1879 | 1048 | 300 | 16 | 1195 |
| Ventilator: *See* Automatic ventilator. Car-ventilator. Centrifugal and screw ventilator. Hat-ventilator. Hot-bed-sash ventilator. House-ventilator. Range-ventilator. Sewer-ventilator. Supply-ventilator. Window-ventilator. | | | | | | | |
| Ventilator | W. B. Brown | 216,650 | June 17, 1879 | 728 | 298 | 15 | 995 |
| Ventilator | G. R. Buffham | 215,791 | May 27, 1879 | 944 | 277 | 15 | 846 |
| Ventilator | G. Hayes | 217,215 | July 8, 1879 | 334 | 99 | 16 | 54 |
| Ventilator | G. Hayes | 218,265 | Aug. 5, 1879 | 178 | 48 | 16 | 244 |
| Ventilator | G. R. Moore | 215,279 | May 13, 1879 | 362 | 105 | 15 | 751 |
| Ventilator | T. Simmons | 222,297 | Dec. 2, 1879 | 104 | 26 | 16 | 1023 |

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|---|---|---|---|---|---|---|---|
| Ventilator | J. Smith | 217,712 | July 22, 1879 | 904 | 259 | 16 | 150 |
| Ventilator | A. and A. Van Horn | 212,287 | Feb. 11, 1879 | 531 | 149 | 15 | 197 |
| Ventilator | E. Van Noorden | 211,872 | Feb. 4, 1879 | 57 | 17 | 15 | 133 |
| Ventilator | P. H. Viets | 222,756 | Dec. 16, 1879 | 743 | 214 | 16 | 1131 |
| Ventilator | L. J. Wing | 215,783 | May 27, 1879 | 932 | 274 | 15 | 845 |
| Ventilator-cap | P. J. Belford | 212,647 | Feb. 25, 1879 | 980 | 272 | 15 | 267 |
| Ventilator-cap | S. J. Pardessus | 222,939 | Dec. 23, 1879 | 963 | 276 | 16 | 1173 |
| Vessel for preventing the shifting of cargoes, Marine. | D. Knowles | 215,136 | May 6, 1879 | 184 | 52 | 15 | 724 |
| Vessel, Ice-breaking | F. M. Mahan | 212,715 | Feb. 25, 1879 | 1045 | 290 | 15 | 276 |
| Vessels, Air-port for | T. D. Wilson | 222,111 | Nov. 25, 1879 | 1142 | 322 | 16 | 996 |
| Vessels, Ballast-log for | C. Liparelli | 216,424 | June 10, 1879 | 478 | 137 | 15 | 952 |
| Vessels, Construction of hulls of | T. Lee | 213,213 | Mar. 11, 1879 | 525 | 146 | 15 | 372 |
| Vessels, Construction of hulls of | H. T. Morse | 216,892 | June 24, 1879 | 920 | 262 | 15 | 1029 |
| Vessels, Device for preventing the shifting of cargoes in. | R. Quintavalle | 219,305 | Sept. 2, 1879 | 286 | 80 | 16 | 448 |
| Vessels, Device for preventing the shifting of grain in. | C. Lazarevitch | 219,278 | Sept. 2, 1879 | 253 | 72 | 16 | 444 |
| Vessels, &c., Raising sunken | W. Raydt | 211,587 | Jan. 21, 1879 | 599 | 169 | 15 | 79 |
| Vessels, Spring-guard or fender for | C. Hülster | 212,143 | Feb. 11, 1879 | 376 | 102 | 15 | 176 |
| Vest | R. Vogel | 215,416 | May 13, 1879 | 506 | 150 | 15 | 770 |
| Vials and other bottles, Apparatus for forming the necks, shoulders, and lips of. | E. Connolly | 220,344 | Oct. 7, 1879 | 148 | 40 | 16 | 655 |
| Vinegar apparatus | S. Levy | 220,539 | Oct. 14, 1879 | 378 | 98 | 16 | 694 |
| Violin | C. Kreutzer | 222,287 | Dec. 2, 1879 | 193 | 51 | 16 | 1035 |
| Violin | E. R. Mollenhauer | 218,761 | Aug. 19, 1879 | 758 | 215 | 16 | 342 |
| Violin | S. B. Sexton | 215,023 | May 6, 1879 | 44 | 13 | 15 | 708 |
| Violin-bow | W. A. Munch | 214,427 | Apr. 15, 1879 | 834 | 234 | 15 | 595 |
| Violin chin-rest | H. C. Barnes | 213,804 | Apr. 1, 1879 | 79 | 25 | 15 | 483 |
| Violin tail-piece | M. A. Perrigo | 213,345 | Mar. 18, 1879 | 681 | 191 | 15 | 401 |
| Violin tail-piece | J. E. Weaver | 214,600 | Apr. 22, 1879 | 1044 | 293 | 15 | 630 |
| Violins, Insulating attachment for | O. Bull | 217,330 | July 8, 1879 | 449 | 132 | 16 | 69 |
| Vise | G. B. Foote | 213,816 | Apr. 1, 1879 | 95 | 29 | 15 | 485 |
| Vise | B. W. Storey | 213,077 | Mar. 11, 1879 | 368 | 104 | 15 | 352 |
| Vise | F. C. Zanetti | 221,382 | Nov. 4, 1879 | 270 | 73 | 16 | 850 |
| Vise, Adjustable-faced | T. G. Hall | 219,719 | Sept. 16, 1879 | 760 | 210 | 16 | 527 |
| Vise and anvil, Combined | O. F. Davis and J. M. Grenalds | 221,448 | Nov. 11, 1879 | 359 | 99 | 16 | 871 |
| Vise, Bench | T. Grimmitt | 214,907 | Apr. 29, 1879 | 1394 | 387 | 15 | 683 |
| Vise for holding marble or stone while being cut | J. L. Ferguson | 215,514 | May 20, 1879 | 635 | 185 | 15 | 797 |
| Vise, Hand | A. Westermaier | 214,538 | Apr. 22, 1879 | 977 | 275 | 15 | 621 |
| Vise, Parallel | N. P. Ringstad | 221,611 | Nov. 11, 1879 | 548 | 151 | 16 | 897 |
| Vise, Pipe | F. P. Goss | 217,364 | July 8, 1879 | 491 | 142 | 16 | 75 |
| Vises, Pipe-grip for | J. F. Hall | 211,993 | Feb. 4, 1879 | 193 | 55 | 15 | 151 |
| Volatile substances, Device for the preservation and use of. | F. A. Reichardt | 217,240 | July 8, 1879 | 360 | 106 | 16 | 58 |
| Voting-register, Electric | R. O. Crowley | 213,875 | Apr. 1, 1879 | 159 | 47 | 15 | 493 |
| Vulcanizing-chamber for use in the manufacture of articles of India-rubber. | W. E. Kelly | 218,984 | Aug. 26, 1879 | 1035 | 291 / 292 | 16 | 390 |
| Vulcanizing rubber, &c., Apparatus for | F. Z. Nedden | 216,527 | June 17, 1879 | 599 | 170 | 15 | 977 |
| **W.** | | | | | | | |
| Wagon | F. A. Hill | 213,508 | Mar. 25, 1879 | 848 | 241 | 15 | 431 |
| Wagon | J. M. Orput | 218,828 | Aug. 26, 1879 | 857 | 241 | 16 | 366 |
| Wagon and car brake | M. C. Franklin and N. Landrum | 216,842 | June 24, 1879 | 963 | 274 | 15 | 1035 |
| Wagon, Beer | J. G. Unsoeld | 215,847 | May 27, 1879 | 1015 | 295 | 15 | 855 |
| Wagon-body | L. J. Fitzgerald | 213,502 | Mar. 25, 1879 | 842 | 238 | 15 | 430 |
| Wagon-body | J. M. Perkins | 221,097 | Oct. 28, 1879 | 1048 | 277 | 16 | 799 |
| Wagon-body | H. H. Richards | 215,164 | May 6, 1879 | 210 | 60 | 15 | 728 |
| Wagon-body bed-plate | T. A. Frakes | 213,408 | Mar. 18, 1879 | 743 | 208 | 15 | 409 |
| Wagon-body corner-iron | J. L. Morgan | 213,924 | Apr. 1, 1879 | 207 | 69 | 15 | 499 |
| Wagon-body, Extension | J. M. Rose | 220,664 | Oct. 14, 1879 | 521 | 138 | 16 | 713 |
| Wagon-box | J. L. Russell | 216,976 | July 1, 1879 | 55 | 17 | 16 | 9 |
| Wagon-box irons | J. King and R. E. Campbell | 211,514 | Jan. 21, 1879 | 517 | 145 | 15 | 69 |
| Wagon-brake | O. T. Baker | 219,431 | Sept. 9, 1879 | 439 | 122 | 16 | 476 |
| Wagon-brake | H. G. Cox | 219,692 | Sept. 16, 1879 | 734 | 203 | 16 | 523 |
| Wagon-brake | W. De Ray | 215,585 | May 20, 1879 | 716 | 209 | 15 | 807 |
| Wagon-brake | J. F. Ditsworth | 213,400 | Mar. 18, 1879 | 737 | 206 | 15 | 408 |
| Wagon-brake | D. Gibbens | 220,371 | Oct. 7, 1879 | 181 | 48 | 16 | 659 |
| Wagon-brake | O. A. Kenyon | 217,385 | July 8, 1879 | 510 | 148 | 10 | 77 |
| Wagon-brake | J. H. Lawson | 214,407 | Apr. 15, 1879 | 813 | 228 | 15 | 593 |
| Wagon-brake | E. W. Pritchett | 221,252 | Nov. 4, 1879 | 123 | 33 | 16 | 829 |
| Wagon-brake | B. Robinson | 214,456 | Apr. 15, 1879 | 861 | 242 | 15 | 599 |
| Wagon-brake, Automatic | L. L. and W. E. Johnson | 216,856 | June 24, 1879 | 981 | 278 | 15 | 1037 |
| Wagon-brake, Automatic | J. J. Rose | 216,897 | June 24, 1879 | 1029 | 290 | 15 | 1042 |
| Wagon-brake, Automatic | A. M. Van Ness | 217,435 | July 8, 1879 | 564 | 162 | 16 | 83 |
| Wagon-brake, Automatic | W. A. Yeatts | 216,493 | June 10, 1879 | 548 | 157 | 15 | 962 |
| Wagon-brake lever | J. H. Jenner | 215,627 | May 20, 1879 | 763 | 223 | 15 | 814 |
| Wagon, Buckboard | C. D. Le Grand | 214,160 | Apr. 8, 1879 | 503 | 143 | 15 | 544 |
| Wagon, Buckboard | R. A. Morse | 215,958 | May 27, 1879 | 1131 | 328 | 15 | 869 |
| Wagon, Buckboard | C. W. Saladee | 218,456 | Aug. 12, 1879 | 401 | 111 | 16 | 285 |
| Wagon-cover | T. Danahey | 221,791 | Nov. 18, 1879 | 770 | 215 | 16 | 935 |
| Wagon-draft attachment | L. Pulliam | 222,306 | Dec. 2, 1879 | 212 | 56 | 16 | 1038 |
| Wagon, Dumping | A. B. and T. C. Davis | 213,632 | Mar. 25, 1879 | 985 | 280 | 15 | 448 |
| Wagon, Dumping | W. Evans | 222,392 | Dec. 9, 1879 | 312 | 88 | 16 | 1062 |
| Wagon, Dumping | L. Jarman | 216,327 | June 10, 1879 | 368 | 105 | 15 | 938 |
| Wagon, Dumping | A. McFarlane | 220,630 | Oct. 14, 1879 | 486 | 127 | 16 | 708 |
| Wagon, Dumping | J. and J. Mills, jr | 218,999 | Aug. 26, 1879 | 1048 | 296 | 16 | 392 |
| Wagon, Dumping | R. H. Sherar | 219,532 | Sept. 9, 1879 | 541 | 151 | 16 | 490 |
| Wagon, Dumping | R. H. Sherar | 222,160 | Dec. 2, 1879 | 48 | 12 | 16 | 1016 |
| Wagon-gear | E. P. Joslyn | 221,236 | Nov. 4, 1879 | 158 | 28 | 16 | 827 |
| Wagon-hound lock | P. A. Goodman and F. L. Wilcox | 219,354 | Sept. 9, 1879 | 349 | 99 | 16 | 464 |
| Wagon-jack | M. D. Adams | 217,669 | July 22, 1879 | 857 | 245 | 16 | 143 |
| Wagon-jack | J. Allen | 221,714 | Nov. 18, 1879 | 668 | 187 | 16 | 922 |
| Wagon-jack | J. R. Angel | 214,607 | Apr. 22, 1879 | 1053 | 295 | 15 | 631 |

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|---|---|---|---|---|---|---|---|
| Wagon-jack | G. A. Bogart | 216, 645 | June 17, 1879 | 722 | 207 | 15 | 994 |
| Wagon-jack | J. B. Gillaspie | 212, 796 | Mar. 4, 1879 | 18 | 6 | 15 | 299 |
| Wagon-jack | H. B. Hart | 219, 089 | Sept. 2, 1879 | 38 | 12 | 16 | 417 |
| Wagon-jack | A. M. Jones | 218, 978 | Aug. 26, 1879 | 1029 | 290 | 16 | 389 |
| Wagon-jack | G. and L. N. Lakins | 212, 806 | Mar. 4, 1879 | 30 | 10 | 15 | 301 |
| Wagon-jack | J. Van Matre | 219, 785 | Sept. 16, 1879 | 831 | 230 | 16 | 536 |
| Wagon, Locomotive tram | H. A. Edwards | 219, 452 | Sept. 9, 1879 | 460 | 128 | 16 | 478 |
| Wagon platform-gear | C. E. Hagaman | 217, 094 | July 1, 1879 | 192 | 55 | 16 | 27 |
| Wagon, Platform spring | H. Halfpenny and E. B. Emmons | 222, 992 | Dec. 30, 1879 | 1031 | 295 | 16 | 1193 |
| Wagon-rack | W. T. Burrows | 217, 266 | July 8, 1879 | 384 | 113, 114 | 16 | 61 |
| Wagon-rack | G. W. Marsland and A. Hitchcock | 217, 390 | July 8, 1879 | 514 | 149 | 16 | 77 |
| Wagon-rack | J. McCallum | 222, 415 | Dec. 9, 1879 | 336 | 94 | 16 | 1065 |
| Wagon-rack | L. Talcott | 214, 471 | Apr. 15, 1879 | 875 | 246, 247 | 15 | 601 |
| Wagon-reaches, Rub-iron for | A. B. Webster | 213, 267 | Mar. 11, 1879 | 582 | 162 | 15 | 380 |
| Wagon, Road | J. L. Phillips | 216, 697 | June 17, 1879 | 780 | 223 | 15 | 1002 |
| Wagon, Road | C. W. Saladee | 213, 780 | Apr. 1, 1879 | 52 | 17 | 15 | 479 |
| Wagon, Road | C. W. Saladee | 217, 641 | July 15, 1879 | 805 | 229, 230 | 16 | 127 |
| Wagon, Road | C. W. Saladee | 217, 708 | July 22, 1879 | 901 | 257 | 16 | 149 |
| Wagon, Road | C. W. Saladee | 218, 690 | Aug. 19, 1879 | 682 | 193 | 16 | 332 |
| Wagon rub-iron | H. T. Lape | 218, 987 | Aug. 26, 1879 | 1039 | 293 | 16 | 391 |
| Wagon running-gear | R. W. Davis | 214, 633 | Apr. 22, 1879 | 1079 | 303 | 15 | 635 |
| Wagon running-gear | A. Coffers | 220, 219 | Oct. 7, 1879 | 8 | 2 | 16 | 636 |
| Wagon running-gear | J. C. Fowler | 217, 601 | July 15, 1879 | 765 | 217 | 16 | 122 |
| Wagon running-gear | D. Gibbens | 217, 276 | July 8, 1879 | 397 | 117 | 16 | 63 |
| Wagon running-gear | W. T. Gibson | 219, 457 | Sept. 9, 1879 | 467 | 129 | 16 | 479 |
| Wagon running-gear | L. D. Hurd | 216, 854 | June 24, 1879 | 978 | 278 | 15 | 1036 |
| Wagon running-gear | S. J. McDonald | 214, 421 | Apr. 15, 1879 | 828 | 232 | 15 | 594 |
| Wagon running-gear | L. Pulliam | 218, 898 | Aug. 26, 1879 | 948 | 266 | 16 | 378 |
| Wagon running-gear | B. C. Shaw | 216, 534 | June 17, 1879 | 605 | 171 | 15 | 978 |
| Wagon scoop-board | T. F. McGuire and J. Ditto | 216, 875 | June 24, 1879 | 997 | 283 | 15 | 1039 |
| Wagon-seat | J. Heymann and P. Kiehl | 211, 512 | Jan. 21, 1879 | 515 | 145 | 15 | 68 |
| Wagon-seat fastener | O. Oakes | 220, 544 | Oct. 14, 1879 | 384 | 100 | 16 | 695 |
| Wagon-seat support | W. P. Brown | 216, 147 | June 3, 1879 | 146 | 43 | 15 | 903 |
| Wagon, Side-bar | H. M. Curtis | 211, 499 | Jan. 21, 1879 | 494 | 140 | 15 | 66 |
| Wagon, Side-bar | J. O'Farrell | 212, 152 | Feb. 11, 1879 | 383 | 104 | 15 | 177 |
| Wagon, Side-bar | W. and C. R. Fenstermacher | 217, 734 | July 22, 1879 | 928 | 266 | 16 | 152 |
| Wagon-spring | L. Pulliam | 214, 584 | Apr. 22, 1879 | 1026 | 289 | 15 | 627 |
| Wagon, Spring road | D. H. Emery | 218, 372 | Aug. 12, 1879 | 309 | 84 | 16 | 272 |
| Wagon spring-seat | J. K. Cadwalader | 217, 199 | July 8, 1879 | 316 | 93 | 16 | 52 |
| Wagon-standard | L. W. Frederick | 214, 644 | Apr. 22, 1879 | 1088 | 305 | 15 | 636 |
| Wagon, Steam road | O. C. Harris | 222, 352 | Dec. 9, 1879 | 272 | 75, 76 | 16 | 1056 |
| Wagon tail-board catch | H. Havens | 222, 397 | Dec. 9, 1879 | 317 | 89 | 16 | 1063 |
| Wagons, Chute for coal | G. W. Rodenhausen | 212, 746 | Feb. 25, 1879 | 1078 | 299 | 15 | 281 |
| Wagons, Dump for elevating and unloading | E. D. Harrison | 213, 285 | Mar. 18, 1879 | 619 | 174 | 15 | 392 |
| Wagons, Spring-raiser for | C. C. Bishop | 215, 561 | May 20, 1879 | 686 | 201 | 15 | 804 |
| Waiter, Automatic table | W. Beeson | 219, 200 | Sept. 2, 1879 | 154 | 46 | 16 | 432 |
| Waiter for pitchers | J. W. Boteler | 220, 956 | Oct. 28, 1879 | 886 | 236 | 16 | 777 |
| Waiter, Hotel and restaurant | L. Garrigan | 216, 609 | June 17, 1879 | 688 | 197 | 15 | 990 |
| Waiter, Invalid | H. C. Eversole | 221, 800 | Nov. 18, 1879 | 779 | 217 | 16 | 936 |
| Waiter, Table | H. Smith | 214, 529 | Apr. 22, 1879 | 970 | 272 | 15 | 620 |
| Walking-machine, Passive-motion | L. H. Blend | 719, 439 | Sept. 9, 1879 | 448 | 125 | 16 | 477 |
| Wall and floor coverings, Applying metallic powders to. | A. Wohlfarth and C. Gartenfeld | 218, 102 | July 29, 1879 | 1341 | ..... | 16 | 213 |
| Wall-paper, Device for exhibiting | W. Hurd | 211, 237 | Jan. 7, 1879 | 174 | 51 | 15 | 23 |
| Wall-paper exhibitor | H. M. Collins | 212, 899 | Mar. 4, 1879 | 148 | 41 | 15 | 315 |
| Wall pendant and bracket | J. A. Pierce | 214, 583 | Apr. 22, 1879 | 1025 | 289 | 15 | 627 |
| Walls and ornaments, Composition for | J. B. King | 218, 538 | Aug. 12, 1879 | 502 | ..... | 16 | 299 |
| Wardrobe | L. S. Dewing | 217, 682 | July 22, 1879 | 873 | 249 | 16 | 145 |
| Wardrobe | S. B. Sherer | 217, 646 | July 15, 1879 | 809 | 231 | 16 | 127 |
| Wardrobe-hook | L. F. Ward | 216, 477 | June 10, 1879 | 534 | 153 | 15 | 960 |
| Warper | R. H. Plummer | 215, 239 | May 13, 1879 | 309 | 91 | 15 | 744 |
| Warping and beaming machines, Expanding-reed for. | T. C. Entwistle | 221, 799 | Nov. 18, 1879 | 778 | 217 | 16 | 936 |
| Warping-machines, Drop-wire for | W. Bancroft | 213, 608 | Mar. 25, 1879 | 959 | 272 | 15 | 445 |
| Wash bench or stand, Folding | M. S. Rawson | 221, 356 | Nov. 4, 1879 | 244 | 66 | 16 | 846 |
| Wash-board | S. J. Bradmon | 219, 064 | Sept. 2, 1879 | 7 | 3 | 16 | 413 |
| Wash-board | F. Freligh | 215, 905 | May 27, 1879 | 1074 | 312 | 15 | 862 |
| Wash-board | C. C. Gridley and C. W. Pratt | 218, 959 | Aug. 26, 1879 | 1006 | 283 | 16 | 387 |
| Wash-board | R. Grove | 216, 181 | June 3, 1879 | 182 | 54 | 15 | 908 |
| Wash-board | T. Kehoe | 215, 630 | May 20, 1879 | 766 | 224 | 15 | 814 |
| Wash-board | J. H. Lapham | 213, 290 | Mar. 18, 1879 | 624 | 176 | 15 | 393 |
| Wash-board | P. E. Rudel | 218, 319 | Aug. 5, 1879 | 234 | 63 | 16 | 252 |
| Wash-board | J. T. Sargent | 222, 536 | Dec. 9, 1879 | 480 | 136 | 16 | 1083 |
| Wash-board | F. M. Smith | 219, 026 | Aug. 26, 1879 | 1079 | 304 | 16 | 395 |
| Wash-board | H. S. Willis | 219, 053 | Aug. 26, 1879 | 1108 | 311 | 16 | 400 |
| Wash-boiler | F. J. Boyer | 212, 299 | Feb. 18, 1879 | 554 | 155 | 15 | 203 |
| Wash-boiler | W. Finley | 211, 465 | Jan. 21, 1879 | 460 | 130 | 15 | 62 |
| Wash-boiler | T. W. Kendall | 220, 388 | Oct. 7, 1879 | 200 | 54 | 16 | 662 |
| Wash-boiler | A. E. Mann | 214, 782 | Apr. 29, 1879 | 1256 | 351 | 15 | 664 |
| Wash-boiler | Z. McKinley | 217, 810 | July 22, 1879 | 1003 | 287 | 16 | 163 |
| Wash-boiler | J. O'Brien | 215, 657 | May 20, 1879 | 793 | 232 | 15 | 818 |
| Wash-boiler | O. Tilton | 211, 806 | Jan. 28, 1879 | 866 | 242 | 15 | 118 |
| Wash-boiler | M. A. Tinker | 218, 087 | July 29, 1879 | 1320 | 379 | 16 | 210 |
| Wash-boiler fountain | W. Barton | 222, 442 | Dec. 9, 1879 | 368 | 104 | 16 | 1069 |
| Wash-bowl, Adjustable | J. L. Knight and S. Smith | 220, 156 | Sept. 30, 1879 | 1271 | 349 | 16 | 614 |
| Wash-tub attachment | W. M. Stevens | 222, 846 | Dec. 23, 1879 | 861 | 248 | 16 | 1158 |
| Washer: | | | | | | | |
| *See* Bottle-washer. | Slate-washer. | | | | | | |
| Dish-washer. | Fire-tightening washer. | | | | | | |
| Gas-washer. | Tumbler-washer. | | | | | | |
| Gold-washer. | Window-washer. | | | | | | |
| Ore-washer. | | | | | | | |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. | | Official Gazette. | |
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| | | | | Spec. | Dr'g. | Vol. | Page. |
| Washer, Clothes | R. P. Lummis | 219,488 | Sept. 9, 1879 | 495 | 138 | 16 | 483 |
| Washer-cutter | R. J. Bartley | 217,505 | July 15, 1879 | 654 | 186 | 16 | 107 |
| Washing and bath tub | C. Koch | 211,856 | Feb. 4, 1879 | 41 | 13 | 15 | 131 |
| Washing and bath-tub | J. B. O. Shevill | 212,327 | Feb. 18, 1879 | 588 | 164 | 15 | 207 |
| Washing and beating skeins or hanks, Machine for | G. Morlot | 222,363 | Dec. 9, 1879 | 282 | 79 | 16 | 1057 |
| Washing and wringing machine, Combined | T. J. Baldwin | 222,438 | Dec. 9, 1879 | 364 | 103 | 16 | 1068 |
| Washing-machine | D. Aldrich | 215,425 | May 20, 1879 | 529 | 157 | 15 | 783 |
| Washing-machine | T. S. Anway | 213,086 | Mar. 11, 1879 | 385 | 107 | 15 | 354 |
| Washing-machine | R. Austin | 214,346 | Apr. 15, 1879 | 747 | 208 | 15 | 584 |
| Washing-machine | C. M. Bartholomew | 211,690 | Jan. 28, 1879 | 732 | 204 | 15 | 100 |
| Washing-machine | L. Becker | 217,979 | July 29, 1879 | 1200 | 344 | 16 | 195 |
| Washing-machine | E. O. Bennett | 211,215 | Jan. 7, 1879 | 148 | 45 | 15 | 29 |
| Washing-machine | W. F. Bethke | 219,201 | Sept. 2, 1879 | 155 | 47 | 16 | 432 |
| Washing-machine | W. P. Brooks | 222,236 | Dec. 2, 1879 | 142 | 35, 36 | 16 | 1028 |
| Washing-machine | B. F. Cady | 214,239 | Apr. 15, 1879 | 608 | 173 | 15 | 566 |
| Washing-machine | T. A. H. Cameron | 221,443 | Nov. 11, 1879 | 355 | 97 | 16 | 870 |
| Washing-machine | R. Campbell | 216,020 | June 3, 1879 | 16 | 4 | 15 | 886 |
| Washing-machine | R. Campbell | 222,623 | Dec. 16, 1879 | 602 | 171 | 16 | 1110 |
| Washing-machine | J. Carroll | 220,803 | Oct. 21, 1879 | 699 | 184 | 16 | 743 |
| Washing-machine | W. Church | 219,147 | Sept. 2, 1879 | 99 | 30 | 16 | 425 |
| Washing-machine | J. H. Craig | 218,717 | Aug. 19, 1879 | 710 | 202 | 16 | 336 |
| Washing-machine | J. C. Crawford | 211,497 | Jan. 21, 1879 | 492 | 139 | 15 | 66 |
| Washing-machine | J. M. Curtice | 211,381 | Jan. 14, 1879 | 364 | 105 | 15 | 47 |
| Washing-machine | C. A. Dodge | 211,382 | Jan. 14, 1879 | 365 | 105 | 15 | 47 |
| Washing-machine | W. A. Dolman | 215,588 | May 20, 1879 | 720 | 210 | 15 | 808 |
| Washing-machine | D. B. Dorsey | 222,472 | Dec. 9, 1879 | 415 | 117 | 16 | 1075 |
| Washing-machine | Z. Doyle | 218,242 | Aug. 5, 1879 | 157 | 42 | 16 | 241 |
| Washing-machine | J. W. Estes | 220,590 | Oct. 14, 1879 | 447 | 116 | 16 | 702 |
| Washing-machine | C. E. Fox | 218,955 | Aug. 26, 1879 | 1003 | 282 | 16 | 386 |
| Washing-machine | D. Fuller | 220,524 | Oct. 14, 1879 | 359 | 95 | 16 | 692 |
| Washing-machine | B. F. Fuchs | 219,245 | Sept. 2, 1879 | 220 | 63 | 16 | 440 |
| Washing-machine | W. Haas | 211,398 | Jan. 14, 1879 | 281 | 109 | 15 | 49 |
| Washing-machine | A. Hart | 214,386 | Apr. 15, 1879 | 793 | 222 | 15 | 590 |
| Washing-machine | M. L. Hawks | 220,714 | Oct. 21, 1879 | 591 | 157, 158 | 16 | 730 |
| Washing-machine | T. C. Histed | 218,970 | Aug. 26, 1879 | 1019 | 286 | 16 | 388 |
| Washing-machine | A. C. Horton | 213,989 | Apr. 8, 1879 | 294 | 85 | 15 | 519 |
| Washing-machine | C. P. Hosmer | 221,560 | Nov. 11, 1879 | 497 | 136 | 16 | 889 |
| Washing-machine | W. Hull and W. Miller | 220,620 | Oct. 14, 1879 | 474 | 125 | 16 | 707 |
| Washing-machine | E. L. Keys | 211,746 | Jan. 28, 1879 | 799 | 224 | 15 | 109 |
| Washing-machine | J. W. King | 219,486 | Sept. 9, 1879 | 494 | 137 | 16 | 483 |
| Washing-machine | D. Kunkel, sr | 217,737 | July 22, 1879 | 931 | 267 | 16 | 153 |
| Washing-machine | C. H. Lane, W. A. Hutchens, and J. McGrew. | 214,404 | Apr. 15, 1879 | 810 | 227 | 15 | 592 |
| Washing-machine | W. B. Le Norr | 214,827 | Apr. 29, 1879 | 1307 | 365 | 15 | 671 |
| Washing-machine | J. Lockwood and G. W. Bacon | 220,208 | Sept. 30, 1879 | 1335 | 368 | 16 | 623 |
| Washing-machine | T. E. Matthews | 217,700 | July 22, 1879 | 892 | 254 | 16 | 147 |
| Washing-machine | S. C. McCullough | 213,673 | Mar. 25, 1879 | 1033 | 293 | 15 | 455 |
| Washing-machine | P. C. McCune | 214,436 | Apr. 15, 1879 | 841 | 236 | 15 | 596 |
| Washing-machine | T. E. McDonald | 222,794 | Dec. 23, 1879 | 797 | 229 | 16 | 1149 |
| Washing-machine | D. D. McIntyre | 214,679 | Apr. 22, 1879 | 1127 | 316 | 15 | 640 |
| Washing-machine | J. Meck | 218,552 | Aug. 12, 1879 | 520 | 146 | 16 | 302 |
| Washing-machine | J. C. Merritt | 215,145 | May 6, 1879 | 193 | 55 | 15 | 725 |
| Washing-machine | J. P. Müller | 218,825 | Aug. 26, 1879 | 854 | 240 | 16 | 365 |
| Washing-machine | J. Myers | 218,050 | July 29, 1879 | 1280 | 366 | 16 | 205 |
| Washing-machine | G. W. Nichols | 214,437 | Apr. 15, 1879 | 842 | 237 | 15 | 597 |
| Washing-machine | J. W. Patterson | 212,496 | Feb. 18, 1879 | 790 | 219 | 15 | 234 |
| Washing-machine | C. Perkes | 217,900 | July 29, 1879 | 1119 | 320 | 16 | 184 |
| Washing-machine | H. C. Perry | 211,667 | Jan. 28, 1879 | 708 | 198 | 15 | 98 |
| Washing-machine | W. Price | 217,549 | July 15, 1879 | 699 | 200 | 16 | 114 |
| Washing-machine | C. P. Rood | 213,941 | Apr. 1, 1879 | 221 | 65 | 15 | 501 |
| Washing-machine | C. Schifferley | 214,320 | Apr. 15, 1879 | 715 | 200 | 15 | 580 |
| Washing-machine | J. Sharp and J. S. Brandt | 220,994 | Oct. 28, 1879 | 931 | 248 | 16 | 784 |
| Washing-machine | C. F. Sheppard | 217,554 | July 15, 1879 | 709 | 202 | 16 | 115 |
| Washing-machine | A. Shidel | 211,598 | Jan. 21, 1879 | 612 | 173 | 15 | 81 |
| Washing-machine | W. Sias | 219,534 | Sept. 9, 1879 | 543 | 152 | 16 | 490 |
| Washing-machine | J. W. Smith | 221,112 | Oct. 28, 1879 | 1061 | 281 | 16 | 801 |
| Washing-machine | S. M. Smith | 211,801 | Jan. 28, 1879 | 861 | 241 | 15 | 117 |
| Washing-machine | H. Smoot | 218,586 | Aug. 12, 1879 | 552 | 155 | 16 | 306 |
| Washing-machine | D. F. Stambaugh | 216,581 | June 17, 1879 | 658 | 187 | 15 | 985 |
| Washing-machine | N. A. Strömquist | 217,715 | July 22, 1879 | 907 | 259 | 16 | 150 |
| Washing-machine | M. Swan | 220,444 | Oct. 7, 1879 | 257 | 68, 69 | 16 | 670 |
| Washing-machine | C. Thompson, J. F. Petty, and J. D. Cohee. | 212,070 | Feb. 4, 1879 | 285 | 77 | 15 | 161 |
| Washing-machine | A. Walton | 220,738 | Oct. 21, 1879 | 618 | 165 | 16 | 734 |
| Washing-machine | R. A. Ward and R. J. Rogers | 211,198 | Jan. 7, 1879 | 132 | 41 | 15 | 18 |
| Washing-machine | D. Warnock | 220,739 | Oct. 21, 1879 | 619 | 165 | 16 | 734 |
| Washing-machine | J. W. Wheat | 218,098 | July 29, 1879 | 1334 | 383 | 16 | 212 |
| Washing-machine | W. F. Wilkins | 222,761 | Dec. 16, 1879 | 747 | 215 | 16 | 1131 |
| Washing-machine | B. J. Williams | 216,925 | June 24, 1879 | 1055 | 299 | 15 | 1046 |
| Washing-machine | G. L. Williams | 220,457 | Oct. 7, 1879 | 271 | 72 | 16 | 673 |
| Washing-machine, Boiler | J. C. Smith | 218,327 | Aug. 5, 1879 | 244 | 67 | 16 | 253 |
| Washing-machine gearing | L. H. Watson | 211,310 | Jan. 14, 1879 | 283 | 83, 84 | 15 | 37 |
| Washing-machine, Pounder | S. J. Anderson and P. W. Farley. | 220,329 | Oct. 7, 1879 | 133 | 36 | 16 | 653 |
| Washing-machine, Wool, &c | J. Petrie, jr | 218,770 | Aug. 19, 1879 | 766 | 217 | 16 | 343 |
| Waste and sewer pipes, Gas-check for | W. Wilson | 220,559 | Oct. 14, 1879 | 409 | 106 | 16 | 698 |
| Waste-pipe attachment | H. W. Atwater | 214,982 | May 6, 1879 | 3 | 1 | 15 | 703 |
| Waste-pipe cleaner, Hydraulic | E. J. Verrue | 221,483 | Nov. 11, 1879 | 405 | 110 | 16 | 876 |
| Waste-pipe connection for wash-basins, &c | G. E. Potter | 218,400 | Aug. 12, 1879 | 336 | 93 | 16 | 276 |
| Waste-pipe trap | W. W. Scarborough and W. S. Bates. | 217,243 | July 8, 1879 | 363 | 107 | 16 | 58 |
| Waste-pipes, Device for removing obstructions from | T. B. Armstead | 220,330 | Oct. 7, 1879 | 134 | 37 | 16 | 653 |
| Watch | R. Folsom | 218,009 | July 29, 1879 | 1236 | 354 | 16 | 199 |
| Watch and clock dials, Blank for | W. A. Wales | 216,917 | June 24, 1879 | 1047 | 297 | 15 | 1045 |
| Watch and clock key | C. E. Lombard | 211,918 | Feb. 4, 1879 | 112 | 32 | 15 | 140 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Watch and clock pinion | F. Lambert | 217, 291 | July 8, 1879 | 410 | 121 | 16 | 65 |
| Watch and clock safety-pinion | C. S. Moseley and A. Bitner | 218, 556 | Aug. 12, 1879 | 522 | 147 | 16 | 302 |
| Watch-barrel retaining-spring | W. N. Wilcox | 218, 206 | Aug. 5, 1879 | 116 | 31 | 16 | 236 |
| Watch, Calendar | B. Baillot | 212, 882 | Mar. 4, 1879 | 128 | 37 | 15 | 313 |
| Watch-case | A. Breese | 222, 235 | Dec. 2, 1879 | 141 | 35 | 16 | 1028 |
| Watch-case | C. K. Colby and R. A. Johnson | 221, 155 | Nov. 4, 1879 | 19 | 5 | 16 | 815 |
| Watch-case | G. W. Ladd | 213, 578 | Mar. 25, 1879 | 929 | 264 | 15 | 441 |
| Watch-case | E. C. Fitch | 214, 642 | Apr. 22, 1879 | 1087 | 305 | 15 | 636 |
| Watch-case bezels, Manufacture of | T. Mueller | 219, 593 | Sept. 16, 1879 | 612 | 171 | 16 | 567 |
| Watch-case centers, Device for manufacturing | T. Mueller | 219, 594 | Sept. 16, 1879 | 613 | 171 | 16 | 507 |
| Watch-case pendant | C. H. Bisson | 219, 675 | Sept. 16, 1879 | 715 | 198 | 16 | 520 |
| Watch-case spring | G. H. Banister | 218, 215 | Aug. 5, 1879 | 124 | 34 | 16 | 237 |
| Watch-cases, Attachment to stem-winder | J. Fortenbach | 211, 144 | Jan. 7, 1879 | 71 | 22 | 15 | 9 |
| Watch-chain | J. B. Peck | 214, 947 | Apr. 29, 1879 | 1431 | 398 | 15 | 688 |
| Watch-chain bar | R. F. Simmons | 215, 250 | May 13, 1879 | 321 | 95 | 15 | 746 |
| Watch-chain bar and pencil, Combined | L. W. Fairchild | 219, 081 | Sept. 2, 1879 | 27 | 8 | 16 | 416 |
| Watch-dial | D. A. A. Buck | 222, 658 | Dec. 16, 1879 | 643 | 184 | 16 | 1117 |
| Watch dust-caps, Regulator attachment for | S. G. Parker | 211, 584 | Jan. 21, 1879 | 597 | 168 | 15 | 79 |
| Watch-escapement | V. Bousset | 217, 326 | July 8, 1879 | 444 | 131 | 16 | 69 |
| Watch-key, Adjustable | M. L. Gutmann | 211, 992 | Feb. 4, 1879 | 192 | 54 | 15 | 151 |
| Watch-key, case-opener, and nail-cleaner, Combined | G. P. Reed | 211, 183 | Jan. 7, 1879 | 110 | 35 | 15 | 16 |
| Watch-key, Stem-winding | E. C. Fitch | 220, 916 | Oct. 28, 1879 | 827 | 221 | 16 | 770 |
| Watch-keys, Manufacture of | D. and F. L. Ellis | 211, 323 | Jan. 14, 1879 | 299 | 89 | 15 | 39 |
| Watch-movement box | H. J. Westen | 213, 365 | Mar. 18, 1879 | 701 | 196 | 15 | 404 |
| Watch-pendants, Manufacturing | T. Mueller | 219, 595 | Sept. 16, 1879 | 619 | 172 | 16 | 507 |
| Watch-regulator | A. Platt | 221, 606 | Nov. 11, 1879 | 542 | 150 | 16 | 897 |
| Watch, Self-winding | A. Von Loehr | 211, 280 | Jan. 7, 1879 | 220 | 64 | 15 | 28 |
| Watch-stem fastener | G. F. Dobiecki | 218, 502 | Aug. 12, 1879 | 461 | 129 | 16 | 293 |
| Watch, Stem-winding | P. H. Gontard | 220, 233 | Oct. 7, 1879 | 28 | 8 | 16 | 639 |
| Watch, Stem winding and setting | U. Oppliger | 213, 833 | Apr. 1, 1879 | 110 | 33 | 15 | 487 |
| Watch stem-winding attachment | D. A. A. Buck | 222, 657 | Dec. 16, 1879 | 642 | 184 | 16 | 1117 |
| Watch, Stop | U. A. Juvet | 213, 048 | Mar. 11, 1879 | 333 | 94 | 15 | 348 |
| Watch-winding attachment | S. H. Cate | 221, 666 | Nov. 18, 1879 | 611 | 171 | 16 | 914 |
| Watch-winding device | B. Wormelle | 216, 814 | June 24, 1879 | 929 | 265 | 15 | 1031 |
| Watch-winding device | W. H. Zinn and M. D. Porter | 218, 613 | Aug. 12, 1879 | 581 | 163 | 16 | 310 |
| Watches, Dial attachment for stem-winding | C. P. Corliss | 222, 460 | Dec. 9, 1879 | 395 | 113 | 16 | 1072 |
| Watches, Removable potance for | F. A. Earl | 220, 815 | Oct. 21, 1879 | 709 | 188 | 16 | 745 |
| Watches, Safety center-pinion for | G. W. Dickinson | 213, 550 | Mar. 25, 1879 | 897 | 256 | 15 | 437 |
| Watches, Safety center-pinion for | J. A. Smith | 217, 419 | July 8, 1879 | 546 | 157 | 16 | 81 |
| Watchman's detecter | G. H. Roth | 213, 072 | Mar. 11, 1879 | 362 | 102 | 15 | 352 |
| Watchman's detecter | G. H. Roth | 213, 135 | Mar. 11, 1879 | 440 | 122, 123 | 15 | 361 |
| Watchman's detecter | G. H. Roth | 213, 136 | Mar. 11, 1879 | 442 | 123 | 15 | 361 |
| Water, Apparatus for raising | G. H. Bennett | 221, 766 | Nov. 18, 1879 | 724 | 202 | 16 | 929 |
| Water-closet | H. H. Craigie | 216, 312 | June 10, 1879 | 344 | 101 | 15 | 935 |
| Water-closet | J. Crawford | 211, 226 | Jan. 7, 1879 | 164 | 49 | 15 | 22 |
| Water-closet | M. R. Fery | 219, 454 | Sept. 9, 1879 | 464 | 129 | 16 | 479 |
| Water-closet | S. S. Hellyer | 221, 064 | Oct. 28, 1879 | 1010 | 269 | 16 | 794 |
| Water-closet | F. Pohley | 213, 835 | Apr. 1, 1879 | 113 | 34 | 15 | 487 |
| Water-closet cistern | H. Houston | 221, 067 | Oct. 28, 1879 | 1014 | 269 | 16 | 794 |
| Water-closet cistern | W. Ross | 211, 260 | Jan. 7, 1879 | 197 | 58 | 15 | 26 |
| Water-closet cistern | J. M. Wilson | 214, 976 | Apr. 29, 1879 | 1461 | 406 | 15 | 692 |
| Water-closet cistern, Automatic | S. McKissock | 213, 920 | Apr. 1, 1879 | 203 | 59 | 15 | 498 |
| Water-closet cisterns, Valve for | J. Demarest | 212, 133 | Feb. 11, 1879 | 364 | 99 | 15 | 175 |
| Water-closet, Hopper | J. Demarest | 221, 217 | Nov. 4, 1879 | 85 | 22 | 16 | 824 |
| Water-closet hopper | J. M. Wilson | 220, 688 | Oct. 14, 1879 | 549 | 145 | 16 | 716 |
| Water-closet, Porcelain | R. H. Watson | 215, 495 | May 20, 1879 | 614 | 180 | 15 | 794 |
| Water-closet seats, Urine-guard for | D. Smith | 217, 163 | July 1, 1879 | 263 | 77 | 16 | 36 |
| Water-closet valve | J. Demarest | 213, 324 | Mar. 18, 1879 | 658 | 186 | 15 | 398 |
| Water-closet, &c., valve | T. Hennessy | 221, 816 | Nov. 18, 1879 | 795 | 221 | 16 | 938 |
| Water-closet, &c., valve | A. E. Jennings | 212, 764 | Feb. 25, 1879 | 1034 | 287 | 15 | 274 |
| Water-closet valve | P. White | 215, 701 | May 20, 1879 | 838 | 244, 245 | 15 | 824 |
| Water-closet valve mechanism | W. M. and J. Smeaton | 222, 088 | Nov. 25, 1879 | 1112 | 313 | 16 | 991 |
| Water-closet ventilation | J. Y. Slater | 214, 961 | Apr. 29, 1879 | 1446 | 402 | 15 | 689 |
| Water-closets, &c., Seal-joint for | A. Edwards | 222, 578 | Dec. 16, 1879 | 545 | 155 | 16 | 1103 |
| Water-closets, wash-basins, &c., Outlet for | A. G. Myers | 212, 730 | Feb. 25, 1879 | 1062 | 295 | 15 | 279 |
| Water-conductor | T. W. Irwin and G. K. Reber | 216, 188 | June 3, 1879 | 188 | 56 | 15 | 908 |
| Water-cooler | F. R. Lewis | 217, 738 | July 22, 1879 | 932 | 267 | 16 | 153 |
| Water-cooler | G. H. Mettee | 215, 016 | May 6, 1879 | 38 | 12 | 15 | 707 |
| Water-cooler | J. B. Quigley and W. Grayson | 213, 836 | Apr. 1, 1879 | 114 | 34 | 15 | 487 |
| Water-cooler and refrigerator, Combined | J. Walter | 218, 347 | Aug. 5, 1879 | 265 | 72 | 16 | 255 |
| Water drawing and filtering apparatus for cisterns, &c. | J. B. Lindsay | 222, 140 | Dec. 2, 1879 | 25 | 7 | 16 | 1012 |
| Water-elevating apparatus | G. J. Crikelair | 221, 722 | Nov. 18, 1879 | 678 | 189 | 16 | 923 |
| Water-elevating machine | A. J. Walker | 219, 787 | Sept. 16, 1879 | 833 | 230 | 16 | 537 |
| Water-elevator | J. C. Barrett | 221, 765 | Nov. 18, 1879 | 723 | 202 | 16 | 929 |
| Water-elevator | E. L. Browning | 222, 239 | Dec. 2, 1879 | 144 | 36 | 16 | 1028 |
| Water-elevator | R. M. Catlin | 221, 778 | Nov. 18, 1879 | 736 | 205 | 16 | 932 |
| Water-elevator | A. W. Coates | 213, 173 | Mar. 11, 1879 | 488 | 135 | 15 | 367 |
| Water-elevator | A. F. Humble | 214, 393 | Apr. 15, 1879 | 799 | 224 | 15 | 591 |
| Water-elevator | A. C. Jackman | 220, 844 | Oct. 21, 1879 | 741 | 197 | 16 | 749 |
| Water-elevator | T. Leininger | 222, 917 | Dec. 23, 1879 | 941 | 270 | 16 | 1170 |
| Water-elevator | D. D. Paine, W. Brighty, and A. E. Pulner. | 215, 660 | May 20, 1879 | 797 | 233 | 15 | 819 |
| Water-elevator | E. C. Plumer | 214, 444 | Apr. 15, 1879 | 850 | 239 | 15 | 598 |
| Water-elevator | S. S. Welday | 220, 045 | Sept. 30, 1879 | 1147 | 316 | 16 | 596 |
| Water-elevator bucket | S. W. Kershner | 212, 098 | Feb. 11, 1879 | 322 | 89 | 15 | 169 |
| Water-elevator bucket | C. S. Warner | 211, 812 | Jan. 28, 1879 | 872 | 244 | 15 | 118 |
| Water-elevator, Compressed-air | J. Patten | 211, 774 | Jan. 28, 1879 | 826 | 232 | 15 | 113 |
| Water-elevator, Pneumatic-pressure | A. H. Knapp | 220, 293 | Oct. 7, 1879 | 93 | 25 | 16 | 647 |
| Water-elevator, Steam | H. F. Colvin | 215, 324 | May 13, 1879 | 417 | 124 | 15 | 758 |
| Water-elevator, Steam | E. C. Plumer | 212, 978 | Mar. 4, 1879 | 244 | 67 | 15 | 328 |
| Water-engine | W. Shriver | 214, 461 | Apr. 15, 1879 | 864 | 243 | 15 | 600 |
| Water from rivers, Obtaining pure | H. O. Ames | 214, 343 | Apr. 15, 1879 | 740 | 207 | 15 | 584 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Water gage and alarm | O. Collier | 213,174 | Mar. 11, 1879 | 489 | 135 | 15 | 367 |
| Water-gate | P. S. Basnett | 222,809 | Dec. 23, 1879 | 814 | 233 | 16 | 1152 |
| Water-gate | D. T. Perkins | 217,954 | July 29, 1879 | 1177 | 337 | 16 | 192 |
| Water-heater | I. A. Powell | 218,313 | Aug. 5, 1879 | 229 | 62 | 16 | 251 |
| Water-heater and steam-generator | R. H. Elliott | 213,982 | Apr. 8, 1879 | 285 | 82 | 15 | 518 |
| Water indicator and alarm | A. S. Patton | 213,684 | Mar. 25, 1879 | 1044 | 297 | 15 | 456 |
| Water-lifter | A. Collie | 217,775 | July 22, 1879 | 964 | 276, 277 | 16 | 157 |
| Water-lifter | L. B. Lawrence and A. G. Strawbridge. | 215,525 | May 20, 1879 | 645 | 188 | 15 | 798 |
| Water-lifter | L. B. Lawrence and A. G. Strawbridge. | 215,639 | May 20, 1879 | 775 | 227 | 15 | 816 |
| Water-mains, Combined sleeve and clamp for repairing. | J. M. Atkinson | 219,339 | Sept. 9, 1879 | 335 | 95 | 16 | 463 |
| Water-meter | J. H. Coombs | 221,783 | Nov. 18, 1879 | 741 | 207 | 16 | 932 |
| Water-meter | T. Moriarty | 222,299 | Dec. 2, 1879 | 205 | 54 | 16 | 1037 |
| Water-meter | M. Stannard, J. R. Reynolds, and J. S. Curtis. | 222,607 | Dec. 16, 1879 | 581 | 166 | 16 | 1107 |
| Water-meter, Oscillating | S. T. Sanford | 213,944 | Apr. 1, 1879 | 223 | 66 | 15 | 501 |
| Water-meter, Piston | F. S. Baldwin | 211,686 | Jan. 28, 1879 | 727 | 203 | 15 | 100 |
| Water-meter, Piston | C. C. Barton and J. B. West | 221,147 | Nov. 4, 1879 | 8 | 2 | 16 | 813 |
| Water-meter, Piston | A. C. Blount and E. D. Gilbert | 211,493 | Jan. 21, 1879 | 488 | 138 | 15 | 65 |
| Water-meter, Rotary | M. J. Hinden | 211,572 | Jan. 21, 1879 | 582 | 164 | 15 | 77 |
| Water-meter, Rotary | H. J. King | 213,665 | Mar. 25, 1879 | 1024 | 291 | 15 | 454 |
| Water-meter, Rotary | L. H. Nash | 211,582 | Jan. 21, 1879 | 590 | 167, 168 | 15 | 79 |
| Water-meter, Rotary | L. H. Nash | 211,769 | Jan. 28, 1879 | 818 | 230 | 15 | 112 |
| Water-meter, Rotary | E. C. Terry | 216,360 | June 10, 1879 | 405 | 116, 117 | 15 | 943 |
| Water-meters, Diaphragm for | W. B. Mounteney | 212,488 | Feb. 18, 1879 | 782 | 216 | 15 | 233 |
| Water, Method and apparatus for detecting the rate of consumption of. | B. S. Church | 221,521 | Nov. 11, 1879 | 450 | 122, 123 | 16 | 883 |
| Water-motor | W. F. Eyster | 221,225 | Nov. 4, 1879 | 94 | 24 | 16 | 825 |
| Water-motor | W. R. Fox | 213,885 | Apr. 1, 1879 | 168 | 49 | 15 | 494 |
| Water-pipe | J. F. C. Rider | 215,481 | May 20, 1879 | 597 | 175 | 15 | 792 |
| Water-proof fabric | C. S. Francis | 217,604 | July 15, 1879 | 767 | ..... | 16 | 122 |
| Water purifier and elevator | T. T. Bishop | 216,823 | June 24, 1879 | 941 | 268 | 15 | 1032 |
| Water-spout | M. Wieand | 222,645 | Dec. 16, 1879 | 633 | 181 | 16 | 1115 |
| Water-supply system for cities, &c | N. W. Green | 218,875 | Aug. 26, 1879 | 921 | 258 | 16 | 374 |
| Water-tank | P. Bardon | 211,647 | Jan. 28, 1879 | 685 | 192 | 15 | 94 |
| Water-tank, Railway | J. D. Craig | 220,580 | Oct. 14, 1879 | 435 | 112 | 16 | 701 |
| Water-tanks, Watering-column for railway | J. N. Poage | 217,817 | July 22, 1879 | 1012 | 290, 291 | 16 | 164 |
| Water-tight coupling for goose-necks, Flexible | T. J. McGowan | 222,195 | Dec. 2, 1879 | 90 | 22 | 16 | 1021 |
| Water to buildings, Valve of tanks for supplying | J. H. Rhodes | 214,451 | Apr. 15, 1879 | 856 | 241 | 15 | 599 |
| Water to tanks, Machinery for regulating the supply of. | K. and D. L. Murchison | 213,058 | Mar. 11, 1879 | 244 | 97 | 15 | 349 |
| Water-trough for hogs | J. F. Elliott | 217,080 | July 1, 1879 | 176 | 51 | 16 | 24 |
| Waterway for street-washers and houses | M. A. Penn | 218,576 | Aug. 12, 1879 | 532 | 150 | 16 | 303 |
| Water-wheel | W. B. Albred | 222,566 | Dec. 16, 1879 | 531 | 151 | 16 | 1101 |
| Water-wheel | D. H. Anderson | 220,212 | Oct. 7, 1879 | 1 | 1 | 16 | 635 |
| Water-wheel | W. C. Bates | 217,977 | July 29, 1879 | 1199 | 344 | 16 | 195 |
| Water-wheel | J. L. Beers | 212,646 | Feb. 25, 1879 | 979 | 271, 272 | 15 | 267 |
| Water-wheel | A. Burwell | 212,186 | Feb. 11, 1879 | 426 | 117 | 15 | 183 |
| Water-wheel | M. Carleton | 218,858 | Aug. 26, 1879 | 901 | 251, 252 | 16 | 371 |
| Water-wheel | A. B. Couch | 216,382 | June 10, 1879 | 432 | 123 | 15 | 947 |
| Water-wheel | J. A. Davis | 219,348 | Sept. 9, 1879 | 344 | 98 | 16 | 464 |
| Water-wheel | J. Ebersole | 214,634 | Apr. 22, 1879 | 1080 | 303 | 15 | 635 |
| Water-wheel | C. E. Marshall | 212,560 | Mar. 4, 1879 | 224 | 62 | 15 | 325 |
| Water-wheel | S. M. Smith | 223,179 | Dec. 30, 1879 | 1239 | 351 | 16 | 1221 |
| Water-wheel and gate | J. C. Montgomery | 219,291 | Sept. 2, 1879 | 268 | 76 | 16 | 445 |
| Water-wheel curb | W. R. Calkins | 215,262 | May 13, 1879 | 341 | 99 | 15 | 749 |
| Water-wheel, Current | J. J. Collins | 222,457 | Dec. 9, 1879 | 386 | 110 | 16 | 1071 |
| Water-wheel gate | J. S. Meberg | 212,148 | Feb. 11, 1879 | 380 | 103 | 15 | 177 |
| Water wheel gate, Turbine | A. Moessinger and W. Heathcote | 218,301 | Aug. 5, 1879 | 215 | 58 | 16 | 249 |
| Water-wheel, Turbine | A. Ball | 211,829 | Feb. 4, 1879 | 2 | 1 | 15 | 127 |
| Water-wheel, Turbine | J. C. Clime | 213,624 | Mar. 25, 1879 | 977 | 277 | 15 | 447 |
| Water-wheel, Turbine | J. C. Clime | 213,625 | Mar. 25, 1879 | 979 | 277, 278 | 15 | 447 |
| Water-wheel, Turbine | J. C. Clime | 214,813 | Apr. 29, 1879 | 1294 | 362 | 15 | 670 |
| Water-wheel, Turbine | S. Goutner | 214,904 | Apr. 29, 1879 | 1389 | 387 | 15 | 682 |
| Water-wheel, Turbine | A. J. Hopewell | 214,660 | Apr. 22, 1879 | 1106 | 310 | 15 | 638 |
| Water-wheel, Turbine | F. M. Kent | 216,860 | June 24, 1879 | 984 | 279 | 15 | 1037 |
| Water-wheel, Turbine | I. Mallery | 218,295 | Aug. 5, 1879 | 209 | 56 | 16 | 249 |
| Water-wheel, Turbine | J. McLucas | 213,921 | Apr. 1, 1879 | 204 | 59 | 15 | 499 |
| Water-wheel, Turbine | J. S. Rechard | 220,034 | Sept. 30, 1879 | 1125 | 311 | 16 | 594 |
| Water-wheel, Turbine | J. T. Wilder | 213,080 | Mar. 11, 1879 | 370 | 104, 105 | 15 | 353 |
| Water-works | P. B. Perkins | 218,057 | July 29, 1879 | 1289 | 369 | 16 | 206 |
| Watering cattle, Apparatus for | T. Leininger | 222,916 | Dec. 23, 1879 | 940 | 270 | 16 | 1170 |
| Watering stock, Apparatus for | P. Rausch | 220,423 | Oct. 7, 1879 | 236 | 63 | 16 | 667 |
| Watering stock, Device for | J. S. Campbell | 221,031 | Oct. 28, 1879 | 974 | 259 | 16 | 789 |
| Watering stock, Device for | W. T. Landreth and R. Garnett | 220,848 | Oct. 21, 1879 | 743 | 198 | 16 | 749 |
| Wave-power for propelling vessels | J. B. Greene | 212,847 | Mar. 4, 1879 | 75 | 22 | 15 | 307 |
| Weather-board gage | J. Allison | 216,252 | June 10, 1879 | 273 | 81 | 15 | 927 |
| Weather-board gage | J. D. Hobbs | 221,732 | Nov. 18, 1879 | 689 | 192 | 16 | 925 |
| Weather-guard for window-frames | H. S. Moulton | 219,823 | Sept. 23, 1879 | 893 | 246 | 16 | 554 |
| Weather-strip | R. P. Baldwin | 211,315 | Jan. 14, 1879 | 291 | 86 | 15 | 38 |
| Weather-strip | J. V. Beavers | 217,573 | July 15, 1879 | 729 | 208 | 16 | 117 |
| Weather-strip | I. Bennett | 215,865 | May 27, 1879 | 1033 | 301 | 15 | 857 |
| Weather-strip | Z. C. Browning and J. F. Hay | 217,262 | July 8, 1879 | 380 | 112 | 16 | 61 |
| Weather-strip | P. W. Cassil | 221,519 | Nov. 11, 1879 | 447 | 121 | 16 | 882 |
| Weather-strip | H. B. Davis | 211,228 | Jan. 7, 1879 | 166 | 49 | 15 | 22 |

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|---|---|---|---|---|---|---|---|
| Weather-strip | R. W. Davis | 217, 998 | July 29, 1879 | 1225 | 350, 351 | 16 | 198 |
| Weather-strip | J. W. Flesher and W. M. Gilman | 220, 228 | Oct. 7, 1879 | 20 | 6 | 16 | 637 |
| Weather-strip | W. P. French | 218, 870 | Aug. 26, 1879 | 913 | 255 | 16 | 373 |
| Weather-strip | J. C. Gibson | 221, 454 | Nov. 11, 1879 | 364 | 100 | 16 | 871 |
| Weather-strip | M. Herrens | 220, 833 | Oct. 21, 1879 | 729 | 194 | 16 | 747 |
| Weather-strip | H. L. Hyre | 215, 750 | May 27, 1879 | 894 | 262 | 15 | 840 |
| Weather-strip | W. D. McKinney | 219, 822 | Sept. 23, 1879 | 892 | 246 | 16 | 554 |
| Weather-strip | M. S. Millard and J. G. Chase | 211, 418 | Jan. 14, 1879 | 404 | 115 | 15 | 52 |
| Weather-strip | C. M. Packer | 211, 254 | Jan. 7, 1879 | 190 | 55 | 15 | 25 |
| Weather-strip | S. Roebuck | 221, 614 | Nov. 11, 1879 | 550 | 152 | 16 | 898 |
| Weather-strip | N. Rowen and M. D. Miller | 214, 198 | Apr. 8, 1879 | 540 | 154 | 15 | 549 |
| Weather-strip | L. Scully | 214, 715 | Apr. 22, 1879 | 1166 | 328 | 15 | 645 |
| Weather-strip | W. St. Charles | 222, 095 | Nov. 25, 1879 | 1127 | 317 | 16 | 993 |
| Weather-strip for doors | A. E. Gilinan | 216, 034 | June 3, 1879 | 32 | 9 | 15 | 889 |
| Weather-vane | E. S. Turner | 215, 028 | May 6, 1879 | 52 | 15 | 15 | 709 |
| Weaver's reed, Expansible | E. Adamson | 212, 120 | Feb. 11, 1879 | 349 | 95 | 15 | 172 |
| Weaving tubular fabrics, Temple for | G. F. Simon | 218, 074 | July 29, 1879 | 1304 | 373 | 16 | 209 |
| Wedge for splitting logs | L. F. Johnston | 212, 230 | Feb. 11, 1879 | 469 | 129 | 15 | 188 |
| Weed-turner | J. G. Cates | 222, 011 | Nov. 25, 1879 | 1027 | 287 | 16 | 979 |
| Weed-turner | J. Sherrill | 218, 071 | July 29, 1879 | 1301 | 373 | 16 | 208 |
| Weeder or scraper | P. O. Lecq | 221, 684 | Nov. 18, 1879 | 633 | 177 | 16 | 917 |
| Weeding-tool, Hand | H. White | 220, 102 | Sept. 30, 1879 | 1217 | 335 | 16 | 607 |
| Weft-fork | W. B. Bisbee | 218, 221 | Aug. 5, 1879 | 129 | 35 | 16 | 238 |
| Weft-fork | B. C. Brainard | 211, 217 | Jan. 7, 1879 | 151 | 45 | 15 | 21 |
| Weigher and register, Automatic grain | W. H. Allen | 216, 929 | July 1, 1879 | 1 | 1 | 16 | 3 |
| Weigher, Automatic liquid | L. N. Watts | 217, 657 | July 15, 1879 | 823 | 235 | 16 | 129 |
| Weighing apparatus | C. A. Holcombe | 214, 915 | Apr. 29, 1879 | 1402 | 389 | 15 | 683 |
| Weighing apparatus | C. Jensen | 221, 826 | Nov. 18, 1879 | 804 | 224 | 16 | 940 |
| Weighing-machine, Automatic | J. R. Williams | 214, 014 | Apr. 8, 1879 | 320 | 92, 93 | 15 | 523 |
| Weight-meter | H. C. Forney | 219, 707 | Sept. 16, 1879 | 749 | 207 | 16 | 525 |
| Weir or caisson, Floating | K. Möller | 215, 148 | May 6, 1879 | 196 | 55, 56 | 15 | 726 |
| Well bars, Union-joint for artesian | F. H. Kurczyn | 222, 914 | Dec. 23, 1879 | 938 | 269 | 16 | 1170 |
| Well, Bored and driven | J. F. Philow and P. C. Perkins | 215, 238 | May 13, 1879 | 308 | 91 | 15 | 744 |
| Well cup, Oil | P. E. Jenks | 214, 919 | Apr. 29, 1879 | 1406 | 390 | 15 | 684 |
| Well digging and curbing | C. C. Hackett | 220, 140 | Sept. 30, 1879 | 1255 | 345 | 16 | 612 |
| Well point, Drive | A. Wilson | 218, 910 | Aug. 26, 1879 | 959 | 269 | 16 | 380 |
| Well rig, Oil | G. Corbett | 216, 259 | June 10, 1879 | 279 | 83 | 15 | 927 |
| Well-tube and device for inserting the same | W. H. Burgess | 220, 572 | Oct. 14, 1879 | 424 | 110 | 16 | 700 |
| Wells, Automatic pipe-holder for artesian and other | T. C. Little | 213, 670 | Mar. 25, 1879 | 1030 | 293 | 15 | 454 |
| Wells, Casing-head cap for oil and other | W. R. Edelen | 221, 162 | Nov. 4, 1879 | 28 | 7, 8 | 16 | 816 |
| Wells, Check for oil | J. Neath | 218, 052 | July 29, 1879 | 1282 | 367 | 16 | 205 |
| Wells, Clamp for elevating tubing in oil | G. W. Fair | 221, 958 | Nov. 25, 1879 | 976 | 273 | 16 | 972 |
| Wells, Clamp for polish-rods of oil | C. Sickels | 216, 112 | June 3, 1879 | 108 | 32 | 15 | 898 |
| Wells, Device for drilling | A. M. Comstock | 213, 626 | Mar. 25, 1879 | 980 | 278 | 15 | 447 |
| Wells, Device for extracting or splitting the tubular casings of oil. | H. Harris | 220, 476 | Oct. 14, 1879 | 305 | 81 | 16 | 685 |
| Wells, Device for increasing the production of oil | B. F, Collins | 216, 658 | June 17, 1879 | 735 | 210 | 15 | 996 |
| Wells, Device for lowering and hoisting earthen tubes in bored. | I. Hoover | 222, 784 | Dec. 23, 1879 | 788 | 226 | 16 | 1148 |
| Wells, Device for supporting tubing or pipes in oil. | W. R. Edelen | 221, 673 | Nov. 18, 1879 | 619 | 174 | 16 | 916 |
| Wells, Earth drilling and boring machine for artesian and other. | A. V. Y. Castropol | 221, 520 | Nov. 11, 1879 | 447 | 121, 122 | 16 | 882 |
| Wells, Implement for grappling, withdrawing, and perforating pipes and tubes in artesian. | B. F. Mull | 220, 542 | Oct. 14, 1879 | 382 | 99 | 16 | 694 |
| Wells, Increasing the productiveness of oil | O. L. Mather | 214, 049 | Apr. 8, 1879 | 371 | 105 | 15 | 528 |
| Wells, Piston-rod adjuster for oil | D. J. Hurley | 211, 471 | Jan. 21, 1879 | 465 | 132 | 15 | 63 |
| Wells, Polish-rod adjuster for artesian and other | O. B. Wickham | 222, 336 | Dec. 2, 1879 | 246 | 67 | 16 | 1043 |
| Wells, Regulating the flow of oil | S. S. Spencer | 216, 064 | June 3, 1879 | 63 | 17 | 15 | 893 |
| Wells, Rod-adjuster for oil | J. Holly | 218, 027 | July 29, 1879 | 1257 | 359 | 16 | 202 |
| Wells, Rod-coupling for oil | Z. McGinnis | 213, 919 | Apr. 1, 1879 | 202 | 59 | 15 | 498 |
| Wells, Sucker-rod socket for oil and other | J. H. Bair | 212, 831 | Mar. 4, 1879 | 59 | 18 | 15 | 305 |
| Wells, Temper-screw for oil and other | W. H. Downing | 215, 589 | May 20, 1879 | 721 | 211 | 15 | 808 |
| Wells, Tube-clamp for oil | I. N. Hinderliter | 215, 001 | May 6, 1879 | 21 | 8 | 15 | 705 |
| Wells, Tubing | R. Mikkelsen | 213, 520 | Mar. 25, 1879 | 859 | 245 | 15 | 433 |
| Wells, Tubing-clamp and elevator for oil | W. R. Edelen | 221, 161 | Nov. 4, 1879 | 26 | 7 | 16 | 816 |
| Wells, &c., Driving hollow metal piles for tube | A. Le Grand and R. Sutcliff | 216, 042 | June 3, 1879 | 40 | 11 | 15 | 890 |
| Wharf | S. Howell | 216, 412 | June 10, 1879 | 462 | 132 | 15 | 950 |
| Wheat-heater | S. M. Braden | 217, 923 | July 29, 1879 | 1146 | 327 | 16 | 188 |
| Wheat-heater | P. B. Hunt | 214, 147 | Apr. 8, 1879 | 492 | 139 | 15 | 542 |
| Wheat-heater | M. L. Mewrer | 222, 721 | Dec. 16, 1879 | 709 | 204 | 16 | 1127 |
| Wheat-heater | B. W. Shaw | 219, 599 | Sept. 16, 1879 | 619 | 173 | 16 | 508 |
| Wheat-heater | J. E. Welch | 218, 352 | Aug. 5, 1879 | 270 | 73 | 16 | 256 |
| Wheel: *See* Balance-wheel. Brush-wheel. Car-wheel. Driving-wheel. Elevating or draining wheel. Fifth-wheel. Fly-wheel. Gear-wheel. Grinding and polishing wheel. Paddle-wheel. Toy wind-wheel. Traction-engine wheel. Turbine wheel. Vehicle-wheel. Water-wheel. Wind-wheel. | | | | | | | |
| Wheel-clamp | S. W. Gear | 212, 549 | Feb. 25, 1879 | 876 | 242 | 15 | 253 |
| Wheel-fastener | D. Falb | 222, 884 | Dec. 23, 1879 | 901 | 260 | 16 | 1164 |
| Wheel-rake, Revolving-head | G. E. Robison | 219, 979 | Sept. 23, 1879 | 1057 | 293 | 16 | 577 |
| Wheel-supporting device, Automatic idle | E. D. Olin | 215, 154 | May 6, 1879 | 201 | 58 | 15 | 727 |
| Wheelbarrow | J. Bean | 217, 978 | July 29, 1879 | 1199 | 344 | 16 | 195 |
| Wheelbarrow | H. Clark | 216, 999 | July 1, 1879 | 76 | 23 | 16 | 12 |
| Wheelbarrow | T. Dolan | 217, 864 | July 29, 1879 | 1077 | 309 | 16 | 179 |
| Wheelbarrow, Metallic | J. Bean | 211, 373 | Jan. 14, 1879 | 354 | 103 | 15 | 46 |
| Whetstone-holder | C. M. Currier | 220, 914 | Oct. 28, 1879 | 826 | 221 | 16 | 770 |
| Whiffletree | N. W. Brewer | 216, 648 | June 17, 1879 | 725 | 208 | 15 | 995 |
| Whiffletree | J. A. Chase | 216, 656 | June 17, 1879 | 734 | 210 | 15 | 996 |

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| Whiffletree | D. Foley | 215,111 | May 6,1879 | 153 | 43 | 15 | 721 |
| Whiffletree | A. Hance | 211,399 | Jan. 14,1879 | 382 | 109 | 15 | 49 |
| Whiffletree | T. S. Hill | 213,198 | Mar. 11,1879 | 511 | 142 | 15 | 370 |
| Whiffletree | S. Loomer | 215,008 | May 6,1879 | 29 | 10 | 15 | 706 |
| Whiffletree | D. R. McClure | 218,305 | Aug. 5,1879 | 220 | 59 | 16 | 250 |
| Whiffletree | S. Palmatier | 218,309 | Aug. 5,1879 | 226 | 61 | 16 | 251 |
| Whiffletree | W. V. Wallace | 216,069 | June 3,1879 | 68 | 19 | 15 | 893 |
| Whiffletree | F. R. Willson, sr | 212,639 | Feb. 25,1879 | 973 | 269 | 15 | 266 |
| Whiffletree center-plate | H. K. Porter | 216,454 | June 10,1879 | 513 | 146 | 15 | 957 |
| Whiffletree-clip | J. H. Harford | 220,238 | Oct. 7,1879 | 33 | 9 | 16 | 639 |
| Whiffletree-clip, Spring | W. H. Cullers | 219,919 | Sept. 23,1879 | 992 | 276 | 16 | 563 |
| Whiffletree-coupling | H. K. Porter | 220,494 | Oct. 14,1879 | 325 | 86 | 16 | 687 |
| Whiffletree-coupling | H. K. Porter | 221,471 | Nov. 11,1879 | 390 | 107 | 16 | 874 |
| Whiffletree-hook | W. L. Belt | 222,651 | Dec. 16,1879 | 637 | 182 | 16 | 1116 |
| Whiffletree-hook | W. L. B. and J. J. Cushing | 216,727 | June 24,1879 | 828 | 236 | 15 | 1018 |
| Whiffletree-hook | Z. M. Hibbard | 220,836 | Oct. 21,1879 | 732 | 194 | 16 | 747 |
| Whiffletree-hook | G. W. Jackman | 213,201 | Mar. 11,1879 | 513 | 143 | 15 | 371 |
| Whiffletree-hook | A. Smith | 212,276 | Feb. 11,1879 | 520 | 144 | 15 | 195 |
| Whiffletree-plate | H. Keyes | 212,803 | Mar. 4,1879 | 29 | 9 | 15 | 301 |
| Whiffletree, Spring | J. Hill | 217,375 | July 8,1879 | 501 | 145 | 16 | 76 |
| Whiffletree, Spring | T. Maitland | 214,674 | Apr. 22,1879 | 1123 | 314 | 15 | 640 |
| Whip | J. E. Curtis | 221,724 | Nov. 18,1879 | 681 | 190 | 16 | 924 |
| Whip-lashes, Fastening | J. I. Fowler | 221,226 | Nov. 4,1879 | 95 | 25 | 16 | 825 |
| Whip-rolling machine | O. Bryant | 212,891 | Mar. 4,1879 | 140 | 39 | 15 | 314 |
| Whip-rounding machine | H. Lombard | 214,257 | Apr. 15,1879 | 634 | 178 | 15 | 570 |
| Whip-socket | E. Chamberlin | 222,867 | Dec. 23,1879 | 884 | 254 | 16 | 1161 |
| Whip-socket | E. E. Hawkins | 214,131 | Apr. 8,1879 | 477 | 136 | 15 | 540 |
| Whip-socket | J. Lowth | 216,523 | June 17,1879 | 596 | 168 | 15 | 977 |
| Whip-socket | O. B. North | 213,238 | Mar. 11,1879 | 551 | 153 | 15 | 376 |
| Whip-socket | E. W. Scott | 213,137 | Mar. 11,1879 | 445 | 123 | 15 | 362 |
| Whip-socket | H. W. C. Thomas | 212,119 | Feb. 11,1879 | 348 | 95 | 15 | 172 |
| Whip-socket | J. M. Underwood | 221,482 | Nov. 11,1879 | 404 | 110 | 16 | 876 |
| Whip-socket attachment to brake-locks | S. S. Hurlbut | 218,383 | Aug. 12,1879 | 321 | 88 | 16 | 274 |
| Whip-socket fastener | H. W. C. Thomas | 220,000 | Sept. 23,1879 | 1078 | 299 | 16 | 580 |
| Whips, Manufacturing | W. H. Jones | 219,955 | Sept. 23,1879 | 1031 | 287 | 16 | 573 |
| Whirligig | H. V. Hartz | 215,000 | May 6,1879 | 20 | 7 | 15 | 705 |
| Whistle for steam-engines, Alarm | J. A. and S. E. Pelphrey | 214,186 | Apr. 8,1879 | 530 | 151 | 15 | 547 |
| Whistle, Steam | J. B. Barnes | 217,851 | July 29,1879 | 1063 | 305 | 16 | 177 |
| Whistle, Steam | F. A. Wood | 213,272 | Mar. 11,1879 | 586 | 163 | 15 | 380 |
| Wick-tip, Mineral | J. T. Shuster | 217,417 | July 8,1879 | 542 | 156 | 16 | 81 |
| Wick-trimmer | D. L. Andrews | 211,209 | Jan. 7,1879 | 143 | 43 | 15 | 20 |
| Wick-trimmer | A. Blanchard | 223,027 | Dec. 30,1879 | 1069 | 305 | 16 | 1198 |
| Wick-tube | W. O. Lincoln | 218,037 | July 29,1879 | 1270 | 363 | 16 | 204 |
| Willow for the manufacture of wicker-work, Treating. | A. H. Crawford | 211,888 | Feb. 4,1879 | 74 | 22 | 15 | 135 |
| Willow-withes, Machine for splitting and shaving | J. Popping | 222,305 | Dec. 2,1879 | 209 | 55 | 16 | 1038 |
| Windlass and derrick for boring artesian and other wells. | B. F. Mull | 220,408 | Oct. 7,1879 | 220 | 59 | 16 | 665 |
| Wind-engine | M. D. Cummins | 221,788 | Nov. 18,1879 | 751 | 210 | 16 | 933 |
| Wind-engine | J. Hemp | 217,285 | July 8,1879 | 405 | 119 | 16 | 64 |
| Wind-engine | N. Holmes | 213,988 | Apr. 8,1879 | 292 | 84, 85 | 15 | 519 |
| Wind-engine | J. W Kelsey | 215,753 | May 27,1879 | 897 | 263 | 15 | 840 |
| Wind-engine | J. Kennedy, jr | 218,182 | Aug. 5,1879 | 90 | 23, 24 | 16 | 233 |
| Wind-engine | L. King | 212,709 | Feb. 25,1879 | 1039 | 288 | 15 | 275 |
| Wind-engine | L. G. Kregel | 215,636 | May 20,1879 | 771 | 226 | 15 | 815 |
| Wind-engine | J. C. Knempel | 212,236 | Feb. 11,1879 | 476 | 131, 132 | 15 | 189 |
| Wind-engine | S. Lane | 222,411 | Dec. 9,1879 | 331 | 93 | 16 | 1064 |
| Wind-engine | S. T. Russell | 214,844 | Apr. 29,1879 | 1330 | 370 | 15 | 674 |
| Wind-engine | J. Steiner | 221,370 | Nov. 4,1879 | 259 | 70 | 16 | 848 |
| Wind-motor | B. T. Babbitt | 219,893 | Sept. 23,1879 | 960 | 266 | 16 | 563 |
| Wind-motor | B. T. Babbitt | 219,894 | Sept. 23,1879 | 961 | 266 | 16 | 563 |
| Wind-motor | B. T. Babbitt | 219,895 | Sept. 23,1879 | 962 | 266 | 16 | 563 |
| Wind-wheel | S. E. Alden | 215,035 | May 6,1879 | 57 | 17 | 15 | 709 |
| Wind-wheel | J. A. Creasey | 217,070 | July 1,1879 | 160 | 47 | 16 | 23 |
| Wind-wheel | F. W. Ingham | 212,008 | Feb. 4,1879 | 211 | 59 | 15 | 153 |
| Wind-wheel | M. C. Jackson | 218,977 | Aug. 26,1879 | 1028 | 289 | 16 | 389 |
| Wind-wheel | C. Lohnes | 217,125 | July 1,1879 | 223 | 64 | 16 | 31 |
| Wind-wheel | J. Longyear and D. W. Clark | 222,515 | Dec 9,1879 | 455 | 130 | 16 | 1080 |
| Wind-wheel | J. Lowry and D. Hunt | 219,746 | Sept. 16,1879 | 785 | 217 | 16 | 530 |
| Wind-wheel | J. T. Mider and J. T. McClelland. | 212,249 | Feb. 11,1879 | 489 | 135 | 15 | 191 |
| Wind-wheel | H. B. Myers | 222,072 | Nov. 25,1879 | 1095 | 307 | 16 | 989 |
| Wind-wheel | G. Schweizer | 213,781 | Apr. 1,1879 | 53 | 17 | 15 | 480 |
| Wind-wheel | C. V. Stevens | 212,822 | Mar. 4,1879 | 47 | 15 | 15 | 303 |
| Wind-wheel | L. R. Walls | 222,334 | Dec. 2,1879 | 244 | 66 | 16 | 1042 |
| Windmill | T. Alsop | 215,036 | May 6,1879 | 59 | 18 | 15 | 710 |
| Windmill | P. Bergman | 217,724 | July 22,1879 | 917 | 263 | 16 | 151 |
| Windmill | T. Bickerman | 213,801 | Apr. 1,1879 | 77 | 24 | 15 | 482 |
| Windmill | R. H. Boyd | 218,855 | Aug. 26,1879 | 897 | 251 | 16 | 371 |
| Windmill | R. W. Burt | 213,543 | Mar. 25,1879 | 890 | 254 | 15 | 436 |
| Windmill | C. H. Cary | 218,662 | Aug. 19,1879 | 652 | 184 | 16 | 328 |
| Windmill | A. W. Chilcott | 220,343 | Oct. 7,1879 | 147 | 40 | 16 | 655 |
| Windmill | L. C. Coriell | 218,715 | Aug. 19,1879 | 708 | 201 | 16 | 336 |
| Windmill | Z. and F. M. Cottle | 220,751 | Oct. 21,1879 | 629 | 168 | 16 | 735 |
| Windmill | E. N. Cowdery | 217,067 | July 1,1879 | 157 | 46 | 16 | 22 |
| Windmill | J. Desjardins | 215,892 | May 27,1879 | 1059 | 309 | 15 | 860 |
| Windmill | T. Dewees | 222,256 | Dec. 2,1879 | 163 | 42 | 16 | 1031 |
| Windmill | J. R. Dixon | 211,714 | Jan. 28,1879 | 754 | 212 | 15 | 104 |
| Windmill | W. Frazier | 211,393 | Jan. 14,1879 | 376 | 108 | 15 | 49 |
| Windmill | J. E. Gilchrist | 219,248 | Sept. 2,1879 | 223 | 64 | 16 | 440 |
| Windmill | J. D. Graves | 219,715 | Sept. 16,1879 | 756 | 209 | 16 | 526 |
| Windmill | C. J. Hamilton | 223,134 | Dec. 30,1879 | 1195 | 338 | 16 | 1215 |
| Windmill | P. A. Locke | 219,744 | Sept. 16,1879 | 784 | 216 | 16 | 530 |
| Windmill | R. Lorenzo | 221,081 | Oct. 28,1879 | 1030 | 273 | 16 | 796 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Windmill | S. W. Martin | 220,083 | Sept. 30, 1879 | 1193 | 328, 329 | 16 | 603 |
| Windmill | J. D. Morrison and J. C. Tietjens | 221,248 | Nov. 4, 1879 | 119 | 32 | 16 | 829 |
| Windmill | I. H. Palmer | 214,184 | Apr. 8, 1879 | 528 | 150 | 15 | 547 |
| Windmill | M. W. Palmer | 215,661 | May 20, 1879 | 797 | 233 | 15 | 819 |
| Windmill | J. J. Reed | 217,147 | July 1, 1879 | 245 | 72 | 16 | 34 |
| Windmill | S. M. Rittenhouse | 222,308 | Dec. 2, 1879 | 213 | 56 | 16 | 1038 |
| Windmill | J. Steiner | 215,687 | May 20, 1879 | 824 | 241 | 15 | 822 |
| Windmill | G. W. Sword | 211,805 | Jan. 28, 1879 | 865 | 242 | 15 | 118 |
| Windmill | H. M. Underwood | 211,606 | Jan. 21, 1879 | 619 | 175 | 15 | 82 |
| Windmill | J. Warwick and W. S. Marshall | 213,960 | Apr. 1, 1879 | 244 | 71 | 15 | 504 |
| Windmill | W. A. Wheeler | 217,033 | July 1, 1879 | 117 | 34, 35 | 16 | 17 |
| Windmill | J. M. Whitney | 221,641 | Nov. 11, 1879 | 577 | 160 | 16 | 901 |
| Windmill | F. M. Wilson | 216,481 | June 10, 1879 | 538 | 154 | 15 | 961 |
| Windmill | H. M. Wood | 222,340 | Dec. 2, 1879 | 249 | 68 | 16 | 1043 |
| Windmill | H. Woodmanse and S. Lebkicker | 220,514 | Oct. 14, 1879 | 348 | 92 | 16 | 690 |
| Windmill-motor | A. A. Stuart | 217,026 | July 1, 1879 | 109 | 31, 32 | 16 | 16 |
| Windmill-regulator | E. C. Daniels | 213,631 | Mar. 25, 1879 | 984 | 279 | 15 | 448 |
| Window | G. M. Evans | 219,809 | Sept. 23, 1879 | 878 | 242 | 16 | 552 |
| Window | W. West and J. Lord | 211,817 | Jan. 28, 1879 | 878 | 247 | 15 | 120 |
| Window-bead fastener | C. F. Hanckel | 217,281 | July 8, 1879 | 401 | 118 | 16 | 63 |
| Window-cleaner | G. C. Bovey | 214,548 | Apr. 22, 1879 | 989 | 278 | 15 | 623 |
| Window-cleaning chair | A. Dormitzer | 219,234 | Sept. 2, 1879 | 202 | 60 | 16 | 438 |
| Window, Dust-excluding and car-ventilating | W. J. Orr | 214,695 | Apr. 22, 1879 | 1141 | 321 | 15 | 642 |
| Window-fastener | G. E. Mann | 222,998 | Dec. 30, 1879 | 1038 | 297 | 16 | 1194 |
| Window-frame machine | W. H. H. Kesler | 218,751 | Aug. 19, 1879 | 745 | 212 | 16 | 341 |
| Window-frame, Sheet-metal | J. Hilgers | 213,654 | Mar. 25, 1879 | 1009 | 287 | 15 | 452 |
| Window-guard | S. Weinhandler | 217,659 | July 15, 1879 | 824 | 235 | 16 | 129 |
| Window protector and ventilator | J. L. Walton | 216,712 | June 17, 1879 | 794 | 227 | 15 | 1004 |
| Window-screen | W. H. Betts | 213,091 | Mar. 11, 1879 | 392 | 108 | 15 | 355 |
| Window-screen | C. B. Bostwick | 211,962 | Feb. 4, 1879 | 160 | 46 | 15 | 147 |
| Window-screen | W. H. Hazzard | 217,283 | July 8, 1879 | 403 | 119 | 16 | 63 |
| Window-screen | J. Mueller and P. W. Wieboldt | 221,088 | Oct. 28, 1879 | 1038 | 275 | 16 | 797 |
| Window-screen | M. H. Smith | 212,277 | Feb. 11, 1879 | 521 | 145 | 15 | 195 |
| Window-screen | H. Wakeman and A. Bataille | 211,446 | Jan. 14, 1879 | 437 | 123 | 15 | 56 |
| Window-screen frame | C. A. J. Sjoberg | 220,095 | Sept. 30, 1879 | 1210 | 333 | 16 | 605 |
| Window-shade | A. W. Lane | 214,926 | Apr. 29, 1879 | 1412 | 392 | 15 | 685 |
| Window-shade attachment | E. Metcalf | 221,337 | Nov. 4, 1879 | 225 | 61 | 16 | 843 |
| Window-shade cloth, Manufacture of | B. Birnbaum | 221,277 | Nov. 4, 1879 | 151 | 41 | 16 | 833 |
| Window-shade fixture | A. R. Nissley | 219,110 | Sept. 2, 1879 | 56 | 18 | 16 | 420 |
| Window-shade hanging | J. Hunkoler | 216,187 | June 3, 1879 | 187 | 55 | 15 | 908 |
| Window-ventilator | J. A. Conover | 215,099 | May 6, 1879 | 129 | 38 | 15 | 719 |
| Window-ventilator | A. Lammert | 213,337 | Mar. 18, 1879 | 674 | 189 | 15 | 400 |
| Window-ventilator | J. E. Lloyd | 218,754 | Aug. 19, 1879 | 749 | 213 | 16 | 341 |
| Window-ventilator | F. Maull | 217,630 | July 15, 1879 | 793 | 225 | 16 | 125 |
| Window ventilator, Bulk | M. Eckstein | 217,732 | July 22, 1879 | 927 | 266 | 16 | 152 |
| Window-washer | G. Pirrung | 215,158 | May 6, 1879 | 204 | 59 | 15 | 727 |
| Windows, Guard-railing for | A. Bischoff | 223,105 | Dec. 30, 1879 | 1163 | 328 | 16 | 1210 |
| Windows, Portable decorative balcony for | L. A. Brument and S. Goldberg | 222,006 | Nov. 25, 1879 | 1022 | 286 | 16 | 978 |
| Wine or cider mill | J. H. Gettmann | 214,560 | Apr. 22, 1879 | 1002 | 282 | 15 | 624 |
| Wire-annealing apparatus | C. H. Morgan | 213,522 | Mar. 25, 1879 | 862 | 245 | 15 | 433 |
| Wire, Apparatus for manufacturing | H. Chisholm | 211,458 | Jan. 21, 1879 | 453 | 128 | 15 | 61 |
| Wire articles, Attaching rims to | D. Sherwood | 213,699 | Mar. 25, 1879 | 1056 | 300 | 15 | 458 |
| Wire-barbing machine | J. S. Hayne | 222,699 | Dec. 16, 1879 | 689 | 198 | 16 | 1123 |
| Wire-barbing machine | N. G. and T. D. Ross | 214,706 | Apr. 22, 1879 | 1154 | 325, 326 | 15 | 644 |
| Wire-cloth, Fastening for | M. Kennedy | 221,322 | Nov. 4, 1879 | 207 | 56 | 16 | 841 |
| Wire-coiling machine | W. F. Moody | 217,704 | July 22, 1879 | 898 | 256 | 16 | 148 |
| Wire-coiling machine | L. Wildermuth | 213,482 | Mar. 18, 1879 | 898 | 229 | 15 | 418 |
| Wire-cutter | J. Baker | 220,566 | Oct. 14, 1879 | 415 | 108 | 16 | 699 |
| Wire-cutter | J. Brady | 219,681 | Sept. 16, 1879 | 722 | 200 | 16 | 521 |
| Wire cutting and bending die | F. Irwin | 217,007 | July 1, 1879 | 83 | 26 | 16 | 13 |
| Wire cutting and bending tool | C. W. Miller | 214,943 | Apr. 29, 1879 | 1427 | 397 | 15 | 687 |
| Wire-drawing, Lubricating material for use in | A. B. Brown | 215,875 | May 27, 1879 | 1044 | ..... | 15 | 858 |
| Wire-drawing machine | C. D. Rogers | 221,254 | Nov. 4, 1879 | 125 | 33 | 16 | 829 |
| Wire frame for supporting coils of wire, Skeleton | R. C. Fay | 220,065 | Sept. 30, 1879 | 1174 | 323 | 16 | 600 |
| Wire, Hardening, tempering, annealing, and straightening. | W. A. Shaw | 211,938 | Feb. 4, 1879 | 132 | 38 | 15 | 143 |
| Wire looping and cutting machine | W. Wilson, jr | 214,977 | Apr. 29, 1879 | 1462 | 407 | 15 | 692 |
| Wire, Machine for feeding | W. N. Woodruff | 222,618 | Dec. 16, 1879 | 595 | 169 | 16 | 1109 |
| Wire, Machine for measuring and cutting | G. A. Baron | 212,426 | Feb. 18, 1879 | 708 | 196 | 15 | 223 |
| Wire, Machine for winding tubes and rods with | A. Ball | 212,424 | Feb. 18, 1879 | 702 | 194 | 15 | 222 |
| Wire, Manufacture of flanged | W. J. Lewis | 212,239 | Feb. 11, 1879 | 479 | 132 | 15 | 190 |
| Wire, Manufacture of glass-coated | P. Arbogast | 220,908 | Oct. 28, 1879 | 819 | 219 | 16 | 769 |
| Wire, Manufacture of glass-incased | P. Arbogast | 222,768 | Dec. 23, 1879 | 765 | 221 | 16 | 1145 |
| Wire rods, Reel for coiling | D. C. Stover | 219,124 | Sept. 2, 1879 | 75 | 24 | 16 | 422 |
| Wire rope, Sheave for | C. W. Hunt | 213,753 | Apr. 1, 1879 | 26 | 8 | 15 | 476 |
| Wire-rope splice | W. P. Healy | 219,860 | Sept. 23, 1879 | 924 | 256 | 16 | 558 |
| Wire ropes, Machine for tarring | R. Cotter | 223,114 | Dec. 30, 1879 | 1176 | 331 | 16 | 1212 |
| Wire splicing and twisting machine | H. P. Wilson | 218,414 | Aug. 12, 1879 | 352 | 97 | 16 | 279 |
| Wire-splicing machine | L. Brightman | 213,617 | Mar. 25, 1879 | 972 | 275 | 15 | 446 |
| Wire, Spool for winding | E. M. Crandall | 216,836 | June 24, 1879 | 957 | 272 | 15 | 1034 |
| Wire straightening and cutting machine | F. E. Cross and R. G. Speirs | 214,630 | Apr. 22, 1879 | 1076 | 302 | 15 | 634 |
| Wire-stretcher | S. A. Fisher | 218,951 | Aug. 26, 1879 | 999 | 281 | 16 | 386 |
| Wire-stretcher | A. R. Garver and H. Hemenway | 222,689 | Dec. 16, 1879 | 679 | 195 | 16 | 1122 |
| Wire-stretcher | M. Smith | 220,676 | Oct. 14, 1879 | 535 | 142 | 16 | 715 |
| Wire-twister | I. Sedgwick | 218,323 | Aug. 5, 1879 | 237 | 64, 65 | 16 | 252 |
| Wire-twisting machine | J. Göbbels | 222,486 | Dec. 9, 1879 | 427 | 122 | 16 | 1077 |
| Wire, &c., with glass, Coating | P. Arbogast | 220,907 | Oct. 28, 1879 | 818 | 219 | 16 | 769 |
| Wires, Machine for beveling and truing | I. N. Forrester | 222,483 | Dec. 9, 1879 | 425 | 121 | 16 | 1076 |
| Wood-bending machine | F. W. C. Lange | 216,522 | June 17, 1879 | 594 | 168 | 15 | 977 |
| Wood, Bending thin sheets of | T. B. De Forest | 213,179 | Mar. 11, 1879 | 493 | 137 | 15 | 368 |
| Wood, Composition for preserving | O. App | 219,377 | Sept. 9, 1879 | 379 | ..... | 16 | 468 |
| Wood, Compound for filling the pores of | T. G. Hoger | 221,308 | Nov. 4, 1879 | 185 | ..... | 16 | 838 |
| Wood, Grinding | S. M. Allen | 221,993 | Nov. 25, 1879 | 1012 | 283 | 16 | 977 |

*Alphabetical list of inventions*—Continued.

| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Wood, Machine for imitating the grain of | A. B. Tripler | 214,970 | Apr. 29, 1879 | 1453 | 405 | 15 | 691 |
| Wood or lumber, Process and apparatus for treating. | L. S. Robbins | 217,022 | July 1, 1879 | 102 | 30 | 16 | 16 |
| Wood, Preserving | W. Wellhouse and E. Hagen | 216,589 | June 17, 1879 | 667 | ..... | 15 | 987 |
| Wood, Process and apparatus for preserving and curing. | W. D. Grimshaw | 218,624 | Aug. 19, 1879 | 614 | 173 | 16 | 322 |
| Wood-shaping machine | R. Richardi | 218,196 | Aug. 5, 1879 | 106 | 28 | 16 | 235 |
| Wood-turning machine | F. Hanson | 214,652 | Apr. 22, 1879 | 1097 | 307 | 15 | 637 |
| Wood-work, Machine for making framed | J. Gresty and J. Mills | 222,693 | Dec. 16, 1879 | 683 | 196, 197 | 16 | 1122 |
| Wood-work, Mosaic | C. H. Westcott | 220,893 | Oct. 21, 1879 | 791 | 211 | 16 | 756 |
| Wood-working machine | E. and J. Jackson | 216,277 | June 10, 1879 | 305 | 89, 90, 91 | 15 | 930 |
| Wood-working tool | J. King | 218,184 | Aug. 5, 1879 | 91 | 24 | 16 | 233 |
| Wooden blocks, Machine for coating | C. M. Hyatt | 212,229 | Feb. 11, 1879 | 467 | 129 | 15 | 188 |
| Wooden-box machine | E. Benson | 216,644 | June 17, 1879 | 720 | 206 | 15 | 994 |
| Wooden boxes, Machine for trimming | J. Bozorth | 213,734 | Apr. 1, 1879 | 6 | 2 | 15 | 473 |
| Wooden boxes, Making | G. W. Bradley | 211,130 | Jan. 7, 1879 | 58 | ..... | 15 | 8 |
| Wooden rings, Machine for rounding the inner and outer edges of. | J. G. Baker | 213,607 | Mar. 25, 1879 | 957 | 272 | 15 | 445 |
| Wool-combing machine | G. Brook, jr., and J. Stake | 211,695 | Jan. 28, 1879 | 737 | 205, 206 | 15 | 101 |
| Wool-combing machine | S. Metcalfe | 218,823 | Aug. 26, 1879 | 852 | 240 | 16 | 365 |
| Wool-press | A. Lowmiller | 220,980 | Oct. 28, 1879 | 912 | 243, 244 | 16 | 781 |
| Wool-press | W. T. Willis and C. S. Funkhouser. | 222,739 | Nov. 25, 1879 | 1141 | 321 | 16 | 995 |
| Wool-washing machine | F. G. Sargent | 220,733 | Oct. 21, 1879 | 610 | 163, 164 | 16 | 733 |
| Wool-washing machines, Roll for | F. G. Sargent | 222,423 | Dec. 9, 1879 | 346 | 97 | 16 | 1066 |
| Work-basket stand | J. W. Wolcott | 221,711 | Nov. 18, 1879 | 665 | 186 | 16 | 921 |
| Work-box | W. H. Conant | 214,757 | Apr. 29, 1879 | 1225 | 344 | 15 | 661 |
| Worsted goods, Mechanism for scouring and cleaning. | J. S. Needham | 214,945 | Apr. 29, 1879 | 1429 | 397 | 15 | 687 |
| Woven fabrics, Apparatus for damping | W. Mather | 219,963 | Sept. 23, 1879 | 1040 | 289 | 16 | 574 |
| Woven fabrics, Machine for pressing and finishing. | E. Gessner | 221,047 | Oct. 28, 1879 | 994 | 263 | 16 | 792 |
| Wrapper for samples | J. F. Tyrrell | 214,598 | Apr. 22, 1879 | 1042 | 293 | 15 | 630 |
| Wrapper or packet | J. H. Weaver | 222,614 | Dec. 16, 1879 | 591 | 168 | 16 | 1109 |
| Wreaths, Machine for making | A. C. Kendel | 215,465 | May 20, 1879 | 578 | 170 | 15 | 789 |
| Wrench: | | | | | | | |
| *See* Adjustable wrench. Monkey-wrench. | | | | | | | |
| Bit-stock wrench. Pipe-wrench. | | | | | | | |
| Bung-bush wrench. Pipe and nut wrench. | | | | | | | |
| Carriage-wrench. Ratchet-wrench. | | | | | | | |
| Coach-wrench. Screw-wrench. | | | | | | | |
| Fruit-jar wrench. Tap-wrench. | | | | | | | |
| Wrench | C. E. Billings | 212,298 | Feb. 18, 1879 | 554 | 155 | 15 | 203 |
| Wrench | C. H. Fisher | 219,853 | Sept. 23, 1879 | 918 | 254 | 16 | 558 |
| Wrench | H. A. French | 220,134 | Sept. 30, 1879 | 1250 | 344 | 16 | 611 |
| Wrench | A. Jackson | 220,076 | Sept. 30, 1879 | 1184 | 326 | 16 | 602 |
| Wrench | W. A. Heath | 221,305 | Nov. 4, 1879 | 183 | 50 | 16 | 837 |
| Wrench | H. P. Hood | 215,456 | May 20, 1879 | 570 | 167 | 15 | 788 |
| Wrench | J. G. and O. G. Johnson | 215,128 | May 6, 1879 | 177 | 50 | 15 | 723 |
| Wrench | W. B. Killough | 217,117 | July 1, 1879 | 215 | 62 | 16 | 30 |
| Wrench | R. Mikkelson | 216,690 | June 17, 1879 | 773 | 221 | 15 | 1001 |
| Wrench | L. S. Starrett | 212,760 | Feb. 25, 1879 | 1096 | 304 | 15 | 283 |
| Wrench | O. R. Weaver | 217,251 | July 8, 1879 | 370 | 109 | 16 | 59 |
| Wrench and crimper for nut-washers | J. J. Christie and J. Overton | 212,659 | Feb. 25, 1879 | 991 | 275 | 15 | 269 |
| Wrench for inserting bung-bushes | D. Ackermann | 213,026 | Mar. 11, 1879 | 311 | 87 | 15 | 345 |
| Wrench for inserting bung-bushes | F. P. Bump | 214,755 | Apr. 29, 1879 | 1224 | 343 | 15 | 660 |
| Wringer: | | | | | | | |
| *See* Clothes-wringer. Mop-wringer. | | | | | | | |
| Wringing-machine clamp | I. Copeland | 217,447 | July 15, 1879 | 595 | 170 | 16 | 100 |
| Wristlet | C. L. Quosbarth | 215,671 | May 20, 1879 | 806 | 236 | 15 | 820 |
| Writing-table | D. Schafer | 218,067 | July 29, 1879 | 1299 | 372 | 16 | 208 |
| **Y.** | | | | | | | |
| Yarn, Finishing | C. Hastings | 214,658 | Apr. 22, 1879 | 1104 | 309 | 15 | 637 |
| Yarn, Machine for making spotted | J. Archibald and H. Holcroft | 217,193 | July 8, 1879 | 309 | 91 | 16 | 51 |
| Yarn, Machine for marking or bundling | E. G. Gibson | 217,207 | July 8, 1879 | 323 | 95, 96 | 16 | 53 |
| Yarn, Machine for winding | J. and T. A. Boyd | 212,888 | Mar. 4, 1879 | 135 | 39 | 15 | 314 |
| Yarn, Machine for winding | J. and T. A. Boyd | 217,769 | July 22, 1879 | 958 | 275 | 16 | 157 |
| Yarn, Machine for winding | J. and T. A. Boyd | 221,772 | Nov. 18, 1879 | 730 | 203 | 16 | 931 |
| Yeast and producing specific fermentation, Obtaining pure. | J. C. Pennington | 215,287 | May 13, 1879 | 374 | ..... | 15 | 753 |
| Yeast-cakes, Machine for making | O. S. Hoffmann | 222,135 | Dec. 2, 1879 | 20 | 6 | 16 | 1011 |
| Yeast compound | J. H. Goll and A. Spinner | 220,527 | Oct. 14, 1879 | 362 | ..... | 16 | 692 |
| Yeast, Preparing | H. Z. Felde | 217,521 | July 15, 1879 | 671 | 191 | 16 | 110 |
| Yeast substitute | W. Stewart | 211,870 | Feb. 4, 1879 | 56 | ..... | 15 | 133 |
| Yoke and bow, Ox | M. Cantoni | 222,010 | Nov. 25, 1879 | 1026 | 287 | 16 | 979 |
| Yoke attachment, Neck | L. E. Ainsworth | 213,368 | Mar. 18, 1879 | 704 | 197 | 15 | 404 |
| Yoke connection, Breast | J. W. Vineyard | 214,475 | Apr. 15, 1879 | 879 | 248 | 15 | 602 |
| Yoke coupling for vehicles, Neck | S. Brown | 215,874 | May 27, 1879 | 1043 | 304 | 15 | 858 |
| Yoke, Neck | C. Hauff | 212,689 | Feb. 25, 1879 | 1018 | 282 | 15 | 272 |
| Yoke, Neck | C. C. Keene | 219,736 | Sept. 16, 1879 | 778 | 214 | 16 | 529 |
| Yoke, Neck | J. S. Nelson | 219,870 | Sept. 23, 1879 | 935 | 258 | 16 | 560 |
| Yoke, Neck | P. Rasar | 222,839 | Dec. 23, 1879 | 851 | 245 | 16 | 1156 |
| Yoke strap, Neck | H. Keyes | 212,804 | Mar. 4, 1879 | 29 | 9 | 15 | 301 |
| **Z.** | | | | | | | |
| Zinc-furnace | E. C. Hegeler and F. W. Matthiessen. | 220,831 | Oct. 21, 1879 | 725 | 192, 193 | 16 | 747 |
| Zinc, Manufacture of chloride of | W. H. Wahl and E. Y. Eltonhead | 220,449 | Oct. 7, 1879 | 262 | ..... | 16 | 671 |
| Zithern | C. Kunkel | 222,139 | Dec. 2, 1879 | 24 | 7 | 16 | 1012 |

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|---|---|---|---|---|---|
| **A.** | | | | | |
| Apron | C. Y. Wemple | 11,265 | June 24, 1879 | 15 | 1016 |
| **B.** | | | | | |
| Badge | L. L. Churchill | 11,180 | May 6, 1879 | 15 | 696 |
| Badge | G. Wolf | 11,420 | Sept. 16, 1879 | 16 | 502 |
| Barber's chair | A. Wekerle | 11,193 | May 13, 1879 | 15 | 738 |
| Baskets | J. Schlereth | 11,008 | Feb. 4, 1879 | 15 | 126 |
| Billiard-table | H. W. Collender | 11,209–11,210 | May 27, 1879 | 15 | 834 |
| Bird-cage hooks | G. S. Barkentin | 11,245 | June 17, 1879 | 15 | 972 |
| Bird-cages | J. C. Jewett | 11,446 | Sept. 30, 1879 | 16 | 590 |
| Boot and shoe heels | B. F. Jones | 11,152 | Apr. 8, 1879 | 15 | 508 |
| Bottles | J. Hoare | 11,217 | June 3, 1879 | 15 | 884 |
| Bottles, Caster | J. B. Beach | 11,331 | Aug. 12, 1879 | 16 | 270 |
| Bottles, Perfumery | M. B. Hood | 11,149 | Apr. 8, 1879 | 15 | 508 |
| Boxes | D. M. Somers | 11,548 | Dec. 23, 1879 | 16 | 1143 |
| Boxes | A. Wuensch | 11,057 | Mar. 4, 1879 | 15 | 296 |
| Bracelet | T. G. Brown | 11,413 | Sept. 16, 1879 | 16 | 501 |
| Bracelet | H. Unger | 11,237 | June 10, 1879 | 15 | 926 |
| Brackets | R. Christesen | 11,321 | Aug. 5, 1879 | 16 | 222 |
| Brackets | J. B. Sargent | 11,170 | Apr. 22, 1879 | 15 | 606 |
| Brackets, Basket-rack | C. P. Howard | 11,329 | Aug. 12, 1879 | 16 | 270 |
| Brackets, Car basket-rack | R. E. Goodrich | 11,121 | Mar. 25, 1879 | 15 | 427 |
| Brackets, Lamp | F. R. Seidenstieker | 11,465–11,466 | Oct. 21, 1879 | 16 | 726 |
| Breastpin or similar article of jewelry | H. S. Somes | 11,495 | Nov. 4, 1879 | 16 | 812 |
| Buckles | S. C. Hawkins | 11,482 | Nov. 4, 1879 | 16 | 811 |
| Bureaus | S. Feust and J. Neumann | 11,306–11,307 | July 29, 1879 | 16 | 175 |
| Burial-caskets | M. H. Crane | 11,070 | Mar. 11, 1879 | 15 | 344 |
| Buttons | T. F. N. Finch | 11,137 | Apr. 1, 1879 | 15 | 466 |
| **C.** | | | | | |
| Calicoes, Pattern for | H. Dumaresq | 11,167 | Apr. 22, 1879 | 15 | 606 |
| Can for teas, &c | A. Schilling | 11,392 | Sept. 2, 1879 | 16 | 412 |
| Candy, Stick | G. M. Mills | 11,173 | Apr. 29, 1879 | 15 | 652 |
| Card-basket | T. J. Linnekin | 11,296 | July 15, 1879 | 16 | 98 |
| Card, Business | G. H. Kendall | 11,255 | June 17, 1879 | 15 | 972 |
| Card, Business | G. H. Kendall | 11,553 | Dec. 30, 1879 | 16 | 1189 |
| Card, Visiting | P. Hake | 11,511 | Nov. 18, 1879 | 16 | 911 |
| Carpet | J. D. Baldwin | 11,442 | Sept. 30, 1879 | 16 | 590 |
| Carpet | A. Beaumont | 11,095–11,096 | Mar. 25, 1879 | 15 | 427 |
| Carpet | A. Beaumont | 11,113 | Mar. 25, 1879 | 15 | 427 |
| Carpet | J. Campbell | 11,037–11,038 | Feb. 25, 1879 | 15 | 249 |
| Carpet | J. Campbell | 11,050 | Mar. 4, 1879 | 15 | 296 |
| Carpet | H. Christie | 11,500 | Nov. 11, 1879 | 16 | 859 |
| Carpet | H. Christie | 11,509 | Nov. 18, 1879 | 16 | 911 |
| Carpet | E. Fisher | 11,313 | Aug. 5, 1879 | 16 | 222 |
| Carpet | E. Fisher | 11,341–11,352 | Aug. 19, 1879 | 16 | 320 |
| Carpet | J. Fisher | 11,335–11,340 | Aug. 19, 1879 | 16 | 320 |
| Carpet | J. L. Folsom | 11,081–11,384 | Mar. 25, 1879 | 15 | 427 |
| Carpet | J. L. Folsom | 11,097–11,106 | Mar. 25, 1879 | 15 | 427 |
| Carpet | J. L. Folsom | 11,114–11,118 | Mar. 25, 1879 | 15 | 427 |
| Carpet | J. L. Folsom | 11,120 | Mar. 25, 1879 | 15 | 427 |
| Carpet | J. L. Folsom | 11,140 | Apr. 8, 1879 | 15 | 508 |
| Carpet | J. Forrester | 11,055 | Mar. 4, 1879 | 15 | 296 |
| Carpet | W. J. Gadsby | 11,430 | Sept. 23, 1879 | 16 | 548 |
| Carpet | E. Guiraud | 11,501–11,502 | Nov. 11, 1879 | 16 | 859 |
| Carpet | A. L. Halliday | 11,142–11,143 | Apr. 8, 1879 | 15 | 508 |
| Carpet | A. L. Halliday | 11,447 | Oct. 7, 1879 | 16 | 633 |
| Carpet | O. Heinigke | 11,085 | Mar. 25, 1879 | 15 | 427 |
| Carpet | O. Heinigke | 11,108 | Mar. 25, 1879 | 15 | 427 |
| Carpet | O. Heinigke | 11,122–11,123 | Mar. 25, 1879 | 15 | 427 |
| Carpet | H. Horan | 11,060–11,062 | Mar. 11, 1879 | 15 | 344 |
| Carpet | H. Horan | 11,079 | Mar. 18, 1879 | 15 | 390 |
| Carpet | H. Horan | 11,107 | Mar. 25, 1879 | 15 | 427 |
| Carpet | H. Horan | 11,384–11,385 | Aug. 26, 1879 | 16 | 361 |
| Carpet | H. Horan | 11,370–11,372 | Aug. 26, 1879 | 16 | 361 |
| Carpet | H. Horan | 11,396–11,398 | Sept. 9, 1879 | 16 | 462 |
| Carpet | H. Horan | 11,408 | Sept. 9, 1879 | 16 | 462 |
| Carpet | H. Horan | 11,421 | Sept. 16, 1879 | 16 | 502 |
| Carpet | W. L. Jacobs | 11,074 | Mar. 18, 1879 | 15 | 390 |
| Carpet | W. L. Jacobs | 11,087 | Mar. 25, 1879 | 15 | 427 |
| Carpet | W. L. Jacobs | 11,373 | Aug. 26, 1879 | 16 | 361 |
| Carpet | W. L. Jacobs | 11,399 | Sept. 9, 1879 | 16 | 462 |
| Carpet | W. L. Jacobs | 11,412 | Sept. 9, 1879 | 16 | 462 |
| Carpet | M. R. Louden | 11,512 | Nov. 18, 1879 | 16 | 911 |
| Carpet | C. Magee | 11,130 | Apr. 1, 1879 | 15 | 466 |
| Carpet | C. Magee | 11,282 | July 8, 1879 | 16 | 50 |
| Carpet | C. Magee | 11,503 | Nov. 11, 1879 | 16 | 859 |
| Carpet | W. McCallum | 11,214 | May 27, 1879 | 15 | 834 |
| Carpet | D. McNair | 11,075 | Mar. 18, 1879 | 15 | 390 |

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| Carpet | D. McNair | 11,088 | Mar. 25, 1879 | 15 | 427 |
| Carpet | D. McNair | 11,136 | Apr. 1, 1879 | 15 | 466 |
| Carpet | D. McNair | 11,200 | May 13, 1879 | 15 | 738 |
| Carpet | E. J. Ney | 11,363 | Aug. 26, 1879 | 16 | 361 |
| Carpet | F. Oertly | 11,263 | June 24, 1879 | 15 | 1016 |
| Carpet | F. Oertly | 11,448–11,449 | Oct. 7, 1879 | 16 | 633 |
| Carpet | G. W. Piggott | 11,089 | Mar. 25, 1879 | 15 | 427 |
| Carpet | G. W. Piggott | 11,094 | Mar. 25, 1879 | 15 | 427 |
| Carpet | G. W. Piggott | 11,109–11,110 | Mar. 25, 1879 | 15 | 427 |
| Carpet | G. W. Piggott | 11,304 | July 22, 1879 | 16 | 142 |
| Carpet | G. W. Piggott | 11,375 | Aug. 26, 1879 | 16 | 361 |
| Carpet | G. W. Piggott | 11,401–11,402 | Sept. 9, 1879 | 16 | 462 |
| Carpet | E. Poole | 11,090–11,091 | Mar. 25, 1879 | 15 | 427 |
| Carpet | E. Poole | 11,111 | Mar. 25, 1879 | 15 | 427 |
| Carpet | E. Poole | 11,119 | Mar. 25, 1879 | 15 | 427 |
| Carpet | E. Poole | 11,451–11,454 | Oct. 7, 1879 | 16 | 633 |
| Carpet | E. Pyne | 11,076 | Mar. 18, 1879 | 15 | 390 |
| Carpet | E. Pyne | 11,504 | Nov. 11, 1879 | 16 | 859 |
| Carpet | T. J. Stearns | 10,986–10,987 | Jan. 21, 1879 | 15 | 60 |
| Carpet | T. J. Stearns | 11,029 | Feb. 18, 1879 | 15 | 201 |
| Carpet | T. J. Stearns | 11,147 | Apr. 8, 1879 | 15 | 508 |
| Carpet | T. J. Stearns | 11,222 | June 3, 1879 | 15 | 884 |
| Carpet | T. J. Stearns | 11,366–11,367 | Aug. 26, 1879 | 16 | 361 |
| Carpet | T. J. Stearns | 11,496 | Nov. 4, 1879 | 16 | 812 |
| Carpet | T. J. Stearns | 11,505 | Nov. 11, 1879 | 16 | 859 |
| Carpet | C. W. Swapp | 11,353–11,355 | Aug. 19, 1879 | 16 | 320 |
| Carpet | J. T. Webster | 11,522 | Nov. 18, 1879 | 16 | 916 |
| Carpet-border | C. Magee | 11,513 | Nov. 18, 1879 | 16 | 911 |
| Carpet-border | T. J. Stearns | 11,547 | Dec. 23, 1879 | 16 | 1143 |
| Carpet-pattern | A. Heald | 11,022 | Feb. 11, 1879 | 15 | 166 |
| Carpet-pattern | A. Heald | 11,045–11,047 | Mar. 4, 1879 | 15 | 296 |
| Carpet-pattern | A. Heald | 11,063 | Mar. 11, 1879 | 15 | 344 |
| Carpet-pattern | A. Heald | 11,294 | July 15, 1879 | 16 | 98 |
| Carpet-pattern | A. Heald | 11,298 | July 15, 1879 | 16 | 98 |
| Carpet-pattern | A. Heald | 11,300 | July 22, 1879 | 16 | 142 |
| Carpeting | D. Curti | 11,376–11,378 | Aug. 26, 1879 | 16 | 361 |
| Carpeting | D. A. Gourlay | 11,379–11,381 | Aug. 26, 1879 | 16 | 361 |
| Carpeting | A. Hill | 11,382–11,383 | Aug. 26, 1879 | 16 | 361 |
| Carpeting | C. Uster | 11,386 | Aug. 26, 1879 | 16 | 361 |
| Carriage body, Child's | W. B. Whitney | 11,148 | Apr. 8, 1879 | 15 | 508 |
| Carriage-door fenders | M. Wiard and C. C. Pettit | 11,243 | June 10, 1879 | 15 | 926 |
| Casters | J. J. Adgate | 11,166 | Apr. 22, 1879 | 15 | 606 |
| Casters, Handles for table | A. Hart | 11,506 | Nov. 11, 1879 | 16 | 859 |
| Center-piece | H. Berger | 11,326–11,328 | Aug. 12, 1879 | 16 | 270 |
| Center-piece | S. Kellett | 11,233–11,235 | June 10, 1879 | 15 | 926 |
| Center-pieces | A. Carlewitz | 11,247 | June 17, 1879 | 15 | 972 |
| Chain-links, Ornamental | B. Lederer | 11,004 | Jan. 28, 1879 | 15 | 88 |
| Chain-links, Ornamental | D. S. Spaulding | 11,017 | Feb. 4, 1879 | 15 | 126 |
| Chain-links, Ornamental | D. S. Spaulding | 11,071 | Mar. 11, 1879 | 15 | 344 |
| Chain, Ornamental | D. A. Beam | 11,295 | July 15, 1879 | 16 | 98 |
| Chain, Ornamental | W. T. Chamberlain | 11,211 | May 27, 1879 | 15 | 834 |
| Chain, Ornamental | N. M. Shepard | 11,157 | Apr. 15, 1879 | 15 | 558 |
| Chairs | J. Partridge | 11,551 | Dec. 23, 1879 | 16 | 1143 |
| Chairs | E. F. Reed | 11,557 | Dec. 30, 1879 | 16 | 1189 |
| Chairs, Dining | J. Partridge | 11,545 | Dec. 23, 1879 | 16 | 1143 |
| Chairs, Nurse rocking | J. Partridge | 11,546 | Dec. 23, 1879 | 16 | 1143 |
| China and other vitrified ware, Handles | C. F. A. Hinrichs | 11,483 | Nov. 4, 1879 | 16 | 811 |
| Chrocheted fabrics | C. M. Graves | 11,558 | Dec. 30, 1879 | 16 | 1189 |
| Cigar-boxes | A. Frey | 11,436 | Sept. 30, 1879 | 16 | 589 |
| Cigar-boxes | L. Kaufmann and M. Herz | 11,270 | July 1, 1879 | 16 | 2 |
| Clock and bell | J. A. Lindermann | 11,048 | Mar. 4, 1879 | 15 | 296 |
| Clock base and front | H. R. Frisbie | 11,021 | Feb. 11, 1879 | 15 | 166 |
| Clock-case | L. L. Culver | 11,073 | Mar. 18, 1879 | 15 | 390 |
| Clock-case | H. J. Davies | 11,458 | Oct. 14, 1879 | 16 | 681 |
| Clock-case | H. R. Frisbie | 11,251 | June 17 1879 | 15 | 972 |
| Clock-case | F. Meier | 11,253 | June 17, 1879 | 15 | 972 |
| Clock-case | G. Muller | 11,405 | Sept. 9, 1879 | 16 | 462 |
| Clock-case | S. C. Spring | 11,092 | Mar. 25, 1879 | 15 | 427 |
| Clock-case front | C. L. Brown | 11,276 | July 1, 1879 | 16 | 2 |
| Clock-dial rim | G. B. Owen | 11,474 | Oct. 28, 1879 | 16 | 767 |
| Clock-fronts | H. J. Davies | 11,181 | May 6, 1879 | 15 | 696 |
| Clock-movements, Frame for | L. L. Culver | 11,151 | Apr. 8, 1879 | 15 | 508 |
| Clock pedestal and front | H. R. Frisbie | 11,020 | Feb. 11, 1879 | 15 | 166 |
| Cloth, Inside face of | C. Heritage | 11,189 | May 13, 1879 | 15 | 738 |
| Coffee-pot stand | U. D. Eddy | 11,423 | Sept. 23, 1879 | 16 | 548 |
| Coffin-handles | W. M. Smith | 11,077 | Mar. 18, 1879 | 15 | 390 |
| Coffin-handles | W. M. Smith | 11,549 | Dec. 23, 1879 | 16 | 1143 |
| Coffin-plates | E. H. and J. H. Eldridge | 11,526 | Nov. 25, 1879 | 16 | 961 |
| Coffin-screws | C. H. Learned | 11,437–11,438 | Sept. 30, 1879 | 16 | 589 |
| Collar, Standing | G. P. Ide | 11,018 | Feb. 11, 1879 | 15 | 166 |
| Corset | M. P. Bray | 11,127 | Apr. 1, 1879 | 15 | 466 |
| Covered and hollow ware | C. E. Haviland | 11,479 | Oct. 28, 1879 | 16 | 768 |
| Crocheted body for shawls | L. Howard | 11,028 | Feb. 18, 1879 | 15 | 201 |
| Cuff | J. M. Ide | 11,019 | Feb. 11, 1879 | 15 | 166 |
| Curtain-bands | H. Siedentop | 11,146 | Apr. 8, 1879 | 15 | 508 |
| **D.** | | | | | |
| Dish-handles | S. Stevens | 11,207 | May 27, 1879 | 15 | 834 |
| Dish handles, Covered | J. Barlow | 11,361 | Aug. 26, 1879 | 16 | 361 |
| Dishes | R. M. Brundige | 11,411 | Sept. 9, 1879 | 16 | 462 |
| Door handle and plate | G. S. Barkentin | 11,299 | July 22, 1879 | 16 | 142 |
| Drilling machines, Metal | S. W. Putnam | 11,221 | June 3, 1879 | 15 | 884 |
| Dust-pans | L. G. Balby | 11,139 | Apr. 8, 1879 | 15 | 508 |

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| **E.** | | | | | |
| Embroidery-pattern | B. Dreyfuss | 11,275 | July 1, 1879 | 16 | 2 |
| Envelopes | H. C. Bainbridge | 11,138 | Apr. 8, 1879 | 15 | 508 |
| Eyeglass-cases | C. Seeger | 11,242 | June 10, 1879 | 15 | 926 |
| **F.** | | | | | |
| Fan | J. Macdonough | 11,507 | Nov. 11, 1879 | 16 | 859 |
| Fire-iron handles | R. Christesen | 11,257 | June 24, 1879 | 15 | 1016 |
| Fire-iron handles | R. Christesen | 11,322 | Aug. 5, 1879 | 16 | 222 |
| Fly-traps | T. W. Brown | 11,395 | Sept. 9, 1879 | 16 | 462 |
| Fork and spoon handles | E. C. Moore | 11,333 | Aug. 12, 1879 | 16 | 270 |
| Forks, spoons, &c | H. W. Hayden | 11,314 | Aug. 5, 1879 | 16 | 222 |
| Forks, Table | R. N. Oakman, jr | 11,324 | Aug. 5, 1879 | 16 | 222 |
| Fountains | A. Werner | 11,320 | Aug. 5, 1879 | 16 | 222 |
| Funeral ornaments | C. H. Learned | 11,064 | Mar. 11, 1879 | 15 | 344 |
| Funeral ornaments | C. H. Learned | 11,155 | Apr. 15, 1879 | 15 | 558 |
| Funeral ornaments | C. H. Learned | 11,303 | July 22, 1879 | 16 | 142 |
| Funeral plates, Ornamental | C. H. Learned | 11,236 | June 10, 1879 | 15 | 926 |
| Fur lining for cloaks | H. F. Bindseil | 11,368 | Aug. 26, 1879 | 16 | 361 |
| Furniture-coverings | B. Weiand | 11,393 | Sept. 2, 1879 | 16 | 412 |
| Furniture, Fret-work for | F. Vogel | 11,150 | Apr. 8, 1879 | 15 | 508 |
| Furniture, Ornamenting | M. Schrenkeisen | 11,056 | Mar. 4, 1879 | 15 | 296 |
| **G.** | | | | | |
| Game-counter | T. Miner | 11,302 | July 22, 1879 | 16 | 142 |
| Gate | H. Schoeffler | 11,444 | Sept. 30, 1879 | 16 | 590 |
| Gimp | J. Graham | 11,154 | Apr. 15, 1879 | 15 | 558 |
| Gimp | J. Graham | 11,564–11,565 | Dec. 30, 1879 | 16 | 1189 |
| Gimp | J. H. Thorp | 11,215 | May 27, 1879 | 15 | 834 |
| Gimp | J. H. Thorp | 11,566 | Dec. 30, 1879 | 16 | 1189 |
| Gimp | C. Weinberg | 11,330 | Aug. 12, 1879 | 16 | 270 |
| Globes | J. Arkell | 11,429 | Sept. 23, 1879 | 16 | 548 |
| Grate-fronts | F. S. Bissell | 11,480 | Nov. 4, 1879 | 16 | 811 |
| **H.** | | | | | |
| Handkerchief | J. Grimshaw | 11,043 | Mar. 4, 1879 | 15 | 296 |
| Handkerchief | J. Grimshaw | 11,051 | Mar. 4, 1879 | 15 | 296 |
| Handkerchief | J. Nightingale | 11,134 | Apr. 1, 1879 | 15 | 466 |
| Handkerchief | A. Tilt | 11,033 | Feb. 25, 1879 | 15 | 249 |
| Handkerchief | A. Tilt | 11,053 | Mar. 4, 1879 | 15 | 296 |
| Handkerchief | A. Tilt | 11,068 | Mar. 11, 1879 | 15 | 344 |
| Handkerchief | A. Tilt | 11,203 | May 20, 1879 | 15 | 782 |
| Harness-mountings | S. S. Sargeant | 11,272 | July 1, 1879 | 16 | 2 |
| Hatchets | H. Hammond | 11,425 | Sept. 23, 1879 | 16 | 548 |
| Hats, Firemen's | E. Cairns | 11,176 | May 6, 1879 | 15 | 696 |
| Hay-racks | M. Wiard and C. C. Pettit | 11,250 | June 17, 1879 | 15 | 972 |
| Heel-plates | L. Graf | 11,006 | Feb. 4, 1879 | 15 | 126 |
| Hinges | G. S. Barkentin | 11,267 | June 24, 1879 | 15 | 1016 |
| Hollow, flat, and covered ware | C. E. Haviland | 11,477–11,478 | Oct. 28, 1879 | 16 | 768 |
| Hoods, Ladies' and children's | S. M. Hodge | 11,527 | Nov. 25, 1879 | 16 | 961 |
| **I.** | | | | | |
| Inkstand-holder | A. Patitz | 10,983 | Jan. 14, 1879 | 15 | 33 |
| Inkstand-holders | A. Patitz | 11,406–11,407 | Sept. 9, 1879 | 16 | 462 |
| Inkstands | C. S. Landers | 11,281 | July 8, 1879 | 16 | 50 |
| Inkstands | J. W. Lilly | 11,426 | Sept. 23, 1879 | 16 | 548 |
| Inkstands | C. D. Potter | 11,439 | Sept. 30, 1879 | 16 | 589 |
| Iron post, Cast | M. Wiard and C. C. Pettit | 11,204 | May 20, 1879 | 15 | 782 |
| **J.** | | | | | |
| Jacket, Cardigan | M. J. Weil | 11,445 | Sept. 30, 1879 | 16 | 590 |
| Jewelry-settings | C. F. Wood | 11,409 | Sept. 9, 1879 | 16 | 462 |
| **K.** | | | | | |
| Knit drawers | S. Condé | 11,462 | Oct. 21, 1879 | 16 | 726 |
| Knit drawers | S. Condé | 11,498 | Nov. 4, 1879 | 16 | 812 |
| Knit fabrics | C. E. Bean | 11,552 | Dec. 30, 1879 | 16 | 1189 |
| Knit shirt | S. Condé | 11,443 | Sept. 30, 1879 | 16 | 590 |
| Knit shirt | S. Condé | 11,485 | Nov. 4, 1879 | 16 | 812 |
| Knit shirt | S. Condé | 11,499 | Nov. 4, 1879 | 16 | 812 |
| Knitted fabric | C. E. Bean | 11,528 | Dec. 2, 1879 | 16 | 1007 |
| Knitted fabric | H. Boot | 11,125 | Mar. 25, 1879 | 15 | 428 |
| Knitted fabric | D. Briggs | 11,030 | Feb. 25, 1879 | 15 | 249 |
| Knitted fabric | C. Jackson | 10,978–10,979 | Jan. 7, 1879 | 15 | 2 |
| Knitted fabric | C. Jackson | 11,031 | Feb. 25, 1879 | 15 | 249 |
| Knitted fabric | C. Jackson | 11,035 | Feb. 25, 1879 | 15 | 249 |
| Knitted fabric | C. Jackson | 11,126 | Mar. 25, 1879 | 15 | 428 |
| Knitted fabric | J. Sibson | 11,273 | July 1, 1879 | 16 | 2 |
| Knitted fabric | H. A. Truitt | 10,980 | Jan. 7, 1879 | 15 | 2 |
| Knitted fabric | H. A. Truitt | 11,032 | Feb. 25, 1879 | 15 | 249 |
| Knitted fabric | H. A. Truitt | 11,036 | Feb. 25, 1879 | 15 | 249 |
| Knitted fabric | G. Upton | 11,223–11,224 | June 3, 1879 | 15 | 884 |
| Knitted fabric and fringe | G. Upton | 11,274 | July 1, 1879 | 16 | 2 |
| Knitted fringe | C. Jackson | 11,086 | Mar. 25, 1879 | 15 | 427 |
| Knitted fringe | H. A. Truitt | 11,015 | Feb. 4, 1879 | 15 | 126 |
| Knobs, Door | G. S. Barkentin | 11,205 | May 27, 1879 | 15 | 834 |
| Knobs, Door | R. Christesen | 11,226–11,227 | June 3, 1879 | 15 | 884 |

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| Knobs, Door | R. Christesen | 11,229 | June 3, 1879 | 15 | 884 |
| Knobs, Door | H. E. Russell, jr | 11,191 | May 13, 1879 | 15 | 738 |
| L. | | | | | |
| Lock-cases | G. S. Barkentin | 11,266 | June 24, 1879 | 15 | 1016 |
| Lock cases, Rim | R. Christesen | 11,240 | June 10, 1879 | 15 | 926 |
| Lock face-plates | G. S. Barkentin | 11,297 | July 15, 1879 | 16 | 98 |
| Lock face-plates | R. Christesen | 11,239 | June 10, 1879 | 15 | 926 |
| Lock-fronts | R. Christesen | 11,228 | June 3, 1879 | 15 | 884 |
| M. | | | | | |
| Match-boxes | H. Rosenberg | 11,040 | Feb. 25, 1879 | 15 | 249 |
| Match-safe | F. L. Pommer | 11,427 | Sept. 23, 1879 | 16 | 548 |
| Medal-batteries | W. M. Elias | 11,463 | Oct. 21, 1879 | 16 | 726 |
| Monuments | J. and J. Pool | 11,450 | Oct. 7, 1879 | 16 | 633 |
| Monuments | J. and J. Pool | 11,467–11,469 | Oct. 21, 1879 | 16 | 726 |
| Monuments, Arched | J. and J. Pool | 11,364 | Aug. 26, 1879 | 16 | 361 |
| Mucilage-bottle | J. B. Davids | 11,476 | Oct. 28, 1879 | 16 | 768 |
| Mucilage-holder | W. J. Schilling | 11,254 | June 17, 1879 | 15 | 972 |
| Musical instruments, Black or sharp key for key-board. | J. Bagnall | 11,360 | Aug. 26, 1879 | 16 | 361 |
| N. | | | | | |
| Newel-post | J. I. Healey | 11,124 | Mar. 25, 1879 | 15 | 428 |
| O. | | | | | |
| Oil-cloth | J. Barrett | 11,311 | Aug. 5, 1879 | 16 | 222 |
| Oil-cloth | J. Hutchison | 11,129 | Apr. 1, 1879 | 15 | 466 |
| Oil-cloth | C. T. and V. E. Meyer | 11,011–11,014 | Feb. 4, 1879 | 15 | 126 |
| Oil-cloth | C. T. and V. E. Meyer | 11,024–11,026 | Feb. 18, 1879 | 15 | 201 |
| Oil-cloth | C. T. and V. E. Meyer | 11,131–11,133 | Apr. 1, 1879 | 15 | 466 |
| Oil-cloth | C. T. and V. E. Meyer | 11,168–11,169 | Apr. 22, 1879 | 15 | 606 |
| Oil-cloth | C. T. and V. E. Meyer | 11,196–11,199 | May 13, 1879 | 15 | 738 |
| Oil-cloth | C. T. and V. E. Meyer | 11,218–11,220 | June 3, 1879 | 15 | 884 |
| Oil-cloth | C. T. and V. E. Meyer | 11,283–11,288 | July 8, 1879 | 16 | 50 |
| Oil-cloth | C. T. and V. E. Meyer | 11,301 | July 22, 1879 | 16 | 142 |
| Oil-cloth | C. T. and V. E. Meyer | 11,316–11,319 | Aug. 5, 1879 | 16 | 222 |
| Oil-cloth | C. T. and V. E. Meyer | 11,389–11,390 | Sept. 2, 1879 | 16 | 412 |
| Oil-cloth | C. T. and V. E. Meyer | 11,487–11,494 | Nov. 4, 1879 | 16 | 812 |
| Oil-cloth | C. T. and V. E. Meyer | 11,518–11,521 | Nov. 18, 1879 | 16 | 911 |
| Oil-cloth | C. T. and V. E. Meyer | 11,541–11,543 | Dec. 16, 1879 | 16 | 1099 |
| Oil-cloth | C. T. and V. E. Meyer | 11,554–11,556 | Dec. 30, 1879 | 16 | 1189 |
| Oil-cloth | T. E. Pennell | 11,135 | Apr. 1, 1879 | 15 | 466 |
| Oil-cloth pattern | C. T. and V. E. Meyer | 11,391 | Sept. 2, 1879 | 16 | 412 |
| Organ-case | E. Downing | 11,374 | Aug. 26, 1879 | 16 | 361 |
| Organ-case | H. K. White | 11,550 | Dec. 23, 1879 | 16 | 1143 |
| Organ-case | J. H. White | 11,539 | Dec. 9, 1879 | 16 | 1053 |
| Overshoes | G. Watkinson | 11,260 | June 24, 1879 | 15 | 1016 |
| Overshoes | G. Watkinson | 11,516 | Nov. 18, 1879 | 16 | 911 |
| Overshoes, India-rubber | J. Pienovi | 11,400 | Sept. 9, 1879 | 16 | 462 |
| Oyster-plate | T. C. Smith | 11,009 | Feb. 4, 1879 | 15 | 126 |
| P. | | | | | |
| Padlocks | C. H. Beebe | 11,041 | Feb. 25, 1879 | 15 | 249 |
| Padlocks | C. L. Bellamy | 11,256 | June 24, 1879 | 15 | 1016 |
| Padlocks | R. Christesen | 11,305 | July 29, 1879 | 16 | 175 |
| Padlocks | J. Gérard | 11,259 | June 24, 1879 | 15 | 1016 |
| Padlocks | H. E. Russell, jr | 11,368 | July 29, 1879 | 16 | 176 |
| Paper and cards, Writing | H. C. Bainbridge | 11,194 | May 13, 1879 | 15 | 738 |
| Parasol | W. A. Drown, jr | 10,982 | Jan. 14, 1879 | 15 | 33 |
| Pen | G. Bradford | 11,388 | Sept. 2, 1879 | 16 | 412 |
| Pen-racks | H. K. Ely | 11,258 | June 24, 1879 | 15 | 1016 |
| Pencil-case charm | J. Z. Marinus, jr | 11,271 | July 1, 1879 | 16 | 2 |
| Pencil-cases | J. C. Aikin | 10,984 | Jan. 21, 1879 | 15 | 60 |
| Pencil-cases | G. S. Clark | 11,069 | Mar. 11, 1879 | 15 | 344 |
| Pencil-cases | C. H. Court | 11,160 | Apr. 15, 1879 | 15 | 558 |
| Pencil-cases | C. L. Downes | 11,065 | Mar. 11, 1879 | 15 | 344 |
| Pencil-cases | L. W. Fairchild | 11,414–11,419 | Sept. 16, 1879 | 16 | 501 |
| Pencil-cases | L. W. Fairchild | 11,422 | Sept. 16, 1879 | 16 | 502 |
| Pencil-cases | L. W. Fairchild | 11,432–11,435 | Sept. 23, 1879 | 16 | 548 |
| Pencil-cases | L. W. Fairchild | 11,441 | Sept. 30, 1879 | 16 | 590 |
| Pencil-cases | L. W. Fairchild | 11,455–11,456 | Oct. 7, 1879 | 16 | 633 |
| Pencil-cases | E. S. Johnson | 11,387 | Aug. 26, 1879 | 16 | 361 |
| Pendulums | C. Kitschelt | 11,052 | Mar. 4, 1879 | 15 | 296 |
| Pepper or salt receptacles | J. W. Hobbs | 11,293 | July 8, 1879 | 16 | 50 |
| Photograph-frame support | J. T. Reed | 11,249 | June 17, 1879 | 15 | 972 |
| Photograph stand | J. T. Reed | 11,264 | June 24, 1879 | 15 | 1016 |
| Picture-frame | T. T. Knight | 11,201 | May 13, 1879 | 15 | 738 |
| Pin-cushion | E. S. Heath | 11,230 | June 3, 1879 | 15 | 884 |
| Pipe-stems | W. Demuth | 11,278 | July 1, 1879 | 16 | 2 |
| Pipe-stems | W. Demuth | 11,362 | Aug. 26, 1879 | 16 | 361 |
| Pistol-handles | W. H. Bliss | 11,202 | May 20, 1879 | 15 | 782 |
| Pistol-handles | H. H. Hopkins | 11,034 | Feb. 25, 1879 | 15 | 249 |
| Pitchers, Ice | H. Berry | 11,325 | Aug. 12, 1879 | 16 | 270 |
| Pocket-book and bag frames | L. B. Prahar | 11,049 | Mar. 4, 1879 | 15 | 296 |
| Pocket-book fasteners | L. B. Prahar | 11,042 | Feb. 25, 1879 | 15 | 249 |
| Post-office lock-boxes, Door of | H. R. Towne | 11,428 | Sept. 23, 1879 | 16 | 548 |
| Printed fabrics | J. B. Altemus | 11,334 | Aug. 19, 1879 | 16 | 320 |
| Pumps, Steam | I. B. Davis | 11,252 | June 17, 1879 | 15 | 972 |

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|---|---|---|---|---|---|
| **R.** | | | | | |
| Ranges, Cooking | W. Burrows | 11,280 | July 8, 1879 | 16 | 59 |
| Rocking-chairs | J. Partridge | 11,514 | Nov. 18, 1879 | 16 | 911 |
| Rose and escutcheon, Combined | G. S. Barkentin | 11,213 | May 27, 1879 | 15 | 834 |
| Rubber mats | G. Woffenden | 11,208 | May 27, 1879 | 15 | 834 |
| Ruching, Neck | A. Back | 11,153 | Apr. 15, 1879 | 15 | 558 |
| Rug-pattern | A. Gibbs | 10,975 | Jan. 7, 1879 | 15 | 2 |
| **S.** | | | | | |
| Sad-iron stands | U. D. Eddy | 11,459 | Oct. 14, 1879 | 16 | 681 |
| Sad-irons, &c., Stand for | L. and W. H. Berger | 11,206 | May 27, 1879 | 15 | 834 |
| Saddle-trees, Metal jockey for | E. R. Cahoone | 11,246 | June 17, 1879 | 15 | 972 |
| Saddles, Riding | R. E. Whitman | 11,093 | Mar. 25, 1879 | 15 | 427 |
| Sawing machines, Frames of scroll | A. H. Shipman | 10,988 | Jan. 21, 1879 | 15 | 60 |
| Scales, Standard for weighing | L. P. Bell | 11,244 | June 10, 1879 | 15 | 926 |
| Scarf, Neck | C. H. Crossetto | 11,369 | Aug. 26, 1879 | 16 | 361 |
| Scarf-pin | W. A. Beatty | 11,471 | Oct. 21, 1879 | 16 | 726 |
| Scarf-pin | J. L. Remlinger | 11,359 | Aug. 19, 1879 | 16 | 320 |
| Scarf-pin or similar article of jewelry | J. L. Remlinger | 11,461 | Oct. 14, 1879 | 16 | 682 |
| Seal-presses | W. E. Banning | 11,232 | June 10, 1879 | 15 | 926 |
| Sewing-machine side-frame | L. B. Miller and P. Diehl | 11,156 | Apr. 15, 1879 | 15 | 558 |
| Sewing-machine stands | G. S. Darling | 11,195 | May 13, 1879 | 15 | 738 |
| Shade-roller catch | W. H. Harrison | 11,309 | July 29, 1879 | 16 | 176 |
| Shears | B. Lillard | 11,279 | July 1, 1879 | 16 | 2 |
| Sheet-metal boxes | J. S. Field | 11,158 | Apr. 15, 1879 | 15 | 558 |
| Shelf-brackets | J. P. S. Otterson | 11,112 | Mar. 25, 1879 | 15 | 427 |
| Show-cases | H. R. Brown | 11,058 | Mar. 11, 1879 | 15 | 344 |
| Signs, Illuminated | B. F. Chase | 11,165 | Apr. 15, 1879 | 15 | 558 |
| Sleigh-bell | G. W. Goff | 11,529 | Dec. 2, 1879 | 16 | 1007 |
| Sleigh-bell and terret-ring, Combined | H. M. Richmond | 11,027 | Feb. 18, 1879 | 15 | 201 |
| Smoking-pipes | W. Demuth | 11,277 | July 1, 1879 | 16 | 2 |
| Soap, Bar of | H. J., G. F., J. A., and F. Ecker | 11,261 | June 24, 1879 | 15 | 1016 |
| Soap, Cake of | J. C. Lyon | 11,410 | Sept. 9, 1879 | 16 | 462 |
| Soap, Cake of | H. T. Procter | 11,365 | Aug. 26, 1879 | 16 | 361 |
| Sofa and chair frames | T. J. Palmer | 11,005 | Jan. 28, 1879 | 15 | 88 |
| Speaking-tubes | W. R. Ostrander | 11,460 | Oct. 14, 1879 | 16 | 682 |
| Speaking-tubes | W. R. Ostrander | 11,544 | Dec. 16, 1879 | 16 | 1099 |
| Spoon | J. M. Culver | 11,510 | Nov. 18, 1879 | 16 | 911 |
| Spoon and fork handles | W. C. Beattie | 11,212 | May 27, 1879 | 15 | 834 |
| Spoon and fork handles | J. B. Knowles | 11,473 | Oct. 28, 1879 | 16 | 767 |
| Spoon and fork handles | F. W. Rogers | 11,431 | Sept. 23, 1879 | 16 | 548 |
| Spoon and fork handles | G. W. Shiebler | 11,289 | July 8, 1879 | 16 | 50 |
| Spoon and fork handles | H. Vasseur | 11,174 | Apr. 29, 1879 | 15 | 652 |
| Spoon and fork handles | F. Waterhouse | 11,508 | Nov. 11, 1879 | 16 | 859 |
| Spoons and forks | H. W. Hirschfeld | 11,171 | Apr. 22, 1879 | 15 | 606 |
| Spoons, forks, &c., Handles of | E. L. Brittin and G. Gill | 10,989 | Jan. 28, 1879 | 15 | 88 |
| Spoons, &c., Handles for | G. Gill and E. L. Brittin | 11,268 | June 24, 1879 | 15 | 1016 |
| Spurs | A. Buermann | 11,080 | Mar. 18, 1879 | 15 | 390 |
| Stair-rods | M. Krickl | 11,190 | May 13, 1879 | 15 | 738 |
| Stall-guards | M. Wiard and C. C. Pettit | 11,225 | June 3, 1879 | 15 | 884 |
| Stamping checks and drafts, Die for | W. J. Walker | 11,292 | July 8, 1879 | 16 | 50 |
| Statuary, Group of | J. Rogers | 11,183 | May 6, 1879 | 15 | 696 |
| Statuary, Group of | J. Rogers | 11,486 | Nov. 4, 1879 | 16 | 812 |
| Statue | A. Bartholdi | 11,023 | Feb. 18, 1879 | 15 | 201 |
| Statuette | G. Focardi | 11,016 | Feb. 4, 1879 | 15 | 126 |
| Stocking | G. Branson | 11,059 | Mar. 11, 1879 | 15 | 344 |
| Stocking | S. Hodgson | 11,262 | June 24, 1879 | 15 | 1016 |
| Stocking | J. Phipps | 11,163 | Apr. 15, 1879 | 15 | 558 |
| Stoves | A. C. Barstow | 11,515 | Nov. 18, 1879 | 16 | 911 |
| Stoves | J. V. Carter | 10,985 | Jan. 21, 1879 | 15 | 60 |
| Stoves | J. V. Carter | 11,472 | Oct. 28, 1879 | 16 | 767 |
| Stoves, Cooking | N. S. Vedder | 11,175 | Apr. 29, 1879 | 15 | 652 |
| Stoves, Cooking | N. S. Vedder | 11,192 | May 13, 1879 | 15 | 738 |
| Stoves, Fender gas | W. T. Symons | 11,290 | July 8, 1879 | 16 | 50 |
| Stoves, Heating | E. Bussey | 11,525 | Nov. 25, 1879 | 16 | 961 |
| Stoves, Heating | H. A. Wood | 11,072 | Mar. 11, 1879 | 15 | 344 |
| Stoves, Parlor or heating | I. T. Montross | 11,464 | Oct. 21, 1879 | 16 | 726 |
| Suitings, Scotch | F. T. Chase | 11,187 | May 13, 1879 | 15 | 738 |
| Suitings, Scotch | F. T. Chase | 11,312 | Aug. 5, 1879 | 16 | 222 |
| Syringe, Rubber fountain | A. C. Fairbanks | 11,248 | June 17, 1879 | 15 | 972 |
| **T.** | | | | | |
| Table-service | E. Chetwynd | 11,517 | Nov. 18, 1879 | 16 | 911 |
| Telegraph-insulator | J. M. Brookfield | 10,981 | Jan. 14, 1879 | 15 | 33 |
| Tobacco, Plug | W. T. Hancock and C. E. Whitlock | 11,532 | Dec. 2, 1879 | 16 | 1007 |
| Toilet-stand | W. Goldthwait | 11,188 | May 13, 1879 | 15 | 738 |
| Towel-holder | T. Miner | 11,315 | Aug. 5, 1879 | 16 | 222 |
| Toy fulminate-exploder | G. W. Eddy | 11,394 | Sept. 2, 1879 | 16 | 412 |
| Toy holder for fire-works | E. R. Ives | 11,537 | Dec. 9, 1879 | 16 | 1053 |
| Toy savings-bank | L. Keyser and A. C. Rex | 11,358 | Aug. 19, 1879 | 16 | 320 |
| Toy scales | J. Gérard | 11,141 | Apr. 8, 1879 | 15 | 508 |
| Toy wheelbarrow-frame | A. B. Greenwalt | 11,177 | May 6, 1879 | 15 | 696 |
| Trimming | J. M. Shanahan | 11,291 | July 8, 1879 | 16 | 50 |
| Trimming | R. Werner | 11,186 | May 6, 1879 | 15 | 696 |
| Trimming, Dress | J. Gerson | 11,178–11,179 | May 6, 1879 | 15 | 696 |
| Trimming, Shawl | W. Wilkinson | 11,010 | Feb. 4, 1879 | 15 | 126 |
| Trunk-fixtures | C. A. Taylor | 11,523–11,524 | Nov. 25, 1879 | 16 | 961 |
| Tubing, Brass | W. T. Merserean | 11,530 | Dec. 2, 1879 | 16 | 1007 |
| Tumblers | C. Conrad | 11,238 | June 10, 1879 | 15 | 926 |
| Types, Font of lower-case | J. M. Conner | 11,159 | Apr. 15, 1879 | 15 | 558 |
| Types, Font of ornamental printing | J. Herriet | 10,976 | Jan. 7, 1879 | 15 | 2 |
| Types, Font of ornamental printing | W. W. Jackson | 10,977 | Jan. 7, 1879 | 15 | 2 |

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| Types, Font of printing | G. G. Bailey, jr., and J. Gilbert | 11,470 | Oct. 21, 1879 | 16 | 726 |
| Types, Font of printing | J. M. Conner | 11,128 | Apr. 1, 1879 | 15 | 466 |
| Types, Font of printing | J. M. Conner | 11,184 | May 6, 1879 | 15 | 696 |
| Types, Font of printing | H. Ehlert | 11,424 | Sept. 23, 1879 | 16 | 548 |
| Types, Font of printing | C. E. Heyer | 11,044 | Mar. 4, 1879 | 15 | 296 |
| Types, Font of printing | C. E. Heyer | 11,403–11,404 | Sept. 9, 1879 | 16 | 462 |
| Types, Font of printing | W. W. Jackson | 11,161–11,162 | Apr. 15, 1879 | 15 | 558 |
| Types, Font of printing | W. W. Jackson | 11,231 | June 3, 1879 | 15 | 884 |
| Types, Font of printing | W. W. Jackson | 11,440 | Sept. 30, 1879 | 16 | 590 |
| Types, Font of printing | A. Little | 11,185 | May 6, 1879 | 15 | 696 |
| Types, Font of printing | J. K. Rogers | 11,484 | Nov. 4, 1879 | 16 | 812 |
| Types, Font of printing | R. Smith | 11,039 | Feb. 25, 1879 | 15 | 249 |
| Types, Font of printing | R. Smith | 11,164 | Apr. 15, 1879 | 15 | 558 |
| Types, Font of printing | R. Smith | 11,241 | June 10, 1879 | 15 | 926 |
| Types, Printing | T. J. Pettit and C. C. Russ | 11,538 | Dec. 9, 1879 | 16 | 1053 |
| Types, Printing | T. J. Pettit and C. C. Russ | 11,531 | Dec. 2, 1879 | 16 | 1007 |
| U. | | | | | |
| Umbrella-handle | T. W. Ball | 11,078 | Mar. 18, 1879 | 15 | 390 |
| Umbrella-handle | S. J. Cawley | 11,216 | June 3, 1879 | 15 | 884 |
| Umbrella-handle | F. J. Kaldenberg | 11,144–11,145 | Apr. 8, 1879 | 15 | 508 |
| Umbrella-handle | F. J. Kaldenberg | 11,172 | Apr. 22, 1879 | 15 | 606 |
| Umbrella tip-cap | W. H. Blake | 11,054 | Mar. 4, 1879 | 15 | 296 |
| Umbrella tip-cup | W. H. Blake | 11,332 | Aug. 12, 1879 | 16 | 279 |
| Umbrella tip-cup | W. H. Blake | 11,356 | Aug. 19, 1879 | 16 | 320 |
| Umbrella tip-cup | E. Putnam | 11,182 | May 6, 1879 | 15 | 696 |
| Umbrella tip-cup | O. M. Smith | 11,310 | July 29, 1879 | 16 | 176 |
| Umbrella tip-cup | F. Washbourne | 11,475 | Oct. 28, 1879 | 16 | 768 |
| V. | | | | | |
| Vases | M. D. Jones | 11,269 | July 1, 1879 | 16 | 2 |
| W. | | | | | |
| Wagons, Road | W. O. Kinne | 11,007 | Feb. 4, 1879 | 15 | 126 |
| Wall-paper | C. Herter | 10,990–11,003 | Jan. 28, 1879 | 15 | 88 |
| Wall-paper | F. Mencke | 11,066–11,067 | Mar. 11, 1879 | 15 | 344 |
| Watch-chain and charm | W. K. Atwood | 11,323 | Aug. 5, 1879 | 16 | 222 |
| Watch-chain charm | J. U. Gerow | 11,540 | Dec. 16, 1879 | 16 | 1099 |
| Watch-chain ornaments | J. U. Gerow | 11,481 | Nov. 4, 1879 | 16 | 811 |
| Watch-charm | W. Ludlum | 11,357 | Aug. 19, 1879 | 16 | 320 |
| Watch-charms, Cases for | J. C. Aikin | 11,457 | Oct. 7, 1879 | 16 | 633 |
| Water-cooler | C. C. Delhommer | 11,536 | Dec. 2, 1879 | 16 | 1007 |
| Woven fabric | E. Maertens | 11,533–11,535 | Dec. 2, 1879 | 16 | 1007 |
| Woven fabric | E. Maertens | 11,559–11,563 | Dec. 30, 1879 | 16 | 1180 |

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|---|---|---|---|---|---|---|---|
| **A.** | | | | | | | |
| Adjustable bracket | E. T. Starr | 8,723 | May 20, 1879 | 853 | 250 | 15 | 826 |
| Adze-eyes, Die and punch for forming | L. Chapman | 9,007 | Dec. 30, 1879 | 1278 | 361, 362 | 16 | 1227 |
| Air for motive-powers, Device for using compressed. | L. Mekarski | 8,683 | Apr. 22, 1879 | 1199 | 337 | 15 | 650 |
| Alumina, Manufacture of sulphate of | F. Laur | 8,882 | Sept. 2, 1879 | 330 | ..... | 16 | 454 |
| Animal-trap | C. Koons | 8,975 | Nov. 18, 1879 | 900 | 251 | 16 | 954 |
| Asphaltum to a liquid, Reducing | A. K. Lee | 8,921 | Oct. 7, 1879 | 277 | ..... | 16 | 673 |
| Atmosphere, Apparatus for moistening the | J. G. Garland | 8,847 | Aug. 12, 1879 | 591 | 166 | 16 | 312 |
| Auger, Well | W. W. J'lz | 8,788 | July 8, 1879 | 573 | 165 | 16 | 85 |
| Axle box, Car | T. A. Bissell | 8,940 | Oct. 21, 1879 | 811 | 217 | 16 | 759 |
| Axle-box lid, Railway | F. C. L. G. Susemihl and H. H. Hewitt. | 8,947 | Oct. 28, 1879 | 1088 | 287 | 16 | 804 |
| Axle skein and box, Vehicle | N. L. Holmes | 8,766 | June 24, 1879 | 1062 | 301 | 15 | 1048 |
| Axles, Machine for making carriage | C. Young | 8,705 | May 6, 1879 | 265 | 77 | 15 | 736 |
| **B.** | | | | | | | |
| Bag-holder | D. and C. Garver | 8,625 | Mar. 18, 1879 | 817 | 231 | 15 | 419 |
| Bale-tie | J. L. Sheppard | 8,679 | Apr. 15, 1879 | 899 | 252, 253 | 15 | 604 |
| Bale ties, Fastening cotton | C. Swett | 8,886 | Sept. 9, 1879 | 571 | 160 | 16 | 494 |
| Bale-tying attachment for baling-presses | S. D. Purdy | 8,828 | July 29, 1879 | 1354 | 388 | 16 | 214 |
| Baling-press | P. K. Dederick | 8,737 | June 3, 1879 | 267 | 79 | 15 | 918 |
| Ballot-box, Registering | J. S. Savage | 8,535 | Jan. 7, 1879 | 242 | 70 | 15 | 31 |
| Basket-splint | I. F. Wilcox | 8,747 | June 10, 1879 | 555 | 158 | 15 | 963 |
| Bed-bottom | W. Weaver | 8,552 | Jan. 21, 1879 | 642 | 180 | 15 | 86 |
| Bell-ringer, Steam | G. N. Osgood | 8,813 | July 15, 1879 | 854 | 243 | 16 | 134 |
| Bellows-valve | J. Badger and H. B. Benjamin | 8,780 | July 1, 1879 | 297 | 88 | 16 | 41 |
| Binder, Temporary | W. A. Amberg | 8,980 | Nov. 25, 1879 | 1153 | 325 | 16 | 997 |
| Binder, Temporary | E. H. Thompson | 8,981 | Nov. 25, 1879 | 1155 | 325 | 16 | 997 |
| Blast-furnace tops, Apparatus for opening and closing. | J. Thomas | 8,751 | June 10, 1879 | 558 | 159 | 15 | 964 |
| Blowing-engine | P. L. Weimer | 8,545 | Jan. 21, 1879 | 629 | 177, 178 | 15 | 83 |
| Boiler furnace, Steam | C. D. Smith | 8,750 | June 10, 1879 | 557 | 159 | 15 | 963 |
| Boot and shoe | H. White | 8,536 | Jan. 7, 1879 | 244 | 71 | 15 | 32 |
| Boot and shoe heel edge polishing machine | J. H. Ryder | 9,010 | Dec. 30, 1879 | 1286 | 363 | 16 | 1228 |
| Boot and shoe lasting machine | C. H. Trask | 8,954 | Nov. 4, 1879 | 277 | 75 | 16 | 851 |
| Boot and shoe lasting machinery | C. H. Trask and H. F. Wheeler. | 8,627 | Mar. 18, 1879 | 820 | 232, 233 | 15 | 419 |
| Boot and shoe sole shaping machine | E. Blaney | 8,706 | May 13, 1879 | 515 | 152 | 15 | 772 |
| Boot and shoe sole shaping machine | J. B. Johnson | 8,776 | June 24, 1879 | 1072 | 304 | 15 | 1049 |
| Boot and shoe stay | A. Seaver | 8,606 | Mar. 4, 1879 | 301 | 85 | 15 | 335 |
| Boot and shoe uppers, Machinery for lasting | J. W. Hatch | 8,927 | Oct. 14, 1879 | 554 | 146 | 16 | 717 |
| Boot-heels, Machine for attaching and finishing | H. Saloshinsky | 8,923 | Oct. 7, 1879 | 280 | 75 | 16 | 674 |
| Boot, India-rubber | G. Watkinson | 8,587 | Feb. 18, 1879 | 846 | 235 | 15 | 241 |
| Bottle-stopper | C. G. Hutchinson | 8,755 | June 17, 1879 | 801 | 229 | 15 | 1006 |
| Bottle-stopper | J. B. Miller | 9,002 | Dec. 23, 1879 | 1013 | 290 | 16 | 1180 |
| Box | C. Reese | 8,599 | Feb. 25, 1879 | 1128 | 313 | 15 | 287 |
| Bracelet | C. Hein | 8,928 | Oct. 14, 1879 | 536 | 146 | 16 | 717 |
| Bracelets, &c., Ornamentation of | E. F. Presbrey | 8,577 | Feb. 11, 1879 | 544 | 153 | 15 | 199 |
| Bracket-stand | A. B. Denison | 8,669 | Apr. 15, 1879 | 883 | 249 | 15 | 603 |
| Braid-package clasp | D. and D. L. Goff | 8,725 | May 27, 1879 | 1177 | 342 | 15 | 876 |
| Brick-machine | P. H. Kells | 8,867 | Aug. 19, 1879 | 831 | 234 | 16 | 353 |
| Bricks, &c., Compound for enameling | D. W. Clark | 8,855 | Aug. 19, 1879 | 809 | ..... | 16 | 350 |
| Bricks, Enameling | D. W. Clark | 8,995 | Dec. 16, 1879 | 756 | ..... | 16 | 1133 |
| Bricks, Manufacture of white or light-colored | T. M. Clark | 8,843 | Aug. 12, 1879 | 586 | ..... | 16 | 311 |
| Bridge | R. Long | 8,959 | Nov. 4, 1879 | 287 | 77 | 16 | 852 |
| Brogan | O. E. Tyler | 8,791 | July 8, 1879 | 576 | 166 | 16 | 85 |
| Brush-blocks, Machinery for boring | C. A. Mahle | 8,647 | Apr. 1, 1879 | 251 | 73 | 15 | 505 |
| Bucket, Metal | M. Campbell | 8,800 | July 15, 1879 | 836 | 239 | 16 | 131 |
| Buckle | C. Hersome | 8,655 | Apr. 1, 1879 | 259 | 75 | 15 | 506 |
| Buckle | H. S. Woodruff | 8,541 | Jan. 14, 1879 | 446 | 126 | 15 | 57 |
| Buckle, Harness | C. W. Saladee | 8,829 | July 29, 1879 | 1355 | 388 | 16 | 214 |
| Buggy-top | J. H. and E. M. Keller | 8,989 | Dec. 9, 1879 | 522 | 147 | 16 | 1089 |
| Bung-bush | J. Lacey and G. B. Cornell | 8,759 | June 17, 1879 | 805 | 231 | 15 | 1006 |
| Button-fastening | G. W. Hatch | 8,629 | Mar. 18, 1879 | 825 | 234 | 15 | 420 |
| Button-hole cutter | F. C. Leypoldt | 8,713 | May 13, 1879 | 523 | 154 | 15 | 773 |
| Button-holes, Securing | J. Watters | 8,902 | Sept. 16, 1879 | 857 | 235 | 16 | 540 |
| Buttons from blood, &c., Manufacture of ornamental. | W. F. Niles | 8,887 | Sept. 9, 1879 | 572 | ..... | 16 | 494 |
| **C.** | | | | | | | |
| Calendar and clamp, Combined | J. W. Collins | 8,974 | Nov. 18, 1879 | 899 | 251 | 16 | 953 |
| Can-supporting case | G. H. Perkins and G. Brown | 8,738 | June 3, 1879 | 268 | 79, 80 | 15 | 918 |
| Cap | L. Girbardt | 8,602 | Feb. 25, 1879 | 1132 | 314 | 15 | 288 |
| Capstan, Power | T. W. Hyde | 8,842 | Aug. 12, 1879 | 585 | 165 | 16 | 310 |
| Car-coupling | S. J. Keim | 8,848 | Aug. 12, 1879 | 592 | 167 | 16 | 312 |
| Car-coupling | H. Webster | 8,701 | May 6, 1879 | 260 | 76 | 15 | 736 |
| Car-door | W. O. Davies | 8,548 | Jan. 21, 1879 | 636 | 178 | 15 | 84 |
| Carriage, Child's | F. H. Way | 8,583 | Feb. 18, 1879 | 841 | 233 | 15 | 241 |
| Carriage-top prop | J. Ives | 8,857 | Aug. 19, 1879 | 813 | 230 | 16 | 350 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. | | Official Gazette. | |
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| | | | | Spec. | Dr'g. | Vol. | Page. |
| Cart-body | F. H. Trenholm | 8,610 | Mar. 4, 1879 | 306 | 86 | 15 | 336 |
| Casting | L. Morgan | 8,878 | Sept. 2, 1879 | 327 | 92 | 16 | 453 |
| Cereals, Prepared | L. S. Chichester | 9,016 | Dec. 30, 1879 | 1298 | ..... | 16 | 1230 |
| Chain-link | C. A. Chamberlin | 8,761 | June 17, 1879 | 807 | 231 | 15 | 1007 |
| Check, Overdraw | J. A. Lakin | 8,553 | Jan. 28, 1879 | 893 | 251 | 15 | 121 |
| Cheese-curd sink | H. C. Markham | 8,987 | Dec. 2, 1879 | 260 | 71 | 16 | 1044 |
| Cheese-hoop | W. Sternberg | 8,832 | Aug. 5, 1879 | 284 | 77 | 16 | 258 |
| Chuck, Metal-drill | G. M. Pratt | 8,793 | July 8, 1879 | 579 | 166 | 16 | 85 |
| Cloth-shearing machine | I. Brooks | 8,554 | Jan. 28, 1879 | 894 | 251 | 15 | 121 |
| Cloth-stretching machine, &c | C. A. Luther | 8,922 | Oct. 7, 1879 | 278 | 75 | 16 | 673 |
| Coal-washing machine | S. Stutz | 9,011 | Dec. 30, 1879 | 1287 | 363 | 16 | 1228 |
| Cock boxing, Stop | W. H. Graham | 8,871 | Aug. 26, 1879 | 1119 | 313 | 16 | 401 |
| Cock for steam-generators, Try | J. Regester | 8,739 | June 3, 1879 | 269 | 80 | 15 | 918 |
| Cock, Steam-gage | T. Shaw | 8,772 | June 24, 1879 | 1068 | 302 | 15 | 1049 |
| Cock, Steam-gage | T. Shaw | 8,773 | June 24, 1879 | 1069 | 303 | 15 | 1049 |
| Coffee and spice mill | A. Shepard | 8,866 | Aug. 19, 1879 | 830 | 234 | 16 | 353 |
| Coin-package | O. A. Dennis | 8,769 | June 24, 1879 | 1065 | 302 | 15 | 1048 |
| Coin-wrapper | G. Rettig | 8,649 | Apr. 1, 1879 | 253 | 74 | 15 | 505 |
| Collar, Horse | S. D. Reynolds | 8,746 | June 10, 1879 | 554 | 158 | 15 | 963 |
| Convertible chair | J. Lee | 8,604 | Mar. 4, 1879 | 299 | 84 | 15 | 335 |
| Copies of writings, &c., Producing | E. De Zuccato | 8,853 | Aug. 12, 1879 | 596 | 168 | 16 | 312 |
| Corn from the cob, Device for cutting green | J. Burt and L. F. Dunn | 8,854 | Aug. 19, 1879 | 807 | 229 | 16 | 349 |
| Corn-sheller | H. C. Scharnweber and E. Barkham. | 8,561 | Jan. 28, 1879 | 907 | 255 | 15 | 123 |
| Corn-stalk cutter | W. Barnes | 8,608 | Mar. 4, 1879 | 303 | 85 | 15 | 336 |
| Corset | D. H. Fanning | 8,663 | Apr. 8, 1879 | 586 | 165, 166 | 15 | 554 |
| Corset | H. H. May | 8,576 | Feb. 11, 1879 | 543 | 153 | 15 | 199 |
| Corset-clasp | L. F. McNett | 8,948 | Oct. 28, 1879 | 1089 | 287 | 16 | 804 |
| Cradle | H. H. Wiggers | 8,563 | Jan. 28, 1879 | 911 | 256 | 15 | 124 |
| Curtain roller and bracket | C. Buckley and L. L. Sawyer | 8,603 | Mar. 4, 1879 | 297 | 84 | 15 | 335 |
| **D.** | | | | | | | |
| Damper, Draft-regulating | R. S. Dunham | 8,693 | May 6, 1879 | 250 | 73 | 15 | 734 |
| Damper-regulator, Steam-boiler | A. C. Harrison | 8,731 | June 3, 1879 | 257 | 76 | 15 | 917 |
| Damper, Stove-pipe | J. M. Read | 8,790 | July 8, 1879 | 576 | 166 | 16 | 85 |
| Dental drill | A. Hartman | 8,958 | Nov. 4, 1879 | 285 | 77 | 16 | 852 |
| Dental drill | C. Poor | 8,624 | Mar. 11, 1879 | 602 | 168, 169 | 15 | 382 |
| Dental engine | E. T. Starr | 8,704 | May 6, 1879 | 263 | 77 | 15 | 736 |
| Dental instrument | S. C. Taylor | 8,795 | July 8, 1879 | 581 | 167 | 16 | 86 |
| Dental plugger | R. B. Donaldson | 8,763 | June 17, 1879 | 809 | 232 | 15 | 1007 |
| Desk and seat, School | G. Munger | 8,605 | Mar. 4, 1879 | 300 | 84 | 15 | 335 |
| Doll-supporter | J. S. Goye | 9,003 | Dec. 23, 1879 | 1014 | 290 | 16 | 1180 |
| Door, Sliding | G. R. Kidder | 8,789 | July 8, 1879 | 575 | 165 | 16 | 85 |
| **E.** | | | | | | | |
| Ejector | H. Coll | 8,904 | Sept. 23, 1879 | 1096 | 303 | 16 | 582 |
| Electrical envelope for safes, vaults, &c | E. Holmes and H. C. Roome | 8,949 | Oct. 28, 1879 | 1090 | 287 | 16 | 804 |
| Electrical envelope for safes, vaults, &c | E. Holmes and H. C. Roome | 8,950 | Oct. 28, 1879 | 1092 | 288 | 16 | 804 |
| Electro plating apparatus | H. and H. W. Lovejoy, J. H. Ferguson, and M. J. Creegan. | 8,726 | May 27, 1879 | 1179 | 342 | 15 | 876 |
| Elliptic springs, Manufacture of car-blanks for | W. Evans | 8,612 | Mar. 11, 1879 | 588 | 164 | 15 | 380 |
| End-gate, Wagon | C. H. Comstock | 8,720 | May 20, 1879 | 850 | 249 | 15 | 826 |
| **F.** | | | | | | | |
| Fare-box | J. B. Slawson | 8,988 | Dec. 2, 1879 | 261 | 71 | 16 | 1044 |
| Fare-register | W. H. Hornum | 9,008 | Dec. 30, 1879 | 1279 | 362 | 16 | 1227 |
| Feathers. Method and machine for shaving or splitting and withing the shafts of. | G. M. Richmond | 8,821 | July 22, 1879 | 1058 | 303 | 16 | 176 |
| Fence, Barbed-wire | M. W. Colwell | 8,665 | Apr. 8, 1879 | 588 | 167 | 15 | 555 |
| Fence, Iron | B. G. Devoe and W. L. Walker | 8,836 | Aug. 5, 1879 | 289 | 78, 79 | 16 | 259 |
| Fence-post, Iron | J. Carpenter | 9,005 | Dec. 30, 1879 | 1276 | 361 | 16 | 1226 |
| Fence, Wire | B. Wilson and F. P. Grimes | 8,757 | June 17, 1879 | 803 | 230 | 15 | 1006 |
| Filter | L. Raecke | 8,894 | Sept. 16, 1879 | 842 | 233 | 16 | 538 |
| Filter, Air | E. M. Greenway | 8,596 | Feb. 25, 1879 | 1123 | 312 | 15 | 286 |
| Fire-alarm apparatus, Non-interfering | J. N. Gamewell | 8,891 | Sept. 9, 1879 | 576 | 161 | 16 | 494 |
| Fire-arm, Breech-loading | W. R. Finch | 8,601 | Feb. 25, 1879 | 1130 | 313, 314 | 15 | 288 |
| Fire-arm, Magazine | C. W. Baldwin | 8,963 | Nov. 11, 1879 | 596 | 166 | 16 | 904 |
| Fire-arms, Ornamentation of | O. Bodenstein | 8,964 | Nov. 11, 1879 | 599 | 167 | 16 | 904 |
| Fire-escape ladder | D. Hayes and W. Free | 8,758 | June 17, 1879 | 804 | 230 | 15 | 1006 |
| Fire-extinguisher, Automatic | J. R. Brown and W. A. Foskett | 8,812 | July 15, 1879 | 853 | 243 | 16 | 133 |
| Fire-extinguisher, Automatic | J. R. Brown and W. A. Foskett | 8,833 | Aug. 5, 1879 | 285 | 78 | 16 | 258 |
| Fire-extinguisher | C. L. Delmage | 8,841 | Aug. 12, 1879 | 584 | 164 | 16 | 310 |
| Fire-proof box for papers, &c | N. Fowler | 8,654 | Apr. 1, 1879 | 258 | 75 | 15 | 506 |
| Friction-wheel | T. Hotchkiss | 8,794 | July 8, 1879 | 580 | 167 | 16 | 85 |
| Furnaces, Apparatus for promoting combustion in | I. Kendrick | 8,908 | Sept. 30, 1879 | 1342 | 370 | 16 | 624 |
| **G.** | | | | | | | |
| Garment-supporter | T. Powell | 8,864 | Aug. 19, 1879 | 829 | 233 | 16 | 353 |
| Gas-burners, Apparatus for automatically regulating the flame of. | I. and A. Herzberg | 8,754 | June 17, 1879 | 800 | 229 | 15 | 1005 |
| Gas, Manufacture of illuminating | A. P. Southwick | 8,567 | Feb. 4, 1879 | 299 | 82 | 15 | 163 |
| Gas-retort | T. F. Rowland | 8,815 | July 22, 1879 | 1050 | 300, 301 | 16 | 169 |
| Gas-washing machinery | T. K. Lees | 8,851 | Aug. 12, 1879 | 595 | 167 | 16 | 312 |
| Gases, Process and apparatus for generating combustible. | C. M. T. Du Motay | 8,695 | May 6, 1879 | 251 | 74 | 15 | 734 |
| Gilding moldings, &c | J. C. Hofer | 8,797 | July 8, 1879 | 584 | 168 | 16 | 86 |
| Glass, Plunger for pressing | G. W. Weyman | 8,799 | July 8, 1879 | 587 | 168 | 16 | 86 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Glass vessel, Incased | D. W. Norris | 8,658 | Apr. 8, 1879 | 580 | 164 | 15 | 553 |
| Glassware, Covered | C. L. Knecht | 8,595 | Feb. 25, 1879 | 1122 | 312 | 15 | 286 |
| Glassware, Machine for shaping and finishing | T. B. Atterbury and W. Beck | 8,677 | Apr. 15, 1879 | 895 | 252 | 15 | 604 |
| Globe, Time | L. P. Juvet | 8,666 | Apr. 8, 1879 | 588 | 167 | 15 | 555 |
| Governor, Steam-engine | W. B. Carithers | 8,735 | June 3, 1879 | 262 | 78 | 15 | 918 |
| Governor, Steam-engine | A. Lawrence | 8,937 | Oct. 21, 1879 | 805 | 215, 216 | 16 | 758 |
| Grain-binder | W. R. Baker and C. B. Withington. | 8,702 | May 6, 1879 | 261 | 76 | 15 | 736 |
| Grain-binder | E. Horton | 8,787 | July 8, 1879 | 571 | 164, 165 | 16 | 84 |
| Grain-binder | S. D. Locke | 8,863 | Aug. 19, 1879 | 825 | 232, 233 | 16 | 352 |
| Grain-binder | S. D. Locke | 8,991 | Dec. 9, 1879 | 524 | 148 | 16 | 1089 |
| Grain-binder | S. D. Locke | 9,014 | Dec. 30, 1879 | 1293 | 364, 365 | 16 | 1229 |
| Grain-binder | S. D. Locke | 9,015 | Dec. 30, 1879 | 1297 | 365 | 16 | 1230 |
| Grain cutting and binding machine | S. D. Locke | 8,862 | Aug. 19, 1879 | 818 | 231, 232 | 16 | 351 |
| Grain-drill | C. F. Davis | 8,589 | Feb. 18, 1879 | 847 | 235 | 15 | 242 |
| Grain-drill | B. Regan | 8,819 | July 22, 1879 | 1056 | 302 | 16 | 170 |
| Grain-drying kiln | C. W. Boynton | 8,692 | May 6, 1879 | 248 | 73 | 15 | 734 |
| Grain, &c., Machine for separating | C. G. and W. Stoll | 8,628 | Mar. 18, 1879 | 824 | 233 | 15 | 420 |
| Grain, nuts, &c., Machine for cleaning | J. Johnson | 8,749 | June 10, 1879 | 556 | 159 | 15 | 963 |
| Grain, Process and apparatus for mashing | J. A. Eberhardt | 8,907 | Sept. 30, 1879 | 1339 | 369, 370 | 16 | 624 |
| Grain-separator | J. N. Cleos | 8,775 | June 24, 1879 | 1071 | 304 | 15 | 1049 |
| Grain-separator | J. E. Smith | 8,831 | Aug. 5, 1879 | 283 | 77 | 16 | 258 |
| Grave-guard | A. Rank | 9,009 | Dec. 30, 1879 | 1285 | 363 | 16 | 1228 |
| Grave-shield and body-protector | S. S. Smick | 8,941 | Oct. 21, 1879 | 812 | 217 | 16 | 759 |
| Grinding-mill | M. B. Atkinson | 8,917 | Sept. 30, 1879 | 1353 | 372, 373 | 16 | 626 |
| Grinding-mill | A. W. Straub | 8,712 | May 13, 1879 | 522 | 154 | 15 | 773 |
| Gum-box and top, Combined | F. Sibley and J. Holmwood, jr. | 8,708 | May 13, 1879 | 518 | 153 | 15 | 772 |
| Gypsum, Treating | C. T. Tomkins | 8,803 | July 15, 1879 | 842 | ..... | 16 | 132 |
| **H.** | | | | | | | |
| Hair, Treatment of | J. Béné | 8,637 | Mar. 25, 1879 | 1094 | ..... | 15 | 463 |
| Hame attachment | J. Hudson | 8,748 | June 10, 1879 | 555 | 159 | 15 | 963 |
| Hams and shoulders, Preparation of boned pork | A. Warner | 8,544 | Jan. 21, 1879 | 628 | 177 | 15 | 83 |
| Handle | J. Pfeifer | 8,946 | Oct. 28, 1879 | 1087 | 287 | 16 | 804 |
| Harrow, Wheel | J. S. Corbin | 8,765 | June 24, 1879 | 1060 | 301 | 15 | 1047 |
| Harvester | J. F. Seiberling | 8,641 | Mar. 25, 1879 | 1099 | 311, 312 | 15 | 464 |
| Harvester | G. H. Spaulding | 8,703 | May 6, 1879 | 262 | 77 | 15 | 736 |
| Harvester | G. H. Spaulding | 8,711 | May 13, 1879 | 520 | 154 | 15 | 773 |
| Harvester-rake | C. Lidren | 8,727 | May 27, 1879 | 1180 | 343 | 15 | 876 |
| Harvester-rake | L. Miller | 8,565 | Feb. 4, 1879 | 297 | 81 | 15 | 163 |
| Harvester-rake | J. L. Owens | 8,998 | Dec. 16, 1879 | 760 | 218 | 16 | 1133 |
| Harvester-rake attachment | L. Miller | 8,564 | Feb. 4, 1879 | 296 | 81 | 15 | 162 |
| Hat and cap sweat-band | J. W. Valentine | 8,880 | Sept. 2, 1879 | 328 | 93 | 16 | 454 |
| Hat and other head-covering | A. Baglin | 8,972 | Nov. 18, 1879 | 897 | 250 | 16 | 953 |
| Hatch for street-elevators | P. Hinkle | 8,664 | Apr. 8, 1879 | 587 | 166 | 15 | 555 |
| Hay-press | F. B. Boalt | 8,733 | June 3, 1879 | 260 | 77 | 15 | 917 |
| Hay-rake, Horse | W. H. Hall | 8,920 | Oct. 7, 1879 | 275 | 74 | 16 | 673 |
| Hay-rake, Horse | D. P. Sharp | 8,668 | Apr. 8, 1879 | 592 | 168 | 15 | 556 |
| Hay-rake, Horse | J. E. Wisner | 8,805 | July 15, 1879 | 844 | 241 | 16 | 132 |
| Head-light, Locomotive | C. Byrne | 8,537 | Jan. 7, 1879 | 245 | 71 | 15 | 32 |
| Head-lights, Signal for locomotive | W. Kelley | 8,591 | Feb. 18, 1879 | 850 | 236 | 15 | 242 |
| Heat-regulator for furnaces, Automatic | A. C. Norcross | 8,582 | Feb. 18, 1879 | 840 | 233 | 15 | 241 |
| Hoe | T. B. Lockwood | 8,777 | June 24, 1879 | 1073 | 304 | 15 | 1049 |
| Honey-comb foundation, Artificial | J. E. Hetherington | 8,962 | Nov. 11, 1879 | 595 | 166 | 16 | 904 |
| Hook and button, Combined | W. H. Shurtleff | 8,996 | Dec. 16, 1879 | 757 | 218 | 16 | 1133 |
| Horse-rake | S. C. Brinser | 8,983 | Dec. 2, 1879 | 255 | 69, 70 | 16 | 1044 |
| Horseshoe | C. J. Carr | 8,932 | Oct. 14, 1879 | 960 | 148 | 16 | 718 |
| Horseshoe-nails, Machine for finishing | J. B. Wills | 8,673 | Apr. 15, 1879 | 888 | 250, 251 | 15 | 603 |
| Horseshoe toe-weight | S. T. Bane | 8,931 | Oct. 14, 1879 | 559 | 147 | 16 | 718 |
| Hose-nozzle | J. H. Johnson | 8,951 | Oct. 28, 1879 | 1094 | 288 | 16 | 804 |
| Hot-air furnace | C. M. Baxter | 8,822 | July 29, 1879 | 1344 | 385 | 16 | 213 |
| Hot-air register | J. W. Collins | 8,570 | Feb. 4, 1879 | 305 | 83 | 15 | 305 |
| Hub, Carriage-wheel | J. Kritch | 8,540 | Jan. 14, 1879 | 445 | 126 | 15 | 57 |
| Hub, Vehicle-wheel | C. K. Wilcox | 8,868 | Aug. 26, 1879 | 1113 | 312 | 16 | 400 |
| Hub, Wagon | W. C. Tucker | 8,719 | May 20, 1879 | 850 | 249 | 15 | 826 |
| Hubs, Method of and apparatus for drying | J. Urmston | 8,633 | Mar. 25, 1879 | 1090 | 310 | 15 | 463 |
| **I.** | | | | | | | |
| Ice, Process and apparatus for making | F. V. De Coppet | 8,919 | Sept. 30, 1879 | 1355 | 373 | 16 | 626 |
| Inspirator | W. R. Park | 8,734 | June 3, 1879 | 261 | 77 | 15 | 917 |
| **K.** | | | | | | | |
| Key | H. H. Elwell | 8,984 | Dec. 2, 1879 | 256 | 70 | 16 | 1044 |
| King-bolts, Series of dies for forming the heads of | R. R. Miller | 8,694 | May 6, 1879 | 250 | 73, 74 | 15 | 734 |
| Knitting-machine | W. H. Abel | 8,779 | July 1, 1879 | 291 | 86, 87 | 16 | 40 |
| Knob, Door | G. Jones | 8,743 | June 10, 1879 | 550 | 157 | 15 | 962 |
| **L.** | | | | | | | |
| Ladles, Stopper-rod sleeve for | A. J. Haws | 8,662 | Apr. 8, 1879 | 585 | 165 | 15 | 554 |
| Lamp | W. S. Blaisdell and C. K. Young | 8,732 | June 3, 1879 | 258 | 77 | 15 | 917 |
| Lamp | J. Ives | 8,579 | Feb. 11, 1879 | 546 | 154 | 15 | 199 |
| Lamp | E. M. Loyden | 8,729 | May 27, 1879 | 1184 | 343 | 15 | 876 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'g. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Lamp-burner | B. F. Adams | 8,661 | Apr. 8, 1879 | 584 | 164, 165 | 15 | 554 |
| Lamp-burner | J. F. Sanford | 8,969 | Nov. 18, 1879 | 890 | 249 | 16 | 952 |
| Lamp-chimneys, Machine for flaring and crimping | P. Zimmerman | 8,716 | May 13, 1879 | 526 | 155 | 15 | 774 |
| Lamp, Electric | C. F. Brush | 8,718 | May. 20, 1879 | 847 | 248 | 15 | 825 |
| Lamp-globe base | E. Blackman | 8,990 | Dec. 9, 1879 | 523 | 147 | 16 | 1089 |
| Lamp, Street | E. Boesch | 8,993 | Dec. 9, 1879 | 528 | 149 | 16 | 1090 |
| Lantern | J. H. Irwin | 8,598 | Feb. 25, 1879 | 1126 | 313 | 15 | 287 |
| Lantern | J. H. Irwin | 8,611 | Mar. 4, 1879 | 307 | 86 | 15 | 336 |
| Lasting-machine | C. W. Glidden | 8,557 | Jan. 28, 1879 | 898 | 252, 253 | 15 | 122 |
| Lasting-machine | J. W. Hatch | 8,764 | June 17, 1879 | 811 | 232 | 15 | 1007 |
| Latch, Closet | W. E. Sparks | 8,644 | Apr. 1, 1879 | 249 | 72 | 15 | 504 |
| Latch, Closet | W. E. Sparks | 8,645 | Apr. 1, 1879 | 249 | 73 | 15 | 504 |
| Lathe, Double reversible | J. H. Wilson | 8,999 | Dec. 16, 1879 | 761 | 218, 219 | 16 | 1134 |
| Lead and crayon holder | J. Hoffman | 8,967 | Nov. 18, 1879 | 888 | 249 | 16 | 952 |
| Lead and crayon holder | J. Hoffman | 8,968 | Nov. 18, 1879 | 889 | 249 | 16 | 952 |
| Lead pigments, Making | G. T. Lewis and E. O. Bartlett | 8,943 | Oct. 21, 1879 | 814 | 218 | 16 | 760 |
| Letter-box, Electric | W. H. Rodgers | 8,839 | Aug. 5, 1879 | 293 | 79 | 16 | 260 |
| Lightning-rod | H. W. Farley | 8,635 | Mar. 25, 1879 | 1092 | 310 | 15 | 463 |
| Lightning-rods, Machine for making | W. B. Munn | 8,696 | May 6, 1879 | 254 | 75 | 15 | 735 |
| Liquids. Device for drawing and measuring | A. F. Lapham | 8,682 | Apr. 22, 1879 | 1198 | 336 | 15 | 649 |
| Locomotive-boiler cleaner | W. Titcomb | 8,884 | Sept. 2, 1879 | 333 | 94 | 16 | 454 |
| Loom | J. W. Drummond | 8,953 | Nov. 4, 1879 | 275 | 74, 75 | 16 | 850 |
| Loom, Circular | J. J. Greenough | 8,952 | Nov. 4, 1879 | 273 | 74 | 16 | 850 |
| Loom harness-motion | J. F. Gebhart | 8,685 | Apr. 22, 1879 | 1204 | 338 | 15 | 650 |
| Loom-shuttle | J. H. Coburn | 8,808 | July 15, 1879 | 848 | 241 | 16 | 133 |
| Loom-shuttle | J. H. Coburn | 8,809 | July 15, 1879 | 850 | 242 | 16 | 133 |
| Loom-temple | W. H. Burns | 8,956 | Nov. 4, 1879 | 283 | 76 | 16 | 852 |
| Loom-temple | W. H. Burns | 8,957 | Nov. 4, 1879 | 284 | 76 | 16 | 852 |
| Loom-temple | A. Porter and J. A. Clark | 8,656 | Apr. 1, 1879 | 261 | 75 | 15 | 506 |
| Lubricant | J. M. Lippincott | 8,898 | Sept. 16, 1879 | 849 | ..... | 16 | 539 |
| Lubricator | N. Seibert | 8,740 | June 3, 1879 | 270 | 89 | 15 | 918 |
| Lumber, Compound | D. M. Cummings | 8,807 | July 15, 1879 | 847 | 241 | 16 | 132 |
| Lumber-drier | J. J. Curran | 8,840 | Aug. 12, 1879 | 582 | 164 | 16 | 310 |
| Lumber-drier | J. J. Curran | 8,846 | Aug. 12, 1879 | 589 | 165, 166 | 16 | 311 |
| **M.** | | | | | | | |
| Magneto-electric machine | O. Heikel | 8,796 | July 8, 1879 | 583 | 167 | 16 | 86 |
| Mandrel, Buffing | G. B. Dunham | 8,555 | Jan. 28, 1879 | 894 | 251 | 15 | 122 |
| Marker, Land | S. Ryan | 8,935 | Oct. 14, 1879 | 563 | 149 | 16 | 718 |
| Match-safe | E. H. Whitney | 8,621 | Mar. 11, 1879 | 609 | 168 | 15 | 382 |
| Metal tubes, Machine for reducing the diameter of | S. P. M. Tasker | 8,774 | June 24, 1879 | 1070 | 393 | 15 | 1049 |
| Metallic can | G. L. Merrill | 8,700 | May 6, 1879 | 259 | 75 | 15 | 736 |
| Metallic can | G. H. and J. H. Perkins | 8,744 | June 10, 1879 | 551 | 158 | 15 | 962 |
| Metallic can | J. H. Perkins | 8,659 | Apr. 8, 1879 | 582 | 164 | 15 | 554 |
| Middlings-purifier | L. Gathmann | 8,929 | Oct. 14, 1879 | 536 | 147 | 16 | 718 |
| Milk-setting apparatus | F. G. Butler | 8,724 | May 27, 1879 | 1176 | 342 | 15 | 876 |
| Millstone-driver | R. S. Cathcart | 8,933 | Oct. 14, 1879 | 561 | 148 | 16 | 718 |
| Mincing-machine | W. H. Peirce | 8,823 | July 29, 1879 | 1345 | 385 | 16 | 213 |
| Mining apparatus, Hydraulic | F. H. Fisher | 8,876 | Sept. 2, 1879 | 324 | 92 | 16 | 453 |
| Mirror and other frames | G. Eastman | 8,905 | Sept. 23, 1879 | 1097 | 303 | 16 | 582 |
| Mosquito-net, &c., Apparatus for stretching and dressing. | I. E. Palmer | 8,978 | Nov. 25, 1879 | 1150 | 324 | 16 | 997 |
| Motion at regular intervals, Apparatus for producing forward-and-backward. | I. and A. Herzberg | 8,753 | June 17, 1879 | 798 | 228, 229 | 15 | 1005 |
| Mower, Lawn | E. G. Passmore | 8,560 | Jan. 28, 1879 | 904 | 250 | 15 | 123 |
| Mowing-machine, Hand | G. W. Jennings | 8,630 | Mar. 18, 1879 | 826 | 234 | 15 | 429 |
| Musical instrument, Mechanical | M. Gally | 8,856 | Aug. 19, 1879 | 810 | 229 | 16 | 350 |
| Musical instrument, Mechanical | E. P. Needham | 8,976 | Nov. 18, 1879 | 901 | 251 | 16 | 954 |
| Musical instrument, Mechanical | G. W. Van Dusen | 8,835 | Aug. 5, 1879 | 287 | 78 | 16 | 259 |
| **N.** | | | | | | | |
| Nail-plate feeder | W. H. Field | 8,556 | Jan. 28, 1879 | 895 | 252 | 15 | 122 |
| Neck-tie | W. A. Laverty | 8,934 | Oct. 14, 1879 | 562 | 148 | 16 | 718 |
| Needle | J. Burrows | 8,690 | Apr. 29, 1879 | 1469 | 408 | 15 | 693 |
| Non-conducting platform, Design for | H. L. Palmer | 8,697 | May 6, 1879 | 255 | ..... | 15 | 735 |
| Nozzle, Noise-quieting steam | T. Shaw | 8,643 | Apr. 1, 1879 | 248 | 72 | 15 | 504 |
| Nut-lock | D. R. Pratt | 8,979 | Nov. 18, 1879 | 892 | 250 | 16 | 953 |
| **O.** | | | | | | | |
| Oatmeal-machine | J. F. Byers | 8,806 | July 15, 1879 | 847 | 241 | 16 | 132 |
| Offal, Treating | W. Adamson | 8,741 | June 10, 1879 | 548 | 157 | 15 | 962 |
| Offal, Treating | W. Adamson | 8,742 | June 10, 1879 | 549 | 157 | 15 | 962 |
| Oil-can | G. W. Banker | 8,993 | Sept. 23, 1879 | 1095 | 303 | 16 | 582 |
| Oil-can | W. H. Bartels | 8,600 | Feb. 25, 1879 | 1129 | 313 | 15 | 287 |
| Oils for illumination, Heavy hydrocarbon | R. S. Merrill | 8,728 | May 27, 1879 | 1182 | ..... | 15 | 876 |
| Oils, Manufacture of lubricating | J. M. Lippincott | 8,897 | Sept. 16, 1879 | 848 | ..... | 16 | 539 |
| Ore-crusher | A. F. W. Partz | 8,893 | Sept. 16, 1879 | 841 | 232 | 16 | 538 |
| Ore-separating jigger | W. H. Plumb | 8,653 | Apr. 1, 1879 | 256 | 74, 75 | 15 | 505 |
| Ore-washer | W. B. Frue | 8,881 | Sept. 2, 1879 | 329 | 93 | 16 | 454 |
| Ores, Chlorinating | J. H. Mears | 8,859 | Aug. 19, 1879 | 815 | ..... | 16 | 350 |
| Organ, Reed | G. W. Scribner | 8,771 | June 24, 1879 | 1067 | 302 | 15 | 1048 |
| Overalls | H. F. Woodward | 8,617 | Mar. 11, 1879 | 594 | 166 | 15 | 381 |
| **P.** | | | | | | | |
| Packer for oil-wells | O. B. Latham | 8,573 | Feb. 11, 1879 | 539 | 152 | 15 | 198 |
| Packer for oil-wells | O. B. Latham | 8,574 | Feb. 11, 1879 | 540 | 152 | 15 | 198 |
| Packer for oil-wells | O. B. Latham | 8,785 | July 1, 1879 | 302 | 89 | 16 | 42 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. Spec. | Monthly volume. Dr'gs | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|---|---|
| Packing device for packing-boxes, &c | A. D. Spencer | 8,977 | Nov. 25, 1879 | 1149 | 324 | 16 | 996 |
| Packing for condenser-tubes | J. W. Mead | 9,001 | Dec. 23, 1879 | 1013 | 290 | 16 | 1180 |
| Packing for deep wells | J. K. Robinson and D. A. Strong | 8,786 | July 1, 1879 | 303 | 89 | 16 | 42 |
| Packing, Metallic piston | W. A. Boyden | 8,717 | May 20, 1879 | 846 | 247 | 15 | 825 |
| Pail, Milk | J. D. Lathrop | 8,532 | Jan. 7, 1879 | 238 | 69 | 15 | 31 |
| Pail, Milk | J. D. Lathrop | 8,533 | Jan. 7, 1879 | 239 | 70 | 15 | 31 |
| Paper-bag machine | J. Arkell | 8,824 | July 29, 1879 | 1346 | 385, 386, 387 | 16 | 213 |
| Paper-bag machine | L. C. Crowell | 8,900 | Sept. 16, 1879 | 851 | 234, 235 | 16 | 539 |
| Paper-bag machine | E. W. Goodale | 8,568 | Feb. 4, 1879 | 301 | 82 | 15 | 163 |
| Papar-bag machine | J. Wells | 8,580 | Feb. 11, 1879 | 548 | 154 | 15 | 200 |
| Paper bags, Machine for making | J. Arkell | 8,680 | Apr. 22, 1879 | 1192 | 335, 336 | 15 | 649 |
| Paper board, Apparatus for lining | H. L. Palmer | 8,883 | Sept. 2, 1879 | 331 | 93 | 16 | 454 |
| Paper-cutting machine | G. R. Clarke | 8,736 | June 3, 1879 | 264 | 78, 79 | 15 | 918 |
| Paper-cutting shears | C. Brombacher | 8,816 | July 22, 1879 | 1051 | 301 | 16 | 169 |
| Paper, Machine for making wood-pulp for | R. D. Mossman | 8,698 | May 6, 1879 | 257 | 75 | 15 | 735 |
| Paper-machines, Process for renewing and apparatus for repairing knotter, strainer, or screen-plates for. | J. Robertson | 8,542 | Jan. 14, 1879 | 447 | 126 | 15 | 58 |
| Paper, Manufacture of ornamental | J. F. Marsh | 8,543 | Jan. 21, 1879 | 627 | 176 | 15 | 83 |
| Paper-pulp from wood, Manufacture of | J. Taylor and J. T. Outterson | 8,877 | Sept. 2, 1879 | 325 | 92 | 16 | 453 |
| Pavement, Concrete | C. M. Warren | 8,982 | Nov. 25, 1879 | 1156 | ..... | 16 | 998 |
| Peg-cutter | A. Whittemore | 8,572 | Feb. 4, 1879 | 307 | 83 | 15 | 164 |
| Pen, Stylographic fountain | D. Mackinnon | 8,802 | July 15, 1879 | 840 | 240 | 16 | 131 |
| Piano-action frame | C. F. T. Steinway | 9,012 | Dec. 30, 1879 | 1289 | 363, 364 | 16 | 1229 |
| Piano-forte action | C. F. T. Steinway | 9,013 | Dec. 30, 1879 | 1291 | 364 | 16 | 1229 |
| Piano-lock | E. L. Gaylord | 8,850 | Aug. 12, 1879 | 593 | 167 | 16 | 312 |
| Pillow, bolster, mattress, &c | T. S. Sperry | 8,722 | May 20, 1879 | 852 | 249, 250 | 15 | 826 |
| Pipe-wrench | H. Rhyn | 8,961 | Nov. 11, 1879 | 594 | 166 | 16 | 904 |
| Pipes, Molding | F. Shickle | 8,562 | Jan. 28, 1879 | 908 | 255 | 15 | 124 |
| Pitcher, Ice | T. Leach | 8,707 | May 13, 1879 | 516 | 153 | 15 | 772 |
| Planter, Check-row corn | H. N. McConoughey | 8,640 | Mar. 25, 1879 | 1098 | 311 | 15 | 464 |
| Planter, Convertible corn | A. Runstetler | 8,614 | Mar. 11, 1879 | 590 | 165 | 15 | 381 |
| Planter, Corn | J. Case | 8,547 | Jan. 21, 1879 | 633 | 178 | 15 | 84 |
| Planter, Corn | S. Harpster | 8,571 | Feb. 4, 1879 | 306 | 83 | 15 | 164 |
| Plow | G. Dodge | 8,926 | Oct. 14, 1879 | 552 | 146 | 16 | 717 |
| Plow-cutter | E. Wandsbrough and W. W. Speer. | 8,888 | Sept. 9, 1879 | 573 | 160 | 16 | 494 |
| Plow, Gang | F. S. Davenport | 8,986 | Dec. 2, 1879 | 258 | 70, 71 | 16 | 1044 |
| Plow, Swivel | F. Holbrook, J. A. Howe, and J. Nourse. | 8,551 | Jan. 21, 1879 | 640 | 180 | 15 | 85 |
| Pork, Curing | M. H. Smith | 8,660 | Apr. 8, 1879 | 583 | ..... | 15 | 554 |
| Post-office box | L. Yale, jr | 8,783 | July 1, 1879 | 299 | 88 | 16 | 41 |
| Printing from plates of gelatine | E. Edwards | 9,000 | Dec. 23, 1879 | 1011 | ..... | 16 | 1189 |
| Printing-machine | R. M. Hoe and S. D. Tucker | 8,801 | July 15, 1879 | 837 | 239, 240 | 16 | 131 |
| Printing-machine, Chromatic | G. M. Woodside | 8,939 | Oct. 21, 1879 | 809 | 216, 217 | 16 | 759 |
| Printing-press perforator | J. A. Carruth | 8,646 | Apr. 1, 1879 | 250 | 73 | 15 | 505 |
| Pulley, Belt | P. Medart | 8,909 | Sept. 30, 1879 | 1345 | 370 | 16 | 625 |
| Pulley for traveling-cables, Supporting | O. H. Jadwin | 8,619 | Mar. 11, 1879 | 598 | 167 | 15 | 382 |
| Pulp machine, Wood | J. Taylor | 8,845 | Aug. 12, 1879 | 588 | 165 | 16 | 311 |
| Pump | L. H. Wheeler | 8,827 | July 29, 1879 | 1353 | 387 | 16 | 214 |
| Pump, Force | R. Bean | 8,631 | Mar. 25, 1879 | 1089 | 309 | 15 | 462 |
| Pump, Steam | M. Schultz | 8,798 | July 8, 1879 | 585 | 168 | 16 | 86 |
| Pumping-engine, Duplex | G. F. Blake | 8,585 | Feb. 18, 1879 | 844 | 234 | 15 | 241 |
| **R.** | | | | | | | |
| Rag-engine | E. D. G. Jones | 8,609 | Mar. 4, 1879 | 305 | 85 | 15 | 336 |
| Railway-brake, Vacuum | N. Hodge | 8,971 | Nov. 18, 1879 | 893 | 250 | 16 | 953 |
| Railway-frog | F. C. Weir | 8,914 | Sept. 30, 1879 | 1350 | 372 | 16 | 625 |
| Railway-frog | F. C. Weir | 8,915 | Sept. 30, 1879 | 1351 | 372 | 16 | 626 |
| Railway-rails, Piling old | J. Griffen and M. P. Weeks | 8,770 | June 24, 1879 | 1066 | 302 | 15 | 1048 |
| Railway-rails, Securing fish-plates to | E. Bourne | 8,762 | June 17, 1879 | 808 | 231, 232 | 15 | 1007 |
| Railway support, Elevated | F. A. Williams | 8,860 | Aug. 19, 1879 | 816 | 230 | 16 | 350 |
| Range, Steam cooking | J. Ashcroft | 9,004 | Dec. 30, 1879 | 1275 | 360, 361 | 16 | 1226 |
| Refrigerating apparatus | J. A. Whitney | 8,955 | Nov. 4, 1879 | 280 | 76 | 16 | 851 |
| Rocking-chair | C. Brada | 8,924 | Oct. 7, 1879 | 282 | 75, 76 | 16 | 674 |
| Roll for utilizing steel rails | W. Garrett | 8,678 | Apr. 15, 1879 | 897 | 252 | 15 | 604 |
| Roofing material | T. New | 8,546 | Jan. 21, 1879 | 632 | ..... | 15 | 84 |
| Roofing material | T. New | 8,671 | Apr. 15, 1879 | 886 | ..... | 15 | 603 |
| Ruler, Parallel | G. Cousins | 8,709 | May 13, 1879 | 519 | 153 | 15 | 772 |
| Ruling machine, Paper | W. O. Hickok and A. Cooper | 8,667 | Apr. 8, 1879 | 590 | 168 | 15 | 555 |
| Sad-iron | M. F. Potts | 8,925 | Oct. 7, 1879 | 284 | 76 | 16 | 674 |
| Safety-pin | I. W. Stewart | 8,592 | Feb. 18, 1879 | 852 | 236 | 15 | 242 |
| Safes and vaults from burglars, Protecting | C. T. Chester | 8,874 | Aug. 26, 1879 | 1123 | 314 | 16 | 402 |
| Sash-cord guide | E. H. N. Clarkson and W. H. H. Kesler. | 8,586 | Feb. 18, 1879 | 845 | 235 | 15 | 241 |
| Sash-supporter | C. A. Schaefer | 8,672 | Apr. 15, 1879 | 887 | 250 | 15 | 603 |
| Saw | W. P. Miller | 8,534 | Jan. 7, 1879 | 241 | 70 | 15 | 31 |
| Saw-cleaner, Cotton-gin | R. S. Munger | 8,721 | May 20, 1879 | 851 | 249 | 15 | 826 |
| Saw, Drag | D. Heller | 8,818 | July 22, 1879 | 1054 | 302 | 16 | 169 |
| Saw-handle | R. Gates | 8,966 | Nov. 18, 1879 | 887 | 248 | 16 | 952 |
| Sawing machine, Drag | W. W. Giles | 8,782 | July 1, 1879 | 298 | 88 | 16 | 41 |
| Sawing wood, Machine for | G. C. Lathrop | 8,916 | Sept. 30, 1879 | 1352 | 372 | 16 | 626 |
| Scale-beam | J. Weeks | 8,634 | Mar. 25, 1879 | 1091 | 310 | 15 | 463 |
| Screw-cutting die | J. H. Vinton | 8,910 | Sept. 30, 1879 | 1345 | 371 | 16 | 625 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. | | Official Gazette. | |
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| | | | | Spec. | Dr'g. | Vol. | Page. |
| Seed-drill | R. B. Sheldon | 8,938 | Oct. 21, 1879 | 807 | 216 | 16 | 759 |
| Seed-dropper | J. M. Forden | 8,613 | Mar. 11, 1879 | 589 | 164, 165 | 15 | 381 |
| Seed-separator | H. Standish | 8,715 | May 13, 1879 | 525 | 155 | 15 | 773 |
| Seeds, Method and apparatus for treating | W. B. Fisher | 8,615 | Mar. 11, 1879 | 592 | 165 | 15 | 381 |
| Sewing-machine | A. S. Dinsmore | 8,575 | Feb. 11, 1879 | 542 | 152 | 15 | 199 |
| Sewing-machine | A. W. Halbert | 8,899 | Sept. 16, 1879 | 850 | 233 | 16 | 539 |
| Sewing-machine | G. McKay and L. R. Blake | 8,960 | Nov. 11, 1879 | 590 | 165, 166 | 16 | 903 |
| Sewing-machine | C. O. Parmenter | 8,767 | June 24, 1879 | 1063 | 301 | 15 | 1048 |
| Sewing-machine | E. Shaw | 8,865 | Aug. 19, 1879 | 829 | 233, 234 | 16 | 353 |
| Sewing-machine button-hole attachment | W. Carpenter | 8,825 | July 29, 1879 | 1349 | 387 | 16 | 214 |
| Sewing machine, Carpet | J. Hesse | 8,830 | Aug. 5, 1879 | 279 | 76, 77 | 16 | 258 |
| Sewing-machine fan attachment | J. W. Chambers | 8,792 | July 8, 1879 | 577 | 166 | 11 | 85 |
| Sewing-machines, Mechanism for operating bobbin-winding attachments for. | W. L. Fish | 8,687 | Apr. 22, 1879 | 1206 | 338 | 15 | 650 |
| Shaft, Flexible | N. Stow | 8,607 | Mar. 4, 1879 | 302 | 85 | 15 | 335 |
| Sheave for pulley-blocks, &c., Anti-frictional | J. Edson and W. H. Haynes | 8,997 | Dec. 16, 1879 | 758 | 218 | 16 | 1133 |
| Sheet-metal can | J. S. Field | 8,911 | Sept. 30, 1879 | 1347 | 371 | 16 | 625 |
| Sheet-metal-pipe elbow | C. F. Henis | 8,885 | Sept. 2, 1879 | 334 | 94 | 16 | 454 |
| Sheet-metal spoon | J. Fallows | 8,873 | Aug. 26, 1879 | 1122 | 314 | 16 | 402 |
| Shoe | C. F. Hill | 8,531 | Jan. 7, 1879 | 237 | 69 | 15 | 31 |
| Shoe-sole-buffing machine | J. W. Rogers | 8,895 | Sept. 16, 1879 | 844 | 233 | 16 | 538 |
| Shoe-stiffening | N. J. Simonds | 8,849 | Aug. 12, 1879 | 593 | 167 | 16 | 312 |
| Shutter bower and fastener | T. B. Rogers, jr | 8,616 | Mar. 11, 1879 | 593 | 165 | 15 | 381 |
| Shutter-worker | W. Jones | 8,756 | June 17, 1879 | 802 | 230 | 15 | 1006 |
| Skate | C. T. Day | 8,590 | Feb. 18, 1879 | 849 | 236 | 15 | 242 |
| Skylight | G. Hayes | 8,674 | Apr. 15, 1879 | 891 | 251 | 15 | 603 |
| Skylight | G. Hayes | 8,675 | Apr. 15, 1879 | 893 | 251 | 15 | 604 |
| Skylight | G. Hayes | 8,676 | Apr. 15, 1879 | 894 | 252 | 15 | 604 |
| Skylight | G. Hayes | 8,688 | Apr. 29, 1879 | 1466 | 408 | 15 | 693 |
| Skylight turret and conservatory | G. Hayes | 8,689 | Apr. 29, 1879 | 1468 | 408 | 15 | 693 |
| Slate | C. C. Shepherd | 8,699 | May 6, 1879 | 258 | 75 | 15 | 735 |
| Slate-frame | E. Butler | 8,588 | Feb. 18, 1879 | 847 | 235 | 15 | 242 |
| Slate, Hinged | R. S. Barnum | 8,936 | Oct. 21, 1879 | 804 | 215 | 16 | 758 |
| Sled-propeller | G. F. Shaver | 8,593 | Feb. 18, 1879 | 853 | 236 | 15 | 242 |
| Slop-hopper | J. G. Ils | 8,681 | Apr. 22, 1879 | 1198 | 336 | 15 | 649 |
| Smut-machine cases, Stave for | L. Morgan | 8,879 | Sept. 2, 1879 | 327 | 93 | 16 | 454 |
| Snow-plow | J. M. Baldwin | 8,944 | Oct. 21, 1879 | 815 | 218 | 16 | 760 |
| Soap and shaving box, Combined | A. Hopfen | 8,918 | Sept. 30, 1879 | 1355 | 373 | 16 | 626 |
| Soda-water apparatus | J. Matthews | 8,837 | Aug. 5, 1879 | 291 | 79 | 16 | 260 |
| Soda-water fountain | J. Matthews | 8,834 | Aug. 5, 1879 | 286 | 78 | 16 | 259 |
| Sofa and chair frames, Design for | T. J. Palmer | 8,636 | Mar. 25, 1879 | 1094 | ..... | 15 | 463 |
| Soldering device | A. Barker | 8,781 | July 1, 1879 | 298 | 88 | 16 | 41 |
| Spark-arrester | P. H. Grace | 8,549 | Jan. 21, 1879 | 636 | 179 | 15 | 85 |
| Spinning-frame spindle | J. E. Atwood | 8,539 | Jan. 14, 1879 | 444 | 125 | 15 | 57 |
| Spinning-ring and mechanism for adjusting the same. | J. Birkenhead | 8,973 | Nov. 18, 1879 | 897 | 250 | 16 | 953 |
| Spinning-rings, Mechanism for supporting and adjusting. | J. W. Wattles | 8,811 | July 15, 1879 | 852 | 242 | 16 | 133 |
| Spoke-tenoning machine | R. W. Eaton | 8,691 | Apr. 29, 1879 | 1469 | 408 | 15 | 694 |
| Spoon, Sheet-metal | J. Fallows | 8,650 | Apr. 1, 1879 | 254 | 74 | 15 | 505 |
| Spoon, Sheet-metal | J. Fallows | 8,873 | Aug. 26, 1879 | 1122 | 314 | 16 | 402 |
| Spoons, Manufacture of plated | H. E. Fowler and W. W. Holmes. | 8,979 | Nov. 25, 1879 | 1153 | ..... | 16 | 997 |
| Spring-motor | D. Shive | 8,872 | Aug. 26, 1879 | 1120 | 313 | 16 | 401 |
| Stamp, Perforating | H. H. Norrington | 8,657 | Apr. 8, 1879 | 578 | 163 | 15 | 552 |
| Starching-machine | A. M. Dolph | 8,710 | May 13, 1879 | 519 | 153, 154 | 15 | 772 |
| Steam and air brake | B. W. Smith and E. O. Frink | 8,778 | June 24, 1879 | 1074 | 305 | 15 | 1050 |
| Steam-boiler and furnace | C. W. Reed | 8,730 | June 10, 1879 | 254 | 76 | 15 | 917 |
| Steam-boiler covering | T. Merriam | 8,745 | June 10, 1879 | 533 | 158 | 15 | 963 |
| Steam-boiler covering | T. Merriam | 8,994 | Dec. 9, 1879 | 530 | 149 | 16 | 1090 |
| Steam-boiler covering | J. C. Reed | 8,752 | June 10, 1879 | 558 | 160 | 15 | 964 |
| Steam-engines, Compound condensing apparatus for. | J. Houpt | 8,670 | Apr. 15, 1879 | 884 | 249 | 15 | 603 |
| Steel, Manufacture of | O. Bolton | 8,945 | Oct. 28, 1879 | 1086 | ..... | 16 | 804 |
| Stockings, Fastening device or clasp for supporting | A. B. Shaw | 8,622 | Mar. 11, 1879 | 600 | 168 | 15 | 382 |
| Stove, Cooking | J. M. Read | 8,810 | July 15, 1879 | 850 | 242 | 16 | 133 |
| Stove for steam-heating boilers, Base-burning | W. B. Dunning | 8,569 | Feb. 4, 1879 | 303 | 82, 83 | 15 | 164 |
| Stove, Heating | J. Orr | 8,538 | Jan. 7, 1879 | 246 | 71, 72 | 15 | 32 |
| Stove-lining | J. Riplinger | 8,760 | June 17, 1879 | 806 | 231 | 15 | 1006 |
| Stove, Regenerative hot-blast | C. Cochrane and E. A. Cowper | 8,814 | July 22, 1879 | 1049 | 300 | 16 | 168 |
| Stove, Reservoir cooking | D. G. Littlefield | 8,913 | Sept. 30, 1879 | 1349 | 371 | 16 | 625 |
| Strainer, Gravy | J. Scheider | 8,584 | Feb. 18, 1879 | 843 | 234 | 15 | 241 |
| Stud for boots and shoes, Lacing | A. Dawes | 8,992 | Dec. 9, 1879 | 527 | 148 | 16 | 1090 |
| Stump-extractor | D. Carroll | 8,578 | Feb. 11, 1879 | 544 | 153 | 15 | 199 |
| Sugar-liquoring apparatus | E. Langen | 8,620 | Mar. 11, 1879 | 598 | 167 | 16 | 382 |
| Sugar, Mold for the manufacture of hard | E. Langen | 8,642 | Apr. 1, 1879 | 247 | 72 | 15 | 504 |
| Supporting-platform | W. M. Conger | 8,985 | Dec. 2, 1879 | 257 | 70 | 16 | 1044 |
| Suspender-straps, Supporting and adjusting device for. | S. W. Fisk | 8,912 | Sept. 30, 1879 | 1348 | 371 | 16 | 625 |
| Suspenders | T. O. Potter | 8,820 | July 22, 1879 | 1057 | 303 | 16 | 170 |
| **T.** | | | | | | | |
| Tablet, Rolling pocket | H. T. Cushman | 8,875 | Sept. 2, 1879 | 323 | 91 | 16 | 453 |
| Tan-vat | C. H. Manning | 8,639 | Mar. 25, 1879 | 1097 | 311 | 15 | 464 |
| Telegraph, Automatic fire-alarm | J. H. Guest | 8,618 | Mar. 11, 1879 | 595 | 166, 167 | 15 | 381 |
| Telegraph, Electro-harmonic | E. Gray | 8,869 | Aug. 26, 1879 | 1114 | 313 | 16 | 401 |
| Telegraph, Electro-harmonic | E. Gray | 8,870 | Aug. 26, 1879 | 1117 | 313 | 16 | 401 |
| Telegraph-repeater, Quadruplex | T. A. Edison | 8,906 | Sept. 23, 1879 | 1098 | 304 | 16 | 582 |
| Telegraphs, Application of the condenser to multiple. | B. Thompson and C. Selden | 8,889 | Sept. 9, 1879 | 574 | 160 | 16 | 494 |
| Telegraphs, Automatic signal-box for fire-alarm | M. G. Crane and E. Rogers | 8,896 | Sept. 16, 1879 | 845 | 233 | 16 | 538 |
| Telegraphically, Apparatus for transmitting musical impressions or sounds. | E. Gray | 8,559 | Jan. 28, 1879 | 902 | 254 | 15 | 23 |

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| Invention or discovery. | Name of patentee. | No. | Date. | Monthly volume. | | Official Gazette. | |
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| | | | | Spec. | Dr'g. | Vol. | Page. |
| Telegraphically, Transmitting musical impressions or sounds. | E. Gray | 8,558 | Jan. 28, 1879 | 901 | 254 | 15 | 123 |
| Thrashing, hulling, and cleaning clover-seed, Machine for. | J. C. Birdsell | 8,638 | Mar. 25, 1879 | 1095 | 311 | 15 | 463 |
| Thrashing-machine straw-carrier | F. Kitten | 8,652 | Apr. 1, 1879 | 255 | 74 | 15 | 505 |
| Time-lock | S. A. Little | 8,550 | Jan. 21, 1879 | 637 | 179, 180 | 15 | 85 |
| Tobacco-compress | J. H. McGowan | 8,838 | Aug. 5, 1879 | 292 | 79 | 16 | 260 |
| Top, Spinning | A. J. Davis | 8,768 | June 24, 1879 | 1064 | 301 | 15 | 1048 |
| Traveling-bag frame | G. Havell | 8,529 | Jan. 7, 1879 | 235 | 69 | 15 | 31 |
| Traveling-bag frame | G. Havell | 8,530 | Jan. 7, 1879 | 236 | 69 | 15 | 31 |
| Trunk | C. A. Taylor | 8,901 | Sept. 16, 1879 | 856 | 235 | 16 | 540 |
| Truss-pad | N. Jones | 8,623 | Mar. 11, 1879 | 601 | 168 | 15 | 382 |
| V. | | | | | | | |
| Vapor-burner | W. H. Smith | 8,686 | Apr. 22, 1879 | 1204 | 338 | 15 | 650 |
| Vapor-burner | C. Wintergerst | 8,784 | July 1, 1879 | 301 | 89 | 16 | 41 |
| Vehicle-wheel | J. R. Baird | 8,930 | Oct. 14, 1879 | 558 | 147 | 16 | 718 |
| Vehicle-wheel | D. Mulock | 8,852 | Aug. 12, 1879 | 596 | 168 | 16 | 312 |
| Ventilator | G. Hayes | 8,597 | Feb. 25, 1879 | 1125 | 312 | 15 | 287 |
| W. | | | | | | | |
| Wagon-brake | O. A. Kenyon | 8,817 | July 22, 1879 | 1053 | 301 | 16 | 169 |
| Wagon, Dumping | H. Bailey | 8,804 | July 15, 1879 | 843 | 240 | 16 | 132 |
| Wash-board | E. M. Stevens | 8,844 | Aug. 12, 1879 | 587 | 165 | 16 | 311 |
| Washing-machine | M. A. Tinker | 8,892 | Sept. 9, 1879 | 579 | 161 | 16 | 494 |
| Washing-machine | B. J. Williams | 8,861 | Aug. 19, 1879 | 817 | 231 | 16 | 351 |
| Watch-key, Adjustable | W. Haines | 8,648 | Apr. 1, 1879 | 252 | 73 | 15 | 505 |
| Water-closet | H. H. Craigie | 8,626 | Mar. 18, 1879 | 818 | 231 | 15 | 419 |
| Water-wheel | J. Todd | 8,942 | Oct. 21, 1879 | 813 | 217 | 16 | 759 |
| Weft-stop mechanism | F. O. Tucker | 8,632 | Mar. 25, 1879 | 1089 | 309, 310 | 15 | 462 |
| Whip-holder | H. M. Curtis and A. Werden | 8,581 | Feb. 18, 1879 | 839 | 233 | 15 | 241 |
| Wick-raiser | W. H. Smith | 8,684 | Apr. 22, 1879 | 1202 | 337 | 15 | 650 |
| Wick-tube | H. McConnell | 8,858 | Aug. 19, 1879 | 814 | 230 | 16 | 350 |
| Wind-engine | D. Nysewander | 8,566 | Feb. 4, 1879 | 298 | 81, 82 | 15 | 163 |
| Windmill | L. H. Wheeler | 8,826 | July 29, 1879 | 1350 | 387 | 16 | 214 |
| Window-shade roller | J. Shorey | 9,006 | Dec. 30, 1879 | 1277 | 361 | 16 | 1226 |
| Wire and sheet-metal cutter | F. C. Leypoldt | 8,714 | May 13, 1879 | 524 | 155 | 15 | 773 |
| Wire cage | M. Grebner | 8,594 | Feb. 25, 1879 | 1121 | 312 | 15 | 286 |
| Wooden boxes, Making | G. W. Bradley | 8,890 | Sept. 9, 1879 | 575 | ..... | 16 | 494 |

## ALPHABETICAL LIST OF TRADE-MARKS.

| For what purpose. | Name of patentee. | No. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|---|
| **A.** | | | | | |
| Ale | W. A. Miles & Co | 7,069 | Mar. 4, 1879 | 15 | 295 |
| Ale, Burton | Bass & Co | 6,919 | Jan. 7, 1879 | 15 | 1 |
| Ale, Ginger | Cantrell & Cochrane | 7,148 | Apr. 1, 1879 | 15 | 465 |
| Ale, lemonade, soda-water, seltzer-water, kali-water, and sarsaparilla, Ginger. | W. A. Ross & Co | 7,687 | Sept. 16, 1879 | 16 | 501 |
| Ale, Pale | Bass & Co | 6,918 | Jan. 7, 1879 | 15 | 1 |
| Artist's materials | Winsor & Newton | 7,133 | Mar. 25, 1879 | 15 | 428 |
| Axes | H. S. Smith & Co | 7,320 | May 20, 1879 | 15 | 782 |
| Axes, Chopping | Boetticher, Kellogg & Co | 7,131 | Mar. 25, 1879 | 15 | 428 |
| Axle-grease | Hucks, Lambert & Greene | 7,512 | July 15, 1879 | 16 | 97 |
| Axle grease or lubricator | J. Davis | 6,944 | Jan. 14, 1879 | 15 | 33 |
| **B.** | | | | | |
| Bacon, hams, and cured and pickled meats | S. Dally | 7,017 | Feb. 11, 1879 | 15 | 165 |
| Bacon, hams, beef, pork, lard, and tallow | J. W. Nightingale | 7,009 | Feb. 4, 1879 | 15 | 126 |
| Baking and yeast powders | Taylor Manufacturing Company | 7,317 | May 20, 1879 | 15 | 781 |
| Baking and yeast powders | Taylor Manufacturing Company | 7,318 | May 20, 1879 | 15 | 781 |
| Baking or yeast powders | City Baking Powder Company | 6,981 | Jan. 28, 1879 | 15 | 87 |
| Baking-powder | Dunham Manufacturing Company | 7,489 | July 8, 1879 | 16 | 49 |
| Baking-powder | E. Guittard | 6,992 | Feb. 4, 1879 | 15 | 125 |
| Baking-powder | J. Hewson | 7,261 | May 6, 1879 | 15 | 695 |
| Baking-powder | J. H. Kuauss | 7,058 | Mar. 4, 1879 | 15 | 295 |
| Baking-powder | Steele & Emery | 6,952 | Jan. 14, 1879 | 15 | 33 |
| Barrels, kegs, well-buckets, and pails, Wood | J. F. Vogt & Brother | 7,356 | May 27, 1879 | 15 | 833 |
| Base-balls | L. H. Mahn | 7,330 | May 20, 1879 | 15 | 782 |
| Beefsteak-tenderers | F. E. Clark | 7,597 | Aug. 19, 1879 | 16 | 319 |
| Beer and ale, Lager | F. Hollender | 7,025 | Feb. 11, 1879 | 15 | 165 |
| Beer, Lager | Bartholomay Brewing Company | 7,626 | Aug. 26, 1879 | 16 | 362 |
| Beer, Lager | F. Hollender | 7,310 | May 20, 1879 | 15 | 781 |
| Beer, Lager | F. Hollender | 7,539 | July 22, 1879 | 16 | 142 |
| Beer, Lager | I. Leisy & Co | 6,936 | Jan. 7, 1879 | 15 | 2 |
| Beer, Lager | V. Loewer | 7,730 | Oct. 14, 1879 | 16 | 681 |
| Beer, Root | Bean & Brother | 7,383 | June 3, 1879 | 15 | 883 |
| Beer, Sarsaparilla | Cronk & Kurtz | 7,633 | Sept. 2, 1879 | 16 | 411 |
| Beverage, or a compound for use in preparing it, Non-alcoholic. | J. L. Worden | 7,789 | Dec. 30, 1879 | 16 | 1196 |
| Beverage termed "Homeopathic coffee" | Kaoka Manufacturing Company | 7,732 | Oct. 14, 1879 | 16 | 681 |
| Bicycles | Pope Manufacturing Company | 6,942 | Jan. 7, 1879 | 15 | 2 |
| Bindings | Damon, Maynard & Tucker | 7,225 | Apr. 22, 1879 | 15 | 606 |
| Biscuit and crackers | W. E. Treadwell | 7,673 | Sept. 9, 1879 | 16 | 462 |
| Bitters | Hart & Myers | 7,100 | Mar. 11, 1879 | 15 | 344 |
| Bitters | Mette & Kanne | 7,340 | May 20, 1879 | 15 | 782 |
| Bitters | J. G. B. Siegert & Hijos | 7,204 | Apr. 15, 1879 | 15 | 558 |
| Bitters | J. G. B. Siegert & Hijos | 7,258 | May 6, 1879 | 15 | 695 |
| Bitters, Stomach | C. Sallentine | 7,616 | Aug. 26, 1879 | 16 | 362 |
| Bits, gimlets, and other wood-boring implements | H. H. Mayhew & Co | 6,932 | Jan. 7, 1879 | 15 | 1 |
| Blacking, Boot and shoe | H. St. John | 7,028 | Feb. 11, 1879 | 15 | 165 |
| Bleaching compound | Holbrook Manufacturing Company | 7,168 | Apr. 8, 1879 | 15 | 508 |
| Blind-awning fixtures | C. P. Dearborn | 7,524 | July 22, 1879 | 16 | 141 |
| Blood-purifier and fattening-remedy | J. H. Langley | 7,079 | Mar. 4, 1879 | 15 | 296 |
| Blue, Laundry | Meyer, Bain & Co | 7,428 | June 24, 1879 | 15 | 1015 |
| Bluing, Laundry | L. H. Thomas | 7,095 | Mar. 11, 1879 | 15 | 344 |
| Boots | Stevenson & Slingluff | 7,330 | May 20, 1879 | 15 | 782 |
| Boots and shoes | C. H. Fargo & Co | 7,479 | July 8, 1879 | 16 | 49 |
| Boots and shoes | Helming, Wolf & Co | 7,346 | May 20, 1879 | 15 | 782 |
| Boots and shoes | Reed, Jones & Co | 6,961 | Jan. 21, 1879 | 15 | 59 |
| Boots and shoes | A. Meyer & Co | 7,086 | Mar. 11, 1879 | 15 | 344 |
| Boots, shoes, and brogans | W. F. Thorne & Co | 7,037 | Feb. 18, 1879 | 15 | 201 |
| Boots and shoes, Rubber | L. Candee & Co | 7,641 | Sept. 2, 1879 | 16 | 411 |
| Boots and shoes, Rubber | National Rubber Company | 7,557 | July 29, 1879 | 16 | 175 |
| Boots, shoes, and foot-coverings, India-rubber | L. Candee & Co | 7,741 | Oct. 21, 1879 | 16 | 725 |
| Boots, shoes, and foot-coverings, India-rubber | L. Candee & Co | 7,642 | Sept. 2, 1879 | 16 | 411 |
| Braid, Alpaca | E. W. Bedell | 7,552 | July 29, 1879 | 16 | 175 |
| Braid, Skirt | S. B. and M. Fleisher | 7,366 | May 27, 1879 | 15 | 834 |
| Bread, crackers, and biscuit | C. T. Goodwin & Sons | 7,292 | May 13, 1879 | 15 | 737 |
| Bread-making, &c., Chemical preparations for | Rumford Chemical Works | 7,159 | Apr. 8, 1879 | 15 | 507 |
| Bread-raising preparation | B. F. Barton | 7,691 | Sept. 23, 1879 | 16 | 547 |
| Bread-raising preparation | F. W. Jenkins & Brother | 7,247 | Apr. 29, 1879 | 15 | 651 |
| Brick, Fire | Newton & Co | 7,529 | July 22, 1879 | 16 | 141 |
| Brushes and combs, Hair | G. A. Scott | 7,477 | July 1, 1879 | 16 | 2 |
| Brushes made of bristles | Hanlou & Goodman | 7,668 | Sept. 9, 1879 | 16 | 461 |
| Brushes, painter's or glazier's brushes, and varnish-brushes, Wall. | Chicago White Lead and Oil Company | 7,305 | May 13, 1879 | 15 | 738 |
| Brushes, Toilet and other | F. Loonen & Son | 7,522 | July 22, 1879 | 16 | 141 |
| Buttons | A. and D. Flesh | 7,018 | Feb. 11, 1879 | 15 | 165 |
| Buttons, Shoe | Howard, Sanger & Co | 6,926 | Jan. 7, 1879 | 15 | 1 |
| Butter | G. W. Simpson | 6,941 | Jan. 7, 1879 | 15 | 2 |
| Butter | P. H. Van Riper & Co | 7,461 | July 1, 1879 | 16 | 2 |
| Butter, Preparation for coloring | J. C. Allan | 7,232 | Apr. 22, 1879 | 15 | 606 |
| **C.** | | | | | |
| Candies | M. Costello | 7,381 | June 3, 1879 | 15 | 883 |

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| For what purpose. | Name of patentee. | No. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|---|
| Candles | Lavenson, Winter & Co | 7,629 | Aug. 26, 1879 | 16 | 362 |
| Candles, Mining | Castle Brothers | 7,112 | Mar. 18, 1879 | 15 | 390 |
| Candles, Wax | W. T. Coleman & Co | 7,121 | Mar. 18, 1879 | 15 | 390 |
| Candles, Wax or mining | W. T. Coleman & Co | 7,120 | Mar. 18, 1879 | 15 | 390 |
| Candles, Wax or mining | W. T. Coleman & Co | 7,122 | Mar. 18, 1879 | 15 | 390 |
| Candles, Wax or mining | W. T. Coleman & Co | 7,123 | Mar. 18, 1879 | 15 | 390 |
| Candles, Wax or mining | W. T. Coleman & Co | 7,124 | Mar. 18, 1879 | 15 | 390 |
| Candles, Wax or mining | W. T. Coleman & Co | 7,363 | May 27, 1879 | 15 | 833 |
| Cane-mills | Deere, Mansur & Co | 7,384 | June 3, 1879 | 15 | 883 |
| Canned fruits, vegetables, and meats | San José Fruit Packing Company | 7,000 | Feb. 4, 1879 | 15 | 125 |
| Canned fruits, vegetables, and oysters | Mitchell, Fletcher & Co | 7,671 | Sept. 9, 1879 | 16 | 462 |
| Canned fruits, vegetables, oysters, and meats | J. E. Stansbury | 7,407 | June 10, 1879 | 15 | 926 |
| Canned goods | A. Stephani & Co | 7,049 | Feb. 25, 1879 | 15 | 249 |
| Canned meats | St. Louis Beef Canning Company | 7,287 | May 13, 1679 | 15 | 737 |
| Canned meats, fruits, and vegetables | Richardson & Robbins | 7,702 | Sept. 23, 1879 | 16 | 547 |
| Canned meats, fruits, vegetables, and mince-meat | J. Peirson | 6,988 | Jan. 28, 1879 | 15 | 87 |
| Canned or preserved edibles | W. Numsen & Sons | 6,950 | Jan. 14, 1879 | 15 | 33 |
| Canned or preserved edibles | W. Numsen & Sons | 6,951 | Jan. 14, 1879 | 15 | 33 |
| Canned oysters | Union Oyster Company of Baltimore City | 7,674 | Sept. 9, 1879 | 16 | 462 |
| Canned oysters, fruits, and vegetables | J. S. Farren & Co | 7,677 | Sept. 9, 1879 | 16 | 462 |
| Canned salmon | J. W. & V. Cook | 7,109 | Mar. 18, 1879 | 15 | 390 |
| Canned salmon and other fish | W. T. Coleman & Co | 7,745 | Oct. 21, 1879 | 16 | 725 |
| Canned vegetables | Wilson, Stewart & Co | 7,426 | June 17, 1879 | 15 | 972 |
| Cards, tags, and labels, Printed | New York Label Publishing Company | 7,348 | May 20, 1879 | 15 | 782 |
| Carpets, mats, and rugs, Jacquard Brussels and Wilton | Bigelow Carpet Company | 6,921 | Jan. 7, 1879 | 15 | 1 |
| Carriage-springs | A. A. Dart Company | 7,543 | July 22, 1879 | 16 | 142 |
| Cartridges and percussion-caps | Eley Brothers | 7,233 | Apr. 22, 1879 | 15 | 606 |
| Catarrh-remedy | A. De Voe | 7,053 | Feb. 25, 1879 | 15 | 249 |
| Champagne wine | J. Bollinger | 7,160 | Apr. 8, 1879 | 15 | 507 |
| Cheese | F. Korbel & Brothers | 7,766 | Nov. 4, 1879 | 16 | 811 |
| Cheese | F. A. Lucas and F. E. Hurlbut | 7,241 | Apr. 29, 1879 | 15 | 651 |
| Chicory | G. Bartelo | 7,166 | Apr. 8, 1879 | 15 | 508 |
| Chili-sauce | W. G. Tobin and E. D. L. Wickes | 7,719 | Oct. 7, 1879 | 16 | 633 |
| Chocolate | H. L. Pierce | 6,999 | Feb. 4, 1879 | 15 | 125 |
| Cider-mills | Whitman Agricultural Company | 7,709 | Sept. 30, 1879 | 16 | 589 |
| Cigarette-paper | W. Demuth | 7,425 | June 17, 1879 | 15 | 972 |
| Cigarettes | P. H. Ertheiler | 7,503 | July 15, 1879 | 16 | 97 |
| Cigarettes | B. Leidersdorf & Co | 7,656 | Sept. 9, 1879 | 16 | 461 |
| Cigarettes and chewing and smoking tobacco | P. L. Chambers | 7,545 | July 22, 1879 | 16 | 142 |
| Cigarettes and chewing-tobacco | Goodwin & Co | 7,274 | May 6, 1879 | 15 | 696 |
| Cigarettes and cigars | J. R. Sutton | 7,757 | Oct. 28, 1879 | 16 | 767 |
| Cigarettes and smoking and chewing tobacco | D. Hirsch & Co | 7,473 | July 1, 1879 | 16 | 2 |
| Cigars | C. R. Becker | 7,398 | June 10, 1879 | 15 | 925 |
| Cigars | B. F. Beckman & Co | 7,307 | May 20, 1879 | 15 | 781 |
| Cigars | G. Bence | 7,573 | Aug. 12, 1879 | 16 | 269 |
| Cigars | Bott & Frintrup | 7,180 | Apr. 15, 1879 | 15 | 557 |
| Cigars | J. S. Bowman & Co | 6,943 | Jan. 14, 1879 | 15 | 33 |
| Cigars | B. P. Clark & Co | 6,980 | Jan. 28, 1879 | 15 | 87 |
| Cigars | J. Elbling | 7,048 | Feb. 25, 1879 | 15 | 249 |
| Cigars | J. T. Emerick | 7,181 | Apr. 15, 1879 | 15 | 557 |
| Cigars | M. Ephraim | 7,016 | Feb. 11, 1879 | 15 | 165 |
| Cigars | G. Fuchs | 7,386 | June 3, 1879 | 15 | 883 |
| Cigars | Gordon & Campbell | 7,505 | July 15, 1879 | 16 | 97 |
| Cigars | L. Gutman | 6,925 | Jan. 7, 1879 | 15 | 1 |
| Cigars | D. Harris | 7,183 | Apr. 15, 1879 | 15 | 557 |
| Cigars | L. Hirschhorn & Co | 7,347 | May 20, 1879 | 15 | 782 |
| Cigars | L. Hirschhorn & Co | 7,452 | July 1, 1879 | 16 | 1 |
| Cigars | M. Hutchinson | 7,566 | Aug. 5, 1879 | 16 | 221 |
| Cigars | Kalman Brothers | 7,397 | June 10, 1879 | 15 | 925 |
| Cigars | G. A. Kent & Co | 7,443 | June 24, 1879 | 15 | 1016 |
| Cigars | M. P. Kohlberg & Co | 7,628 | Aug. 26, 1879 | 16 | 362 |
| Cigars | Krohn, Feiss & Co | 7,267 | May 6, 1879 | 15 | 695 |
| Cigars | L. Kuttnauer | 7,694 | Sept. 23, 1879 | 16 | 547 |
| Cigars | B. Leidersdorf & Co | 7,262 | May 6, 1879 | 15 | 695 |
| Cigars | S. Lowenthal & Co | 7,240 | Apr. 29, 1879 | 15 | 651 |
| Cigars | S. Lowenthal & Co | 7,245 | Apr. 29, 1879 | 15 | 651 |
| Cigars | R. W. Oliver and J. E. Robinson | 7,544 | July 22, 1879 | 16 | 142 |
| Cigars | F. Olsem | 7,787 | Dec. 30, 1879 | 16 | 1190 |
| Cigars | J. E. Owins | 7,640 | Sept. 2, 1879 | 16 | 411 |
| Cigars | Rokohl & Co | 7,579 | Aug. 12, 1879 | 16 | 269 |
| Cigars | Sanderson & Horn | 7,824 | May 20, 1879 | 15 | 782 |
| Cigars | Sanderson & Horn | 7,664 | Sept. 9, 1879 | 16 | 461 |
| Cigars | E. A. Smith | 7,625 | Aug. 26, 1879 | 16 | 362 |
| Cigars | E. A. Smith | 7,748 | Oct. 21, 1879 | 16 | 726 |
| Cigars | Steinberg Brothers & Co | 7,750 | Oct. 21, 1879 | 16 | 726 |
| Cigars | Sullivan & Burk | 7,035 | Feb. 18, 1879 | 15 | 201 |
| Cigars | Toledo & Barrance | 7,721 | Oct. 7, 1879 | 16 | 633 |
| Cigars | C. Upmann | 7,062 | Mar. 4, 1879 | 15 | 295 |
| Cigars | J. B. Wilson & Co | 7,763 | Oct. 28, 1879 | 16 | 767 |
| Cigars | J. E. Winterfeldt | 7,392 | June 3, 1879 | 15 | 884 |
| Cigars and cheroots | King & Whitman | 6,929 | Jan. 7, 1879 | 15 | 1 |
| Cigars and cigarettes | Fitzpatrick & Draper | 7,734 | Oct. 21, 1879 | 16 | 725 |
| Cigars and cigarettes | Fitzpatrick & Draper | 7,751 | Oct. 28, 1879 | 16 | 767 |
| Cigars and cigarettes | R. Jenkins | 7,614 | Aug. 26, 1879 | 16 | 362 |
| Cigars and cigarettes | Seidenberg & Co | 7,216 | Apr. 22, 1879 | 15 | 605 |
| Cigars and cigarettes | Seidenberg & Co | 7,217 | Apr. 22, 1879 | 15 | 605 |
| Cigars and cigarettes | Seidenberg & Co | 7,218 | Apr. 22, 1879 | 16 | 605 |
| Cigars, cigarettes, and cheroots | Rosenthal Brothers | 7,591 | Aug. 12, 1879 | 16 | 270 |
| Cigars, cigarettes, and chewing and smoking tobacco | E. Aschermann & Co | 7,747 | Oct. 21, 1879 | 16 | 725 |
| Cigars, cigarettes, and chewing and smoking tobacco | Goodwin & Co | 7,722 | Oct. 7, 1879 | 16 | 633 |
| Cigars, cigarettes, and chewing and smoking tobacco | L. Hirschhorn & Co | 7,655 | Sept. 9, 1879 | 16 | 461 |
| Cigars, cigarettes, and chewing and smoking tobacco | J. Rauch | 7,256 | May 6, 1879 | 15 | 695 |
| Cigars, cigarettes, and chewing and smoking tobacco | J. Rauch | 7,257 | May 6, 1879 | 16 | 695 |
| Cigars, cigarettes, and manufactured tobacco | M. L. Cohn | 7,776 | Nov. 11, 1879 | 16 | 859 |

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| For what purpose. | Name of patentee. | No. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|---|
| Cigars, cigarettes, and smoking and chewing tobacco | J. Baron & Co | 7,206 | Apr. 22, 1879 | 15 | 605 |
| Cigars, cigarettes, and smoking and chewing tobacco | Bondy & Lederer | 7,394 | June 10, 1879 | 15 | 925 |
| Cigars, cigarettes, and smoking and chewing tobacco | R. C. Brown | 7,395 | June 10, 1879 | 15 | 925 |
| Cigars, cigarettes, and smoking and chewing tobacco | H. Crandall | 7,396 | June 10, 1879 | 15 | 925 |
| Cigars, cigarettes, and smoking and chewing tobacco | C. G. Emery | 7,520 | July 15, 1879 | 16 | 98 |
| Cigars, cigarettes, and smoking and chewing tobacco | D. Frankel | 7,403 | June 10, 1879 | 15 | 925 |
| Cigars, cigarettes, and smoking and chewing tobacco | Heyman Brothers & Lowenstein | 7,502 | July 15, 1879 | 16 | 97 |
| Cigars, cigarettes, and smoking and chewing tobacco | E. Hilson | 7,038 | Feb. 18, 1879 | 15 | 201 |
| Cigars, cigarettes, and smoking and chewing tobacco | S. Jacoby & Co | 7,047 | Feb. 25, 1879 | 15 | 249 |
| Cigars, cigarettes, and smoking and chewing tobacco | M. Jacoby & Co | 7,311 | May 20, 1879 | 15 | 781 |
| Cigars, cigarettes, and smoking and chewing tobacco | M. Jacoby & Co | 7,312 | May 20, 1879 | 15 | 781 |
| Cigars, cigarettes, and smoking and chewing tobacco | M. Jacoby & Co | 7,313 | May 20, 1879 | 15 | 781 |
| Cigars, cigarettes, and smoking and chewing tobacco | M. Jacoby & Co | 7,314 | May 20, 1879 | 15 | 781 |
| Cigars, cigarettes, and smoking and chewing tobacco | M. Jacoby & Co | 7,315 | May 20, 1879 | 15 | 781 |
| Cigars, cigarettes, and smoking and chewing tobacco | M. Jacoby & Co | 7,316 | May 20, 1879 | 15 | 781 |
| Cigars, cigarettes, and smoking and chewing tobacco | S. Jacoby & Co | 7,764 | Nov. 4, 1879 | 16 | 811 |
| Cigars, cigarettes, and smoking and chewing tobacco | H. R. Kelly | 7,622 | Aug. 26, 1879 | 16 | 362 |
| Cigars, cigarettes, and smoking and chewing tobacco | H. R. Kelly | 7,735 | Oct. 21, 1879 | 16 | 725 |
| Cigars, cigarettes, and smoking and chewing tobacco | H. R. Kelly | 7,736 | Oct. 21, 1879 | 16 | 725 |
| Cigars, cigarettes, and smoking and chewing tobacco | T. R. Kendall and L. Clock | 7,486 | July 8, 1879 | 16 | 49 |
| Cigars, cigarettes, and smoking and chewing tobacco | Kerbs & Spiess | 6,975 | Jan. 28, 1879 | 15 | 87 |
| Cigars, cigarettes, and smoking and chewing tobacco | Kerbs & Spiess | 7,213 | Apr. 22, 1879 | 15 | 605 |
| Cigars, cigarettes, and smoking and chewing tobacco | Kerbs & Spiess | 7,280 | May 13, 1879 | 15 | 737 |
| Cigars, cigarettes, and smoking and chewing tobacco | Kerbs & Spiess | 7,414 | June 17, 1879 | 15 | 971 |
| Cigars, cigarettes, and smoking and chewing tobacco | Kerbs & Spiess | 7,560 | Aug. 5, 1879 | 16 | 221 |
| Cigars, cigarettes, and smoking and chewing tobacco | A. Lichtenstein & Brother | 7,080 | Mar. 4, 1879 | 15 | 296 |
| Cigars, cigarettes, and smoking and chewing tobacco | F. McCoy | 7,657 | Sept. 9, 1879 | 16 | 461 |
| Cigars, cigarettes, and smoking and chewing tobacco | McCoy & Co | 6,998 | Feb. 4, 1879 | 15 | 125 |
| Cigars, cigarettes, and smoking and chewing tobacco | H. Muller | 7,744 | Oct. 21, 1879 | 16 | 725 |
| Cigars, cigarettes, and smoking and chewing tobacco | H. Waldron | 7,485 | July 8, 1879 | 16 | 49 |
| Cigars, cigarettes, and smoking-tobacco | M. Jacoby & Son | 7,526 | July 22, 1879 | 16 | 141 |
| Cigars, cigarettes, and smoking-tobacco | S. Ottenberg | 7,281 | Aug. 13, 1879 | 15 | 737 |
| Cigars, cigarettes, and smoking-tobacco | L. Simons & Brother | 7,738 | Oct. 21, 1879 | 16 | 725 |
| Cigars, cigarettes, and smoking-tobacco | Straiton & Storm | 7,283 | May 13, 1879 | 15 | 737 |
| Cigars, cigarettes, and smoking-tobacco | Straiton & Storm | 7,284 | May 13, 1879 | 15 | 737 |
| Cigars, cigarettes, and smoking-tobacco | Straiton & Storm | 7,285 | May 13, 1879 | 15 | 737 |
| Cigars, cigarettes, and smoking-tobacco | Straiton & Storm | 7,301 | May 13, 1879 | 15 | 738 |
| Cigars, cigarattes, and smoking-tobacco | Straiton & Storm | 7,353 | May 27, 1879 | 15 | 833 |
| Cigars, cigarettes, and smoking-tobacco | Straiton & Storm | 7,354 | May 27, 1879 | 15 | 833 |
| Cigars, cigarettes, and smoking-tobacco | Straiton & Storm | 7,364 | May 27, 1879 | 15 | 833 |
| Cigars, cigarettes, and smoking-tobacco | Straiton & Storm | 7,379 | June 3, 1879 | 15 | 883 |
| Cigars, cigarettes, and smoking-tobacco | Straiton & Storm | 7,460 | July 1, 1879 | 16 | 2 |
| Cigars, cigarettes, and smoking-tobacco | Straiton & Storm | 7,504 | July 13, 1879 | 16 | 97 |
| Cigars, cigarettes, and smoking-tobacco | Straiton & Storm | 7,574 | Aug. 12, 1879 | 16 | 269 |
| Cigars, cigarettes, chewing, smoking, granulated, and plug tobacco, and snuff. | G. W. Van Slyke & Co | 7,535 | July 22, 1879 | 16 | 141 |
| Cigars, cigarettes, plug and fine-cut chewing and smoking tobacco, and snuff. | Dohan, Carroll & Co | 7,604 | Aug. 19, 1879 | 16 | 319 |
| Cigars, cigarettes, plug, and other chewing tobacco, and smoking-tobacco. | W. Duke, Sons & Co | 7,731 | Oct. 14, 1879 | 16 | 681 |
| Cigars, cigarettes, and smoking and chewing tobacco | W. Davies | 7,652 | Sept. 2, 1879 | 16 | 412 |
| Cigars, cigarettes, and smoking and chewing tobacco | Goodwin & Co | 7,370 | May 27, 1879 | 15 | 834 |
| Cigars, cigarettes, smoking and chewing tobacco, and snuff. | F. W. Felgner & Son | 6,957 | Jan. 21, 1879 | 15 | 59 |
| Cigars, cigarettes, smoking and chewing tobacco, and snuff. | H. Welsh | 7,357 | May 27, 1879 | 15 | 833 |
| Cleansing preparation for removing stains, &c | W. Cauldwell and L. C. Hubbard | 7,063 | Mar. 4, 1879 | 15 | 295 |
| Clocks | Ansonia Clock Company | 7,015 | Feb. 11, 1879 | 15 | 165 |
| Clocks | H. J. Davies | 7,248 | Apr. 29, 1879 | 15 | 651 |
| Cloth, such as broadcloth, cassimeres, satinets, and flannels, Woolen. | J. J. Scholfield | 6,937 | Jan. 7, 1879 | 15 | 2 |
| Clothes-wringers | Eureka Clothes Wringing Machine Company. | 6,923 | Jan. 7, 1879 | 15 | 1 |
| Clothing, Men's, young men's, boys' and children's | B. W. Currier | 7,174 | Apr. 8, 1879 | 15 | 508 |
| Clothing, Such as overalls, blouses, &c | Heynemann & Co | 7,125 | Mar. 18, 1879 | 15 | 390 |
| Clover-machines | Hagerstown Agricultural Implement Manufacturing Company. | 7,327 | May 20, 1879 | 15 | 782 |
| Coal | Akron Iron Company | 7,090 | Mar. 11, 1879 | 15 | 344 |
| Coal | Whitebreast Coal and Mining Company. | 7,321 | May 20, 1879 | 15 | 782 |
| Cocoa, Dietetic | H. Maillard | 7,528 | July 22, 1879 | 16 | 141 |
| Coffee | A. L. and B. L. Ackermann, jr | 7,580 | Aug. 12, 1879 | 16 | 269 |
| Coffee | E. Guittard | 6,993 | Feb. 4, 1879 | 15 | 125 |
| Coffee | Sherman Brothers & Co | 7,060 | Mar. 4, 1879 | 15 | 295 |
| Coffee and roasted and ground coffee, Roasted | E. Guittard & Co | 7,432 | June 24, 1879 | 15 | 1015 |
| Coffee and spices | E. Adelsdorfer & Co | 7,339 | May 20, 1879 | 15 | 782 |
| Coffee, Chicory and other substitutes for | H. F. Söhne | 7,514 | July 15, 1879 | 16 | 97 |
| Coffee, Essence of | A. L. Ackerman | 7,203 | Apr. 15, 1879 | 15 | 558 |
| Coffee, Ground | A. P. Adams | 7,277 | May 13, 1879 | 15 | 737 |
| Coffee, Ground | Basley & McAlvanah | 7,478 | July 8, 1879 | 16 | 49 |
| Coffee, Preparations of ground | J. B. Carrière | 7,583 | Aug. 12, 1879 | 16 | 269 |
| Coffee, Roasted and ground | Barkley & Hasson | 6,979 | Jan. 28, 1879 | 15 | 87 |
| Coffee, Roasted and ground | E. Guittard | 6,991 | Feb. 4, 1879 | 15 | 125 |
| Coffee, Roasted and ground | E. Guittard | 6,994 | Feb. 4, 1879 | 15 | 125 |
| Coffee, Roasted and ground | E. Guittard | 7,129 | Mar. 25, 1879 | 15 | 428 |
| Coffee, Roasted and ground | E. Guittard | 7,130 | Mar. 25, 1879 | 15 | 428 |
| Collars and cuffs | G. B. Cluett, Brother & Co | 7,055 | Mar. 4, 1879 | 15 | 295 |
| Cologne | F. Hoyt | 7,250 | Apr. 29, 1879 | 15 | 652 |
| Cologne water | J. M. Farina | 7,020 | Feb. 11, 1879 | 15 | 165 |
| Cologne water | G. W. Williams & Co | 7,091 | Mar. 11, 1879 | 15 | 344 |
| Cordage | C. W. Hunt | 7,115 | Mar. 18, 1879 | 15 | 390 |
| Cordials | J. G. B. Siegert & Hijos | 7,449 | July 1, 1879 | 16 | 1 |
| Corn, Ground and crushed pop | E. Maynard and F. A. Wichelman | 7,527 | July 22, 1879 | 16 | 141 |
| Corn-starch, Preparation of | A. Erkenbrecher | 7,359 | May 27, 1879 | 15 | 833 |
| Corns, bunions, &c., Remedy for the cure of | C. O. McCreedy | 7,700 | Sept. 23, 1879 | 16 | 547 |
| Corsets | P. Dutoict & Co | 7,410 | June 17, 1879 | 15 | 971 |
| Cosmetics | L. F. Marshall | 6,996 | Feb. 4, 1879 | 15 | 125 |
| Cotton and wool, Balls of knitting | W. B. Riddle | 7,703 | Sept. 23, 1879 | 16 | 547 |

*Alphabetical list of trade-marks*—Continued.

| For what purpose. | Name of patentee. | No. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|---|
| Cotton fabrics, unbleached, bleached, and colored, Woven | G. J. Browne | 7,609 | Aug. 26, 1879 | 16 | 362 |
| Cotton-gins | Printup, Brother & Pollard | 7,042 | Feb. 18, 1879 | 15 | 201 |
| Cotton goods | Forbes Lithograph Manufacturing Company. | 7,518 | July 15, 1879 | 16 | 98 |
| Cotton goods | Forbes Lithographic Manufacturing Company. | 7,774 | Nov. 11, 1879 | 16 | 859 |
| Cotton goods | E. Lyon | 7,482 | July 8, 1879 | 16 | 49 |
| Cotton piece-goods | Stark Mills | 7,142 | Apr. 1, 1879 | 15 | 465 |
| Cough and croup sirup | C. B. Kingsley | 7,140 | Apr. 1, 1879 | 15 | 465 |
| Cough-mixture | W. H. D. Newth and C. Lux | 7,412 | June 17, 1879 | 15 | 971 |
| Cough-remedy | Rohrbach & Co | 7,186 | Apr. 15, 1879 | 15 | 557 |
| Cough-sirup | J. Adams | 7,501 | July 15, 1879 | 16 | 97 |
| Cough-sirup | W. M. Caterson | 7,325 | May 20, 1879 | 15 | 782 |
| Cough-sirup | L. L. Gooch | 7,235 | Apr. 22, 1879 | 15 | 606 |
| Cough-sirup | I. E. Wilbur | 7,295 | May 13, 1879 | 15 | 738 |
| Coughs, colds, and catarrh, Remedy for | H. T. Buttle | 7,197 | Apr. 15, 1879 | 15 | 558 |
| Crackers, biscuits, &c | J. J. Langles & Co | 7,268 | May 6, 1879 | 15 | 695 |
| Cradles, scythe-snaths, &c., Grain | Semple & Birge Manufacturing Company. | 7,051 | Feb. 25, 1879 | 15 | 249 |
| Crayons, Marking | Baker, Pratt & Company | 7,781 | Dec. 23, 1879 | 16 | 1143 |
| Cutlery | F. Ward & Co | 6,953 | Jan. 14, 1879 | 15 | 33 |
| Cutlery, Pocket | J. Russell Cutlery Company | 7,349 | May 20, 1879 | 15 | 782 |
| Cutlery, pocket-cutlery, and butcher-knives, Table | Frary Cutlery Company | 7,667 | Sept. 9, 1879 | 16 | 461 |
| Cutlery, pocket-cutlery, and butcher-knives, Table | Landers, Frary & Clark | 7,586 | Aug. 12, 1879 | 16 | 269 |
| Cutlery, Table | Rogers & Son | 7,157 | Apr. 8, 1879 | 15 | 507 |
| Cutlery, Table | J. Russell Cutlery Company | 7,034 | Feb. 18, 1879 | 15 | 201 |
| **D.** | | | | | |
| Dental plates | Q. A. Scott | 7,177 | Apr. 8, 1879 | 15 | 508 |
| Dental rubber, gold pellets, amalgam teeth, and east varnish. | L. S. Smith | 7,686 | Sept. 16, 1879 | 16 | 501 |
| Diaries | J. Gladding & Son | 7,595 | Aug. 19, 1879 | 16 | 319 |
| Druggists' or medicinal preparations | J. A. Heintzelman | 7,229 | Apr. 22, 1879 | 15 | 606 |
| Dry-goods | Eddystone Manufacturing Company | 7,302 | May 13, 1879 | 15 | 738 |
| Dyes or coloring matters, Coal-tar | A. F. Poirrier | 7,590 | Aug. 12, 1879 | 16 | 270 |
| Dyspepsia-cure | J. C. D. Curtiss | 7,369 | May 27, 1879 | 15 | 834 |
| Dyspepsia, liver-complaint, &c., Remedy for | R. L. Moore | 7,126 | Mar. 18, 1879 | 15 | 390 |
| Dyspepsia powders and pills | G. W. Folts | 7,057 | Mar. 4, 1879 | 15 | 295 |
| Dyspepsia-remedy | Goetchius & Worden | 7,548 | July 29, 1879 | 16 | 175 |
| **E.** | | | | | |
| Earth-working tools | Collins Company | 7,644 | Sept. 2, 1879 | 16 | 411 |
| Edge-tools | Collins Company | 7,094 | Mar. 11, 1879 | 15 | 344 |
| Electroplated table-ware | W. Rogers | 7,497 | July 8, 1879 | 16 | 50 |
| Epilepsy, Remedy for | Basye & Co | 7,299 | May 13, 1879 | 15 | 738 |
| Export-tables | B. Weber | 7,019 | Feb. 11, 1879 | 16 | 165 |
| **F.** | | | | | |
| Fans, Grain | J. Montgomery | 7,032 | Feb. 18, 1879 | 15 | 201 |
| Fence-wire, Barb | Ohio Steel Barb Fence Company | 7,185 | Apr. 15, 1879 | 15 | 557 |
| Fertilizer, Certain | Quinnipiac Fertilizer Company | 7,427 | June 17, 1879 | 15 | 972 |
| Fertilizers | H. O. Devries | 7,571 | Aug. 5, 1879 | 16 | 221 |
| Fertilizers | J. L. Hellings and J. B. Wilson | 7,464 | July 1, 1879 | 16 | 2 |
| Fertilizers | Jarves & Hooper | 7,634 | Sept. 2, 1879 | 16 | 411 |
| Fertilizers | V. Lord | 7,230 | Apr. 22, 1879 | 15 | 606 |
| Fertilizers | J. Walker | 7,770 | Nov. 4, 1879 | 16 | 811 |
| Fertilizers | A. J. Weddeiburn | 7,439 | June 24, 1879 | 15 | 1016 |
| Fertilizers, Ammoniated | Moses & De Leon | 7,753 | Oct. 28, 1879 | 16 | 767 |
| Fertilizers for flowers | W. H. Bowker & Co | 7,041 | Feb. 18, 1879 | 15 | 201 |
| Fertilizing compositions or compounds | Chesapeake Guano Company | 7,355 | May 27, 1879 | 15 | 833 |
| Fertilizing compositions or compounds | Lorentz & Rittler | 7,455 | July 1, 1879 | 16 | 1 |
| Fertilizing compositions or compounds | W. Peters | 7,399 | June 10, 1879 | 15 | 925 |
| Fertilizing compositions or compounds | R. W. L. Rasin & Co | 7,385 | June 3, 1879 | 15 | 883 |
| Fertilizing compositions or compounds | R. W. L. Rasin & Co | 7,419 | June 17, 1879 | 15 | 971 |
| Fertilizing compositions or compounds | R. W. L. Rasin & Co | 7,459 | July 1, 1879 | 16 | 2 |
| Fertilizing compositions or compounds | R. W. L. Rasin & Co | 7,708 | Sept. 30, 1879 | 16 | 589 |
| Fertilizing compositions or compounds | R. W. L. Rasin & Co | 7,765 | Nov. 4, 1879 | 16 | 811 |
| Fever-and-ague and liver pads | Hamburg Ague Pad Company | 7,300 | May 13, 1879 | 15 | 738 |
| Fever, ague, and liver pads | J. Fleming | 7,077 | Mar. 4, 1879 | 15 | 296 |
| Figs | Dabney, Simmons & Co | 7,710 | Sept. 30, 1879 | 16 | 589 |
| Figs | Dabney, Simmons & Co | 7,711 | Sept. 30, 1879 | 16 | 589 |
| Fish, Cured | J. G. Schmidt | 7,282 | May 13, 1879 | 15 | 737 |
| Flour | T. J. Cox | 7,601 | Aug. 19, 1879 | 16 | 319 |
| Flour | Imbs, Meyer & Co | 7,012 | Feb. 11, 1879 | 15 | 165 |
| Flour | E. F. Jackson | 7,046 | Feb. 25, 1879 | 15 | 249 |
| Flour | A. H. Mojarrieta & Co | 7,341 | May 20, 1879 | 15 | 782 |
| Flour | B. R. Pegram, jr | 7,417 | June 17, 1879 | 15 | 971 |
| Flour | B. R. Pegram, jr | 7,418 | June 17, 1879 | 15 | 971 |
| Flour | Rolston, Hall & Co | 7,367 | May 27, 1879 | 15 | 834 |
| Flour | H. H. Swift & Co | 7,026 | Feb. 11, 1879 | 15 | 165 |
| Flour | H. H. Swift & Co | 7,027 | Feb. 11, 1879 | 15 | 165 |
| Flour | Thomas & Benham | 7,380 | June 3, 1879 | 15 | 883 |
| Flour | Thomas & Co | 7,375 | May 27, 1879 | 15 | 834 |
| Flour | Wilkinson, Gaddis & Co | 7,742 | Oct. 21, 1879 | 16 | 725 |
| Flour | Woodward & Dwight | 7,288 | May 13, 1879 | 15 | 737 |
| Flour, Corn | Glen Cove Starch Manufacturing Company. | 7,103 | Mar. 11, 1879 | 15 | 344 |
| Flour, Corn | Glen Cove Starch Manufacturing Company. | 7,104 | Mar. 11, 1879 | 15 | 344 |
| Flour, Corn | Glen Cove Starch Manufacturing Company. | 7,105 | Mar. 11, 1879 | 15 | 344 |
| Flour, meal, &c | Texas Star Flour Mills | 7,306 | May 13, 1879 | 15 | 738 |

*Alphabetical list of trade-marks*—Continued.

| For what purpose. | Name of patentee. | No. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|---|
| Food, Animal | J. S. Knapp | 7,670 | Sept. 9, 1879 | 16 | 461 |
| Food for children | A. Weissbein | 7,516 | July 15, 1879 | 16 | 98 |
| Forks, hoes, rakes, &c., Hay and manure | Stafford & Holden Manufacturing Company. | 7,010 | Feb. 4, 1879 | 15 | 126 |
| Fruit-jars | Consolidated Fruit Jar Company | 7,752 | Oct. 28, 1879 | 16 | 767 |
| G. | | | | | |
| Galvanic batteries | H. L. Roosevelt | 7,531 | July 22, 1879 | 16 | 141 |
| Garments, Water-proof | H. M. Sawyer | 7,378 | June 3, 1879 | 15 | 883 |
| Gin | F. Boegler | 7,146 | Apr. 1, 1879 | 15 | 465 |
| Gin | Corning & Co | 7,470 | July 1, 1879 | 16 | 2 |
| Gin | H. H. Schufeldt & Co | 7,672 | Sept. 9, 1879 | 16 | 462 |
| Gin | I. H. Smith's Sons | 7,175 | Apr. 8, 1879 | 15 | 508 |
| Gloves | Goodyear's India Rubber Glove Manufacturing Company. | 7,149 | Apr. 1, 1879 | 15 | 465 |
| Gloves and mittens | C. Parker | 7,483 | July 8, 1879 | 16 | 49 |
| Gloves and suspenders | Fisk, Clark & Flagg | 7,723 | Oct. 14, 1879 | 16 | 681 |
| Gloves, Kid | W. F. Foster | 7,336 | May 20, 1879 | 15 | 782 |
| Gloves, Kid | J. Gutman & Co | 7,182 | Apr. 15, 1879 | 15 | 557 |
| Gloves, Kid and lamb-skin | G. Cramer | 7,602 | Aug. 19, 1879 | 16 | 319 |
| Glue | Wahl Brothers | 7,073 | Mar. 4, 1879 | 15 | 296 |
| Glue, Fluid | Keller & Hainbach | 6,928 | Jan. 7, 1879 | 15 | 1 |
| Grain-bags | C. F. & G. E. Cutler | 6,922 | Jan. 7, 1879 | 15 | 1 |
| Grain separators, cleaners, and baggers | Geiser Manufacturing Company | 7,546 | July 22, 1879 | 16 | 142 |
| Guano | R. W. L. Rasin & Co | 6,969 | Jan. 21, 1879 | 15 | 59 |
| Guano, phosphate, or other fertilizing compositions | R. W. L. Rasin & Co | 7,087 | Mar. 11, 1879 | 15 | 344 |
| Guano, Soluble sea-island | R. W. L. Rasin | 7,242 | Apr. 29, 1879 | 15 | 651 |
| H. | | | | | |
| Hair and head, Toilet preparations for the | W. E. Jervey | 6,945 | Jan. 14, 1879 | 15 | 33 |
| Hair-dye | H. Blair | 7,713 | Sept. 30, 1879 | 16 | 589 |
| Hair-dye | G. R. Finlay & Co | 7,665 | Sept. 9, 1879 | 16 | 461 |
| Hair goods for ladies' wear | M. E. Thompson | 7,040 | Feb. 18, 1879 | 15 | 201 |
| Hair-nets and other reticulated fabrics | A. G. Jennings | 7,767 | Nov. 4, 1879 | 16 | 811 |
| Hair, Pomades or pomatum for the | H. S. Evans | 7,699 | Sept. 23, 1879 | 16 | 547 |
| Hair, Preparation for the | Cook & Flint | 7,463 | July 1, 1879 | 16 | 2 |
| Hair, Preparation for the | J. Nantz | 7,754 | Oct. 28, 1879 | 16 | 767 |
| Hair-restorer | J. Lloyd | 7,388 | June 3, 1879 | 15 | 883 |
| Hair tonic, restorative, and dressing | P. W. Ziegler and M. W. Case | 7,155 | Apr. 1, 1879 | 15 | 466 |
| Hams | Keck Provision and Packing Company | 7,227 | Apr. 22, 1879 | 15 | 606 |
| Hams and bacon | P. T. George & Co | 7,119 | Mar. 18, 1879 | 15 | 390 |
| Hams, bacon, and other smoked meats | F. Link & Son | 7,481 | July 8, 1879 | 16 | 49 |
| Hardware, Saddlery | North and Judd Manufacturing Company. | 7,201 | Apr. 15, 1879 | 15 | 558 |
| Hats | R. Dunlap | 7,276 | May 6, 1879 | 15 | 696 |
| Hats and caps | Abbott & Gibson | 7,228 | Apr. 22, 1879 | 15 | 606 |
| Hats, Straw | J. Thomas | 7,236 | Apr. 22, 1879 | 15 | 606 |
| Hats, Water-proof | H. M. Sawyer | 7,323 | May 20, 1879 | 15 | 782 |
| Hay-rake, Horse | Ithaca Agricultural Works | 7,226 | Apr. 22, 1879 | 15 | 606 |
| Hoes | Moritz & Keidel | 7,513 | July 15, 1879 | 15 | 97 |
| Hoes | Semple & Birge Manufacturing Company. | 7,039 | Feb. 18, 1879 | 15 | 201 |
| Horse and cattle powders | H. O. Filer | 7,249 | Apr. 29, 1879 | 15 | 651 |
| Horse-nails | Putnam Nail Company | 7,188 | Apr. 15, 1879 | 15 | 557 |
| Horse-nails | Putnam Nail Company | 7,189 | Apr. 15, 1879 | 15 | 557 |
| Horseshoe-nails | Anvil Nail Company | 7,099 | Mar. 11, 1879 | 15 | 344 |
| Hose, Fire | H. F. Herkner | 7,761 | Oct. 28, 1879 | 16 | 767 |
| I. | | | | | |
| Ink, Volatile | A. A. Wright | 7,517 | July 15, 1879 | 16 | 98 |
| Insect-poison | H. W. Hemingway | 7,422 | June 17, 1879 | 15 | 972 |
| Insect-powders, Bellows or blowers for distributing | Young & Stern | 7,165 | Apr. 8, 1879 | 15 | 507 |
| Iron and steel | W. Barrows & Sons | 7,198 | Apr. 15, 1879 | 15 | 558 |
| K. | | | | | |
| Koumiss, a medicinal beverage | A. Myers | 7,556 | July 29, 1879 | 16 | 175 |
| L. | | | | | |
| Lamp chimneys and shades | Pabst & Arming | 7,263 | May 6, 1879 | 15 | 695 |
| Lanterns | Buckeye Lantern Company | 7,097 | Mar. 11, 1879 | 15 | 344 |
| Lard | W. J. Wilcox & Co | 7,368 | May 27, 1879 | 15 | 834 |
| Lard and cured meats in packages | J. M. Decker | 6,990 | Feb. 4, 1879 | 15 | 125 |
| Lard and tallow for druggists' use | F. K. Edwards | 7,402 | June 10, 1879 | 15 | 925 |
| Lead, White | Chicago White Lead and Oil Company | 7,444 | July 1, 1879 | 16 | 1 |
| Lead, White | Chicago White Lead and Oil Company | 7,445 | July 1, 1879 | 16 | 1 |
| Lead, White | Chicago White Lead and Oil Company | 7,704 | Sept. 23, 1879 | 16 | 547 |
| Lead, White | Collier White Lead and Oil Company | 7,108 | Mar. 18, 1879 | 15 | 390 |
| Leather | J. G. Hoffman & Son | 7,192 | Apr. 15, 1879 | 15 | 557 |
| Leather | Kiefer, Stifel & Co | 7,143 | Apr. 1, 1879 | 15 | 465 |
| Leather, hides, skins, &c | A. Waring & Co | 7,030 | Feb. 11, 1879 | 15 | 166 |
| Licorice, Mass | A. Y. Stokes & Co | 7,498 | July 8, 1879 | 16 | 50 |
| Licorice, Mass | A. Y. Stokes & Co | 7,499 | July 8, 1879 | 16 | 50 |
| Lime juice sirup | Douglas Brothers | 7,688 | Sept. 16, 1879 | 16 | 501 |
| Linen and cotton piece-goods | G. & J. Ballin | 7,775 | Nov. 11, 1879 | 16 | 859 |
| Linen goods, curtain-muslins and linings (excepting wigans). | McCrea, Healy & Co | 7,611 | Aug. 26, 1879 | 16 | 362 |
| Liniment | F. F. Braillard | 7,362 | May 27, 1879 | 15 | 833 |
| Liniment | H. Lloyd | 1,377 | June 3, 1879 | 15 | 883 |
| Liniment | J. C. Nichols | 7,342 | May 20, 1879 | 15 | 782 |
| Liniment | H. C. Snitcher | 6,966 | Jan. 21, 1879 | 15 | 59 |
| Liquid pearl, a preparation for the human complexion | Champion & Co | 7,441 | June 24, 1879 | 15 | 1016 |

*Alphabetical list of trade-marks*—Continued.

| For what purpose. | Name of patentee. | No. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|---|
| Liquid preparation for the complexion | C. Stoddart | 2,592 | Aug. 12, 1879 | 16 | 270 |
| Locks | Western Lock Company | 7,635 | Sept. 2, 1879 | 16 | 411 |
| Lotions for the skin and hair | A. A. Heaton | 7,361 | May 27, 1879 | 15 | 833 |
| Lubricating compounds | Dean, Gracy & Co | 7,106 | Mar. 11, 1879 | 15 | 344 |
| Lubricating-grease | Backus Oil Company | 6,978 | Jan. 28, 1879 | 15 | 87 |
| Lye, Concentrated | Udell, Schmieding & Co | 7,132 | Mar. 25, 1879 | 15 | 428 |
| M. | | | | | |
| Machinists' tools | Collins Company | 7,643 | Sept. 2, 1879 | 16 | 411 |
| Machinists' tools | Collins Company | 7,645 | Sept. 2, 1879 | 16 | 411 |
| Malt extracts | Trommer Extract of Malt Company | 7,714 | Sept. 30, 1879 | 16 | 589 |
| Malt extracts and malt-extract preparations | J. Hoff | 7,212 | Apr. 22, 1879 | 15 | 605 |
| Malt liquors | W. Edmonds, jr., & Co | 7,335 | May 20, 1879 | 15 | 782 |
| Masks, Toilet and medicinal | Toilet Mask Company | 7,251 | Apr. 29, 1879 | 15 | 652 |
| Matches, Friction | J. Eaton & Son | 7,429 | June 24, 1879 | 15 | 1015 |
| Mattresses and mattress-filling | H. A. Bartlett | 6,976 | Jan. 28, 1879 | 15 | 87 |
| Meat and lard, Cured | Recknagle & Co | 7,476 | July 1, 1879 | 16 | 2 |
| Meat, Essences of | London Manufacturing Company | 7,021 | Feb. 11, 1879 | 15 | 165 |
| Medical compound | D. Dick | 7,613 | Aug. 26, 1879 | 16 | 362 |
| Medical compound | C. A. Jerman | 7,293 | May 13, 1879 | 15 | 738 |
| Medical compound | J. R. Mathewson & Son | 7,059 | Mar. 4, 1879 | 15 | 295 |
| Medical compound | W. McCurdy | 7,746 | Oct. 21, 1879 | 16 | 725 |
| Medical compound | H. A. Tilden | 7,431 | June 24, 1879 | 15 | 1015 |
| Medical compound, Certain | R. C. Knox & Co | 7,329 | May 20, 1879 | 15 | 782 |
| Medical compound, Certain | C. W. Preston | 7,488 | July 8, 1879 | 16 | 49 |
| Medical compound for plasters | W. J. Brown | 7,054 | Mar. 4, 1879 | 15 | 295 |
| Medical compound for the cure of lung and throat diseases | E. H. Carpenter | 7,676 | Sept. 9, 1879 | 16 | 462 |
| Medical salt | Corporation Stadtgemeinde Karlsbad | 7,782 | Dec. 23, 1879 | 16 | 1143 |
| Medicated confection | J. L. King | 7 290 | May 13, 1879 | 15 | 737 |
| Medicated fruit | E. Grillon | 7,107 | Mar. 11, 1879 | 15 | 344 |
| Medicated pad and plaster | W. G. Foster | 7,200 | Apr. 15, 1879 | 15 | 558 |
| Medicated pads | American Absorptive Pad Company | 7,169 | Apr. 8, 1879 | 15 | 508 |
| Medicated stock-feed | L. Shoenfeld | 7,630 | Aug. 26, 1879 | 16 | 362 |
| Medicinal compound for the cure of consumption, &c | M. C. White | 7,029 | Feb. 11, 1879 | 15 | 165 |
| Medicinal compound for the cure of dyspepsia | Hill & Davis | 7,190 | Apr. 15, 1879 | 15 | 557 |
| Medicinal compound for the cure of fever and ague | V. Lechner | 7,788 | Dec. 30, 1879 | 16 | 1190 |
| Medicinal compound for the cure of pain and inflammation. | H. R. Stevens | 7,264 | May 6, 1879 | 15 | 695 |
| Medicinal compound for the cure of scrofula, &c | H. R. Stevens | 7,265 | May 6, 1879 | 15 | 695 |
| Medicinal compound or liniment | H. G. Farrell | 7,683 | Sept. 16, 1879 | 16 | 501 |
| Medicinal compound or preparations | W. Pfunder & Co | 7,138 | Mar. 25, 1879 | 15 | 428 |
| Medicinal herbs and roots, Tea composed of | A. C. Brendecks | 7,424 | June 17, 1879 | 15 | 972 |
| Medicinal pad or cushion | J. A. Hatry | 7,271 | May 6, 1879 | 15 | 696 |
| Medicinal pad or cushion | J. A. Hatry | 7,272 | May 6, 1879 | 15 | 696 |
| Medicinal preparation | P. Davis & Son & Lawrence and J. I. Fellows. | 7,092 | Mar. 11, 1879 | 15 | 344 |
| Medicinal preparation | S. Gerry & Co | 6,924 | Jan. 7, 1879 | 15 | 1 |
| Medicinal preparation | J. B. and E. A. Griffith | 7,593 | Aug. 19, 1879 | 16 | 319 |
| Medicinal preparation | C. S. Hardy | 7,156 | Apr. 8, 1879 | 15 | 507 |
| Medicinal preparation | S. and H. L. Horning | 7,620 | Aug. 26, 1879 | 16 | 362 |
| Medicinal preparation | Keasbey & Mattison | 6,949 | Jan. 14, 1879 | 15 | 33 |
| Medicinal preparation | J. W. Osborne | 7,778 | Dec. 16, 1879 | 16 | 1099 |
| Medicinal preparation | Pond's Extract Company | 7,085 | Mar. 4, 1879 | 15 | 296 |
| Medicinal preparation | R. W. Robinson & Son | 7,484 | July 8, 1879 | 16 | 49 |
| Medicinal preparation | Scott & Bowne | 6,973 | Jan. 21, 1879 | 15 | 60 |
| Medicinal preparation | C. T. Swift | 7,720 | Oct. 7, 1879 | 16 | 633 |
| Medicinal preparation | M. Van Beil | 7,001 | Feb. 4, 1879 | 15 | 125 |
| Medicinal preparation, Certain | Billings, Clapp & Co | 7,101 | Mar. 11, 1879 | 15 | 344 |
| Medicinal preparation, Certain | G. H. Schafer | 7,072 | Mar. 4, 1879 | 15 | 296 |
| Medicinal preparation, Certain | S. Simes | 7,393 | June 3, 1879 | 15 | 884 |
| Medicinal preparation, Certain | H. H. Warner | 7,467 | July 1, 1879 | 16 | 2 |
| Medicinal preparation for cure of drunkenness | R. D'Unger | 7,639 | Sept. 2, 1879 | 16 | 411 |
| Medicinal preparation for preventing sea-sickness | W. Gibbs | 7,490 | July 8, 1879 | 16 | 49 |
| Medicinal preparation for the cure of coughs, consumption, &c. | Fisher & Fairbanks | 7,345 | May 20, 1879 | 15 | 782 |
| Medicinal preparation for the cure of diseases of the kidneys, &c. | W. E. Clarke | 7,610 | Aug. 26, 1879 | 16 | 362 |
| Medicinal preparation for the cure of kidney-diseases, &c. | R. D. Wood | 7,128 | Mar. 18, 1879 | 15 | 390 |
| Medicinal preparation for the cure of scrofula, &c | J. G. Williamson | 7,421 | June 17, 1879 | 15 | 972 |
| Medicinal preparation for the cure of whooping-cough | F. Stadtmüller | 7,382 | June 3, 1879 | 15 | 883 |
| Medicinal preparation of cinchona-bark | C. T. White | 6,967 | Jan. 21, 1879 | 15 | 59 |
| Medicinal preparations | Harter Medicine Company | 7,631 | Aug. 26, 1879 | 16 | 362 |
| Medicinal preparations from malt | Dukehart & Co | 7,308 | May 20, 1879 | 15 | 781 |
| Medicinal teas and pills | Wiener Medizin Company | 7,492 | July 8, 1879 | 16 | 50 |
| Medicine, Alterative, aperient, and tonic | J. R. Dennis & Co | 7,344 | May 20, 1879 | 15 | 782 |
| Medicine, Anti-febrile | C. E. Brown | 7,278 | May 13, 1879 | 15 | 737 |
| Medicine, Blood-purifying | A. Blum | 7,207 | Apr. 22, 1879 | 15 | 605 |
| Medicine, Blood-purifying | A. Seidel & Co | 7,071 | Mar. 4, 1879 | 15 | 295 |
| Medicine, Capsuled | S. Simousin | 7,371 | May 27, 1879 | 15 | 834 |
| Medicine, Catarrh | Bentley & Miller | 7,712 | Sept. 30, 1879 | 16 | 589 |
| Medicine, Fever and ague | J. Mouron | 7,555 | July 29, 1879 | 16 | 175 |
| Medicine for coughs, colds, &c | D. McNair | 7,756 | Oct. 28, 1879 | 16 | 767 |
| Medicine for skin-diseases | G. B. Browne | 7,786 | Dec. 30, 1879 | 16 | 1189 |
| Medicine for the cure of neuralgia, &c | J. S. Nicolds | 7,033 | Feb. 18, 1879 | 15 | 201 |
| Medicine for the cure of neuralgia and headache | Hutchison & Brother | 7,693 | Sept. 23, 1879 | 16 | 547 |
| Medicine for the cure of throat and lung diseases | E. H. Carpenter | 7,409 | June 17, 1879 | 15 | 971 |
| Medicine, Liver | D. J. Duffy | 6,955 | Jan. 21, 1879 | 15 | 59 |
| Medicine resembling fig-paste or medicated figs, Cathartic. | E. De Prati | 7,114 | Mar. 18, 1879 | 15 | 390 |
| Medicine, Sheep | C. E. Williams & Co | 7,221 | Apr. 22, 1879 | 15 | 605 |
| Medicine to be inhaled for the cure of catarrh, &c | P. W. Ziegler | 7,533 | July 22, 1879 | 16 | 141 |
| Medicine, Tonic | H. S. Evans | 7,698 | Sept. 23, 1879 | 16 | 547 |
| Medicine, Veterinary | L. Hesselroth and J. O. Camph | 7,211 | Apr. 22, 1879 | 15 | 605 |
| Medicine, Veterinary | W. C. Schultz | 7,215 | Apr. 22, 1879 | 15 | 605 |
| Metal-polish | Behr & Co | 7,139 | Apr. 1, 1879 | 15 | 465 |

*Alphabetical list of trade-marks*—Continued.

| For what purpose. | Name of patentee. | No. | Date. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|
| Metals | B. W. Baldwin | 7,074 | Mar. 4, 1879 | 15 | 296 |
| Middlings-purifiers | Straub Mill Company | 7,551 | July 29, 1879 | 16 | 175 |
| Milk and raising cream, Vessel or apparatus for cooling | Vermont Farm Machine Company | 7,220 | Apr. 22, 1879 | 15 | 605 |
| Milk, Condensed | Orange County Milk Association | 7,619 | Aug. 26, 1879 | 16 | 362 |
| Mineral-spring water | Sea Island Company | 6,940 | Jan. 7, 1879 | 15 | 2 |
| Mineral-spring water, National | M. G. Walker | 7,695 | Sept. 23, 1879 | 16 | 547 |
| Mineral water | B. Doolittle | 7,627 | Aug. 26, 1879 | 16 | 362 |
| Mineral water | J. L. Lockwood | 7,163 | Apr. 8, 1879 | 15 | 507 |
| Mineral water | O. Zwietusch | 7,637 | Sept. 2, 1879 | 16 | 411 |
| Mineral water, Natural | L. Somborn & Co | 6,968 | Jan. 21, 1879 | 15 | 59 |
| Mop-holder | H. H. Mason | 7,540 | July 22, 1879 | 16 | 142 |
| Mower, Lawn | Mast, Foos & Co | 7,214 | Apr. 22, 1879 | 15 | 605 |
| Musical instruments | P. Goumas & Co | 7,162 | Apr. 8, 1879 | 15 | 507 |
| Musical instruments and strings, Stringed | J. F. Stratton & Co | 7,401 | June 10, 1879 | 15 | 925 |
| Mustard | C. Gulden | 7,559 | Aug. 5, 1879 | 16 | 221 |
| Mustard and ground spices | D. Ghirardelli | 6,959 | Jan. 21, 1879 | 15 | 59 |
| **N.** | | | | | |
| Needles | Liebenroth, Von Auw & Co | 7,093 | Mar. 11, 1879 | 15 | 344 |
| Needles | Liebenroth, Von Auw & Co | 7,141 | Apr. 1, 1879 | 15 | 465 |
| Newspapers | E. S. and T. D. Carman | 6,989 | Feb. 4, 1879 | 15 | 125 |
| **O.** | | | | | |
| Oatmeal | Quaker Mill Company | 7,178 | Apr. 8, 1879 | 15 | 508 |
| Oatmeal | J. F. Tyrrell & Co | 7,294 | May 13, 1879 | 15 | 738 |
| Oil and compounds, Lubricating | S. P. Wells Oil Company | 7,252 | Apr. 29, 1879 | 15 | 652 |
| Oil and essences, Essential | Fritzsche Brothers | 7,004 | Feb. 4, 1879 | 15 | 125 |
| Oil and grease, Lubricating | Eclipse Lubricating Oil Company | 7,411 | June 17, 1879 | 15 | 971 |
| Oil, Castor | Southern White Lead Company | 7,243 | Apr. 29, 1879 | 15 | 651 |
| Oil-cloths and similar floor-coverings | W. Berri | 7,568 | Aug. 5, 1879 | 16 | 221 |
| Oil, Illuminating | T. J. Christy | 7,784 | Dec. 30, 1879 | 16 | 1189 |
| Oil, Illuminating | W. H. Crossman & Brother | 7,210 | Apr. 22, 1879 | 15 | 605 |
| Oil, Illuminating | J. R. Kelly & Co | 7,506 | July 15, 1879 | 16 | 97 |
| Oil, Illuminating | Maverick Oil Company | 7,618 | Aug. 26, 1879 | 16 | 362 |
| Oil, Illuminating | H. B Riggs | 7,088 | Mar. 11, 1879 | 15 | 344 |
| Oil, Illuminating | H. B. Riggs | 7,089 | Mar. 11, 1879 | 15 | 344 |
| Oil, Illuminating | G. Ryneal, jr | 7,391 | June 3, 1879 | 15 | 884 |
| Oil, Kerosene | R. W. Forbes | 7,373 | May 27, 1879 | 15 | 834 |
| Oil, Lamp | J. W. Cammett | 7,435 | June 24, 1879 | 15 | 1016 |
| Oil, Lubricating | Camden Consolidated Oil Company | 7,679 | Sept. 16, 1879 | 16 | 501 |
| Oil, Lubricating | Camden Consolidated Oil Company | 7,680 | Sept. 16, 1879 | 16 | 501 |
| Oil Lubricating | Eclipse Lubricating Oil Company | 7,682 | Sept. 16, 1879 | 16 | 501 |
| Oil, Lubricating | Eclipse Lubricating Oil Company | 7,331 | May 20, 1879 | 15 | 782 |
| Oil, Lubricating | Eclipse Lubricating Oil Company | 7,332 | May 20, 1879 | 15 | 782 |
| Oil, Lubricating | Eclipse Lubricating Oil Company | 7,333 | May 20, 1879 | 15 | 782 |
| Oil, Lubricating | Eclipse Lubricating Oil Company | 7,334 | May 20, 1879 | 15 | 782 |
| Oil, Lubricating | Olney Brothers | 6,964 | Jan. 21, 1879 | 15 | 59 |
| Oil, Lubricating | J. P. Weeks & Co | 7,096 | Mar. 11, 1879 | 15 | 344 |
| Oil, Lubricating cylinder | Backus Oil Company | 7,002 | Feb. 4, 1879 | 15 | 125 |
| Oil, Neat's-foot | H. J. Linneman | 7,150 | Apr. 1, 1879 | 15 | 465 |
| Oil, or dressing for harness, shoes, &c | J. T. Vail & Brother | 7,743 | Oct. 21, 1879 | 16 | 725 |
| Oil, Pure Norwegian cod-liver | Faulkner & Craighill | 7,056 | Mar. 4, 1879 | 15 | 295 |
| Oil, raw and boiled, Linseed | Southern White Lead Company | 7,191 | Apr. 15, 1879 | 15 | 557 |
| Oil refined from petroleum, Illuminating | Sone & Fleming Manufacturing Company. | 7,726 | Oct. 14, 1879 | 16 | 681 |
| Oil refined from petroleum, Illuminating | Sone & Fleming Manufacturing Company. | 7,727 | Oct. 14, 1879 | 16 | 681 |
| Oil refined from petroleum, Illuminating | Sone & Fleming Manufacturing Company. | 7,728 | Oct. 14, 1879 | 16 | 681 |
| Ointment | T. Holloway | 7,647 | Sept. 2, 1879 | 16 | 412 |
| Ointment | T. Holloway | 7,648 | Sept. 2, 1879 | 16 | 412 |
| Ointment | T. Holloway | 7,649 | Sept. 2, 1879 | 16 | 412 |
| Ointment | T. Holloway | 7,650 | Sept. 2, 1879 | 16 | 412 |
| Ointment | J. L. Standart | 7,082 | Mar. 4, 1879 | 15 | 296 |
| Oleomargarine and oleomargarine butter | Commercial Manufacturing Company | 7,286 | May 13, 1879 | 15 | 737 |
| Ore-sacks | J. C. Todd & Co | 7,304 | May 13, 1879 | 15 | 738 |
| Organs, Reed | J. Estey & Co | 7,259 | May 6, 1879 | 15 | 695 |
| Organs, Reed | J. Estey & Co | 7,260 | May 6, 1879 | 15 | 695 |
| Oysters, Fresh | J. E. Stansbury | 7,406 | June 10, 1879 | 15 | 926 |
| Oysters, Fresh | J. E. Stansbury | 7,408 | June 10, 1879 | 15 | 926 |
| **P.** | | | | | |
| Packing, Steam and hydraulic | Symonds & Co | 7,231 | Apr. 22, 1879 | 15 | 606 |
| Paint, Iron | N. T. Pate & Co | 7,707 | Sept. 30, 1879 | 16 | 589 |
| Paint, Iron-ore | J. McLain | 6,985 | Jan. 28, 1879 | 15 | 87 |
| Paint, Mineral | Lake Superior Iron Ore Paint Company | 7,184 | Apr. 15, 1879 | 15 | 557 |
| Paints and colors | Parker, Coit & Co | 7,223 | Apr. 22, 1879 | 15 | 606 |
| Paints, Gold | Abraham Brothers | 7,450 | July 1, 1879 | 16 | 1 |
| Paints ready for use, Mixed oil | Chicago White Lead and Oil Company | 7,075 | Mar. 4, 1879 | 15 | 296 |
| Paints, transparent coatings and putty (or cement) | Porcelain Paint Company | 7,297 | May 13, 1879 | 15 | 738 |
| Paints, varnishes, calcimine, and enamels, Composition used in the manufacture of. | American Crystalene Company | 7,507 | July 15, 1879 | 16 | 97 |
| Paper, carpet-paper, or paper-felt, and building-paper, Roofing. | Watson & Janes | 7,043 | Feb. 18, 1879 | 15 | 201 |
| Paper for water-closet use, Medicated | Pond's Extract Company | 7,083 | Mar. 4, 1879 | 15 | 296 |
| Paper, Writing | Crane & Co | 7,003 | Feb. 4, 1879 | 15 | 125 |
| Paper, Writing | Southworth Company | 7,296 | May 13, 1879 | 15 | 738 |
| Papers, Record and ledger | Jessup & Laflin | 6,962 | Jan. 21, 1879 | 15 | 59 |
| Papers, Record and ledger | Jessup & Laflin | 6,963 | Jan. 21, 1879 | 15 | 59 |
| Pencils, Lead | Eagle Pencil Company | 7,350 | May 20, 1879 | 15 | 782 |
| Pens | Macniven & Cameron | 6,930 | Jan. 7, 1879 | 15 | 1 |
| Pens | Turner & Harrison | 7,137 | Mar. 25, 1879 | 15 | 428 |

*Alphabetical list of trade-marks*—Continued.

| For what purpose. | Name of patentee. | No. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|---|
| Pens, Metallic | Macniven & Cameron | 7,456 | July 1, 1879 | 16 | 1 |
| Pens, Metallic | Macniven & Cameron | 7,457 | July 1, 1879 | 16 | 1 |
| Pens, Metallic | Macniven & Cameron | 7,458 | July 1, 1879 | 16 | 1 |
| Pens, pencils, pen and pencil cases, &c., Gold | L. W. Fairchild | 7,547 | July 29, 1879 | 16 | 175 |
| Pepper, Ground | Burns & Byram | 7,343 | May 20, 1879 | 15 | 782 |
| Pepper-relish | E. T. Cowdrey | 6,954 | Jan. 21, 1879 | 15 | 59 |
| Perfumery | Austin & Melville | 7,612 | Aug. 26, 1879 | 16 | 362 |
| Perfumery | L. U. Bean | 7,279 | May 13, 1879 | 15 | 737 |
| Perfumery | Colgate & Co | 7,303 | May 13, 1879 | 15 | 738 |
| Perfumery | Young, Ladd & Coffin | 7,678 | Sept. 9, 1879 | 16 | 462 |
| Perfumery, cosmetics, hair-oils, &c | Meyer Brothers & Co | 7,011 | Feb. 4, 1879 | 15 | 126 |
| Perfumery, creams, dentifrice, and analogous articles of toilet preparations. | A. Raynaud | 7,164 | Apr. 8, 1879 | 15 | 507 |
| Petroleum for illuminating and lubricating purposes | Mather Brothers | 7,352 | May 27, 1879 | 15 | 833 |
| Petroleum for illuminating purposes, Refined | Empire Refining Company | 7,170 | Apr. 8, 1879 | 15 | 508 |
| Petroleum for illuminating purposes, Refined | Empire Refining Company | 7,171 | Apr. 8, 1879 | 15 | 508 |
| Petroleum for illuminating purposes, Refined | Empire Refining Company | 7,172 | Apr. 8, 1879 | 15 | 508 |
| Phosphatic preparation | G. L. Austin & Co | 7,542 | July 22, 1879 | 16 | 142 |
| Pills | Carter Medicine Company | 7,023 | Feb. 11, 1879 | 15 | 165 |
| Pills | Carter Medicine Company | 7,024 | Feb. 11, 1879 | 15 | 165 |
| Pills | Foster, Milburn & Co | 6,935 | Jan. 7, 1879 | 15 | 1 |
| Pills | T. Holloway | 7,646 | Sept. 2, 1879 | 16 | 411 |
| Pills | Spencer & Brown | 7,219 | Apr. 22, 1879 | 15 | 605 |
| Pills | J. V. Stehl | 7,532 | July 22, 1879 | 16 | 141 |
| Pills and ointment | T. Holloway | 7,651 | Sept. 2, 1879 | 16 | 412 |
| Pills, Blood and liver | E. Chandler | 7,113 | Mar. 18, 1879 | 15 | 390 |
| Pills for the cure of chills and fever | W. W. Brownfield | 7,365 | May 27, 1879 | 15 | 834 |
| Planters, Corn | Beedle & Kelly | 7,135 | Mar. 25, 1879 | 15 | 428 |
| Plows | Carr & Hobson | 7,147 | Apr. 1, 1879 | 15 | 465 |
| Plows | Cox & Poynter | 7,760 | Oct. 28, 1879 | 16 | 767 |
| Plows | A. Speer & Sons | 7,541 | July 22, 1879 | 16 | 142 |
| Polishing fluid and paste | E. Baxter and B. F. Hughson | 7,575 | Aug. 12, 1879 | 16 | 269 |
| Precious stones, Artificial | Franklin Jewelry Company | 7,266 | May 6, 1879 | 15 | 695 |
| Printing-presses, Composition for restoring inking-rollers of. | R. O. Sweeny | 7,493 | July 8, 1879 | 16 | 50 |
| Prints | Eddystone Manufacturing Company | 7,205 | Apr. 15, 1879 | 15 | 558 |
| Pumps | Mast, Foos & Co | 7,496 | July 8, 1879 | 16 | 50 |
| Pumps, vacuum-pumps, tubular and other plunger-pumps, Steam. | W. E. Kelly | 7,416 | June 17, 1879 | 15 | 971 |
| Punch | C. H. Graves & Sons | 7,576 | Aug. 12, 1879 | 16 | 269 |
| **Q.** | | | | | |
| Quicklime | Ohlemacher & Zollinger | 7,413 | June 17, 1879 | 15 | 971 |
| **R.** | | | | | |
| Ranges | Stuart, Peterson & Co | 7,438 | June 24, 1879 | 15 | 1016 |
| Razors, knives, and scissors | W. Brokhahne | 7,715 | Oct. 7, 1879 | 16 | 633 |
| Refrigerator | D. Eddy & Son | 7,102 | Mar. 11, 1879 | 15 | 344 |
| Rheumatic cure | M. J. Donovan | 7,253 | Apr. 29, 1879 | 15 | 652 |
| Ribbon, Silk | J. Silbermann | 7,151 | Apr. 1, 1879 | 15 | 465 |
| Rivets, burrs, and chains | Holmes, Booth & Haydens | 7,585 | Aug. 12, 1879 | 16 | 269 |
| Rivets, washers, burrs, and the like articles of copper and brass. | Plume and Atwood Manufacturing Company. | 7,061 | Mar. 4, 1879 | 15 | 295 |
| Rubber goods | C. M. Clapp | 7,193 | Apr. 15, 1879 | 15 | 557 |
| **S.** | | | | | |
| Salt | A. Deakin | 7,194 | Apr. 15, 1879 | 15 | 558 |
| Salt | A. Deakin | 7,195 | Apr. 15, 1879 | 15 | 558 |
| Salve, Pile | Fountain & Hargrave | 7,239 | Apr. 29, 1879 | 15 | 651 |
| Salves and pills | Jahne & Co | 7,145 | Apr. 1, 1879 | 15 | 465 |
| Salves, ointments, &c | T. W. Kennedy | 7,116 | Mar. 18, 1879 | 15 | 390 |
| Sardines | A. Goldmark and L. Rosenstein and H. Sellmann. | 7,717 | Oct. 7, 1879 | 16 | 633 |
| Sarsaparilla or blood-purifier | G. L. Carroll | 7,584 | Aug. 12, 1879 | 16 | 269 |
| Satinets and cassimeres | F. Glazier | 7,068 | Mar. 4, 1879 | 15 | 295 |
| Sauce, Table | H. Rosenheim | 6,977 | Jan. 28, 1879 | 15 | 87 |
| Sauces | J. Lusk & Co | 7,081 | Mar. 4, 1879 | 15 | 296 |
| Sausage-meat and sausages | H. Goldsmith | 7,309 | May 20, 1879 | 15 | 781 |
| Saw-swages | H. Disston & Sons | 7,495 | July 8, 1879 | 16 | 50 |
| Saws | Simonds Manufacturing Company | 7,466 | July 1, 1879 | 16 | 2 |
| Scales | Buffalo Scale Company | 7,022 | Feb. 11, 1879 | 15 | 165 |
| Scales or weighing instruments | Chicago Scale Company | 7,654 | Sept. 2, 1879 | 16 | 412 |
| Scarfs of light fabrics for gentlemen's wear | Fisk, Clark & Flagg | 7,724 | Oct. 14, 1879 | 16 | 681 |
| Scouring-crystals | J. Dawson & Son | 7,472 | July 1, 1879 | 16 | 2 |
| Sewing-machines | Florence Machine Company | 7,570 | Aug. 5, 1879 | 16 | 221 |
| Sewing-machines | St. John Sewing Machine Company | 7,607 | Aug. 19, 1879 | 16 | 329 |
| Sheetings, shirtings, cambrics, prints, and cloths | W. H. Oakley, jr | 7,536 | July 22, 1879 | 16 | 142 |
| Shingles | Long & Co | 7,118 | Mar. 18, 1879 | 15 | 390 |
| Shirt-waists and drawers | Morison & Hutchinson | 7,255 | May 6, 1879 | 15 | 695 |
| Shirts | J. C. Duffee & Co | 7,681 | Sept. 16, 1879 | 16 | 501 |
| Shirts | C. G. Meginniss | 7,658 | Sept. 9, 1879 | 16 | 461 |
| Shirts | C. G. Meginniss | 7,659 | Sept. 9, 1879 | 16 | 461 |
| Shirts | C. G. Meginniss | 7,660 | Sept. 9, 1879 | 16 | 461 |
| Shirts | C. G. Meginniss | 7,661 | Sept. 9, 1879 | 16 | 461 |
| Shirts | C. G. Meginniss | 7,662 | Sept. 9, 1879 | 16 | 461 |
| Shirts | C. G. Meginniss | 7,663 | Sept. 9, 1879 | 16 | 461 |
| Shirts and drawers, Gentlemen's | M. Juhn | 6,927 | Jan. 7, 1879 | 15 | 1 |
| Shirts, collars, and cuffs | Libby & Spier | 6,987 | Jan. 28, 1879 | 15 | 87 |
| Shirts, collars, and cuffs, Laundried | Wiles Laundering Company | 7,491 | July 8, 1879 | 16 | 49 |
| Shirts, collars, cuffs, &c | O. S. Baldwin | 7,044 | Feb. 25, 1879 | 15 | 249 |
| Shirts, cotton and woolen shirts, undershirts and collars, Dress. | H. Wallach's Sons | 7,608 | Aug. 19, 1879 | 16 | 329 |

*Alphabetical list of trade-marks*—Continued.

| For what purpose. | Name of patentee. | No. | Date. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|
| Shirts, drawers, and overalls | H. Wallach's Sons | 7,500 | July 8, 1879 | 16 | 50 |
| Shirts, drawers, overalls, engineers' jackets, and bathing-suits. | D. W. J. Hutton | 7,578 | Aug. 12, 1879 | 16 | 269 |
| Shirts, Dress | H. Wallach's Sons | 7,519 | July 15, 1879 | 16 | 98 |
| Shirts, undershirts, drawers, &c | W. Cohens & Co | 7,326 | May 20, 1879 | 15 | 782 |
| Shirts, White and fancy | Buchman Brothers & Co | 7,434 | June 24, 1879 | 15 | 1016 |
| Sign, Illuminated or box | B. F. Chase | 7,208 | Apr. 22, 1879 | 15 | 605 |
| Silk and half-silk goods | E. Niepmann & Co | 7,405 | June 10, 1879 | 15 | 925 |
| Silk and silk-and-cotton velvets | Shaub & Heckmann | 7,158 | Apr. 8, 1879 | 15 | 507 |
| Silver-plated ware | Rogers & Brother | 7,390 | June 3, 1879 | 15 | 883 |
| Skins and kips, Calf | Loeb & Brothers | 7,606 | Aug. 19, 1879 | 16 | 319 |
| Slates, Raw or partly prepared and manufactured | Welsh Slate Company | 7,006 | Feb. 4, 1879 | 15 | 126 |
| Smut-machines and grain-separators | Howes, Babcock & Co | 6,995 | Feb. 4, 1879 | 15 | 125 |
| Soap | R. M. Burwell & Sons | 7,269 | May 6, 1879 | 15 | 695 |
| Soap | J. H. Friday | 7,521 | July 22, 1879 | 16 | 141 |
| Soap | Gallup & Hewitt | 7,036 | Feb. 18, 1879 | 15 | 201 |
| Soap | J. S. Kirk & Co | 6,970 | Jan. 21, 1879 | 15 | 59 |
| Soap | J. S. Kirk & Co | 6,971 | Jan. 21, 1879 | 15 | 59 |
| Soap | J. S. Kirk & Co | 7,706 | Sept. 30, 1879 | 16 | 589 |
| Soap | Lautz Brothers & Co | 6,960 | Jan. 21, 1879 | 15 | 59 |
| Soap | F. S. and T. M. Lincoln | 7,154 | Apr. 1, 1879 | 15 | 466 |
| Soap | C. Lipps | 7,437 | June 24, 1879 | 15 | 1016 |
| Soap | C. Lipps | 7,623 | Aug. 26, 1879 | 16 | 362 |
| Soap | C. Lipps | 7,624 | Aug. 26, 1879 | 16 | 362 |
| Soap | F. B. Nichols | 7,196 | Apr. 15, 1879 | 15 | 558 |
| Soap | Procter & Gamble | 7,701 | Sept. 23, 1879 | 16 | 547 |
| Soap | Procter & Gamble | 7,777 | Nov. 11, 1879 | 16 | 859 |
| Soap | F. H. Siddall | 6,939 | Jan. 7, 1879 | 15 | 2 |
| Soap | S. F. Southwick | 6,938 | Jan. 7, 1879 | 15 | 2 |
| Soap | Strunz & Wetzel | 7,783 | Dec. 23, 1879 | 16 | 1143 |
| Soap | J. H. Wilson | 7,176 | Apr. 8, 1879 | 15 | 508 |
| Soap, Granulated | Granulated Soap Company | 7,690 | Sept. 16, 1879 | 16 | 501 |
| Soap, Laundry | Allison Brothers | 7,372 | May 27, 1879 | 15 | 834 |
| Soap, Laundry | Colgate & Co | 7,065 | Mar. 4, 1879 | 15 | 295 |
| Soap, Laundry | Colgate & Co | 7,066 | Mar. 4, 1879 | 15 | 295 |
| Soap, Laundry | Colgate & Co | 7,076 | Mar. 4, 1879 | 15 | 296 |
| Soap, Laundry | Colgate & Co | 7,468 | July 1, 1879 | 16 | 2 |
| Soap, Laundry | J. S. Kirk & Co | 7,705 | Sept. 30, 1879 | 16 | 589 |
| Soap, Laundry and toilet | W. A. Marzh | 7,448 | July 1, 1879 | 16 | 1 |
| Soap, Liquid | Wrigley Manufacturing Company | 7,007 | Feb. 4, 1879 | 15 | 126 |
| Soap, Toilet | C. S. Higgins | 7,328 | May 20, 1879 | 15 | 782 |
| Soda, saleratus, and baking-powder, Baking | J. Dwight & Co | 6,974 | Jan. 28, 1879 | 15 | 87 |
| Soda solutions, &c., Silicate of | W. Gossage & Sons | 6,982 | Jan. 28, 1879 | 15 | 87 |
| Spectacles and eyeglasses | W. B. Clapp, Young & Co | 7,067 | Mar. 4, 1879 | 15 | 295 |
| Spectacles and eyeglasses | H. Hirschberg | 7,451 | July 1, 1879 | 16 | 1 |
| Spices | H. F. A. Pinckney & Co | 7,530 | July 22, 1879 | 16 | 141 |
| Spices and mustard | Jewett & Sherman Company | 6,946 | Jan. 14, 1879 | 15 | 33 |
| Spices and mustard | Jewett & Sherman Company | 6,947 | Jan. 14, 1879 | 15 | 33 |
| Spices and mustard | Jewett & Sherman Company | 6,948 | Jan. 14, 1879 | 15 | 33 |
| Spool-cotton | J. & J. Clark & Co | 7,031 | Feb. 18, 1879 | 15 | 201 |
| Spool-cotton | R. M. Jordan | 6,984 | Jan. 28, 1879 | 15 | 87 |
| Spool-cotton or cotton thread | J. & P. Coats | 7,759 | Oct. 28, 1879 | 16 | 767 |
| Spool-cotton thread | Willimatic Linen Company | 7,187 | Apr. 15, 1879 | 15 | 557 |
| Spurs | A. Buermann | 7,582 | Aug. 12, 1879 | 16 | 269 |
| Starch | Wesp, Lautz Brothers & Co | 7,008 | Feb. 4, 1879 | 15 | 126 |
| Starch for laundry use | A. Erkenbrecher | 7,358 | May 27, 1879 | 15 | 833 |
| Starch for laundry use | A. Erkenbrecher | 7,360 | May 27, 1879 | 15 | 833 |
| Starch for laundry use | Glen Cove Starch Manufacturing Company. | 7,605 | Aug. 19, 1879 | 16 | 319 |
| Starch, Liquid | A. G. Underhill | 7,462 | July 1, 1879 | 16 | 2 |
| Stationery | E. Faber | 6,956 | Jan. 21, 1879 | 15 | 59 |
| Stationery, Articles of | C. J. Cohen | 7,254 | Apr. 29, 1879 | 15 | 652 |
| Stationery, Articles of | E. A. Gray | 7,577 | Aug. 12, 1879 | 16 | 269 |
| Steam engines and boilers | Skinner & Wood | 7,685 | Sept. 16, 1879 | 16 | 501 |
| Steel, Compound for tempering and refining | R. A. Goodchild | 7,510 | July 15, 1879 | 16 | 97 |
| Stout or porter | Bass & Co | 6,920 | Jan. 7, 1879 | 15 | 1 |
| Stove-polish | J. L. Prescott | 7,534 | July 22, 1879 | 16 | 141 |
| Stoves and ranges | Union Stove and Manufacturing Company. | 7,567 | Aug. 5, 1879 | 16 | 221 |
| Stoves, Gas | W. W. Goodwin & Co | 7,070 | Mar. 4, 1879 | 15 | 295 |
| Sugar, Soft | F. O. Matthiessen & Wiechers Sugar Refining Company. | 7,322 | May 20, 1879 | 15 | 782 |
| Suitings for men's and women's wear, known as chevoits. | J. S. Woodward's Sons | 7,636 | Sept. 2, 1879 | 16 | 411 |
| Syringes, Post-nasal | J. I. Carr and A. N. Williamson | 7,234 | Apr. 22, 1879 | 15 | 606 |
| **T.** | | | | | |
| Tackle or pulley blocks | Bagnall & Loud | 7,111 | Mar. 18, 1879 | 15 | 390 |
| Tanner's use, Bate for | W. C. Tiffany | 7,739 | Oct. 21, 1879 | 16 | 725 |
| Tea | E. Guittard | 7,173 | Apr. 8, 1879 | 15 | 508 |
| Tea | J. M. Mur | 7,465 | July 1, 1879 | 16 | 2 |
| Thread | Lidgerwood Manufacturing Company | 7,167 | Apr. 8, 1879 | 15 | 508 |
| Thread | Lidgerwood Manufacturing Company | 7,244 | Apr. 29, 1879 | 15 | 651 |
| Thread, Linen | Marshall & Co | 7,725 | Oct. 14, 1879 | 16 | 681 |
| Thread, Sewing | Marshall & Co | 7,433 | June 24, 1879 | 15 | 1015 |
| Tobacco and cigarettes, Chewing and smoking | J. Allen & Co | 7,581 | Aug. 12, 1879 | 16 | 269 |
| Tobacco and cigarettes, Chewing and smoking | Mayo & Watson | 7,537 | July 22, 1879 | 16 | 142 |
| Tobacco and cigarettes, Smoking | J. R. Day & Brother | 7,598 | Aug. 19, 1879 | 16 | 319 |
| Tobacco and cigarettes, Smoking and chewing | L. Ginter | 7,729 | Oct. 14, 1879 | 16 | 681 |
| Tobacco and cigarettes, Smoking and chewing | J. W. Martin | 7,430 | June 24, 1879 | 15 | 1015 |
| Tobacco and cigars, Chewing and smoking | J. M. Bobbitt | 7,538 | July 22 1879 | 16 | 142 |
| Tobacco and paper-cigarettes, Smoking | Marburg Brothers | 7,549 | July 29, 1879 | 16 | 175 |
| Tobacco and snuff, Chewing | R. W. Morgan | 7,638 | Sept. 2, 1879 | 16 | 411 |
| Tobacco, Chewing | C. R. Messinger | 7,389 | June 3, 1879 | 15 | 883 |
| Tobacco, Chewing | T. C. Williams & Co | 7,773 | Nov. 4, 1879 | 16 | 811 |

*Alphabetical list of trade-marks*—Continued.

| For what purpose. | Name of patentee. | No. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|---|
| Tobacco, Chewing and smoking | T. J. Brown and W. E. Hall | 7,224 | Apr. 22, 1879 | 15 | 606 |
| Tobacco, Chewing and smoking | C. H. Carruth & Co | 7,758 | Oct. 28, 1879 | 16 | 767 |
| Tobacco, Chewing and smoking | Fite & Moore | 7,509 | July 15, 1879 | 16 | 97 |
| Tobacco, Chewing and smoking | Spaulding & Merrick | 7,127 | Mar. 18, 1879 | 15 | 390 |
| Tobacco, Chewing and smoking | W. C. Thomas | 7,755 | Oct. 28, 1879 | 16 | 767 |
| Tobacco, Chewing and smoking | I. S. Waters | 7,772 | Nov. 4, 1879 | 16 | 811 |
| Tobacco, Chewing and smoking plug | I. S. Waters | 7,771 | Nov. 4, 1879 | 16 | 811 |
| Tobacco, cigarettes, and cigars, Smoking and chewing | H. Wilkins & Co | 7,785 | Dec. 30, 1879 | 16 | 1189 |
| Tobacco, cigars, and cigarettes, Chewing and smoking | Goodwin & Co | 7,291 | May 13, 1879 | 15 | 737 |
| Tobacco, cigars, and cigarettes, Smoking and chewing | Goodwin & Co | 7,045 | Feb. 25, 1879 | 15 | 249 |
| Tobacco, cigars, and cigarettes, Smoking and chewing | M. Lindheim | 7,480 | July 8, 1879 | 16 | 49 |
| Tobacco, cigars, and cigarettes, Smoking and chewing | M. W. Prager | 6,972 | Jan. 21, 1879 | 15 | 60 |
| Tobacco, cigars, cigarettes, and snuff, Chewing and smoking. | Marburg Brothers | 6,931 | Jan. 7, 1879 | 15 | 1 |
| Tobacco, cigars, cigarettes, and snuff, Smoking and chewing. | L. Bremer's Sons | 7,237 | Apr. 29, 1879 | 15 | 651 |
| Tobacco, cigars, cigarettes, and snuff, Smoking and chewing. | L. Bremer's Sons | 7,238 | Apr. 29, 1879 | 15 | 651 |
| Tobacco, cigars, cigarettes, and snuff, Smoking and chewing. | W. S. Carroll | 7,494 | July 8, 1879 | 16 | 50 |
| Tobacco, cigars, cigarettes, and snuff, Smoking and chewing. | Lichtenstein Brothers & Co | 7,117 | Mar. 18, 1879 | 15 | 390 |
| Tobacco, cigars, cigarettes, and snuff, Smoking and fine-cut chewing. | Marburg Brothers | 7,447 | July 1, 1879 | 16 | 1 |
| Tobacco, cigars, cigarettes, and snuff, Smoking and fine-cut chewing. | Marburg Brothers | 7,740 | Oct. 21, 1879 | 16 | 725 |
| Tobacco, Cut smoking | H. Mandelbaum | 7,599 | Aug. 12, 1879 | 16 | 319 |
| Tobacco, Fine-cut chewing | R. Hamilton | 6,983 | Jan. 28, 1879 | 15 | 87 |
| Tobacco, Fine-cut chewing and smoking | G. Jaquet & Co | 7,718 | Oct. 7, 1879 | 16 | 633 |
| Tobacco, Fine-cut chewing, smoking, and plug | C. B. Hull | 7,525 | July 22, 1879 | 16 | 141 |
| Tobacco, Leaf | L. Friedman | 6,958 | Jan. 21, 1879 | 15 | 59 |
| Tobacco, Leaf | Kirkpatrick & Co | 7,376 | June 3, 1879 | 15 | 883 |
| Tobacco, Plug | Dausman Tobacco Company | 7,134 | Mar. 25, 1879 | 15 | 428 |
| Tobacco, Plug | Miller & Worley | 6,997 | Feb. 4, 1879 | 15 | 125 |
| Tobacco, Plug | Ryan & Cummiskey | 7,136 | Mar. 25, 1879 | 15 | 428 |
| Tobacco, Plug and fine-cut chewing | Pace, Talbott & Co | 7,737 | Oct. 21, 1879 | 16 | 725 |
| Tobacco, plug and other chewing tobacco, cigars, and cigarettes, Long and short cut smoking. | H. Welsh | 7,202 | Apr. 15, 1879 | 15 | 558 |
| Tobacco, Plug chewing | Allen & Ellis | 7,632 | Sept. 2, 1879 | 16 | 411 |
| Tobacco, Plug chewing | O. P. Gregory & Co | 7,511 | July 15, 1879 | 16 | 97 |
| Tobacco, Plug chewing | P. J. Sorg | 7,762 | Oct. 28, 1879 | 16 | 767 |
| Tobacco, Plug chewing | Wilson & McCallay | 7,179 | Apr. 8, 1879 | 15 | 508 |
| Tobacco, Plug chewing and smoking | R. J. Christian | 7,697 | Sept. 23, 1879 | 16 | 547 |
| Tobacco, Plug chewing and smoking | J. M. Gardiner | 7,469 | July 1, 1879 | 16 | 2 |
| Tobacco, Plug smoking and chewing | H. M. Cochran | 7,064 | Mar. 4, 1879 | 15 | 295 |
| Tobacco, Smoking | Allen & Ellis | 7,440 | June 24, 1879 | 15 | 1016 |
| Tobacco, Smoking | J. W. Carroll | 7,733 | Oct. 14, 1879 | 16 | 681 |
| Tobacco, Smoking | J. R. Day & Brother | 7,351 | May 27, 1879 | 15 | 833 |
| Tobacco, Smoking | W. Duke, Sons & Co | 7,780 | Dec. 16, 1879 | 16 | 1099 |
| Tobacco, Smoking | Marburg Brothers | 7,446 | July 1, 1879 | 16 | 1 |
| Tobacco, Smoking | R. W. Oliver and J. E. Robinson | 7,558 | July 29, 1879 | 16 | 175 |
| Tobacco, Smoking and chewing | Allen & Co | 7,222 | Apr. 22, 1879 | 15 | 606 |
| Tobacco, Smoking and chewing | B. Leidersdorf & Co | 7,337 | May 20, 1879 | 15 | 782 |
| Tobacco, Smoking and chewing | G. B. Miller & Co | 7,475 | July 1, 1879 | 16 | 2 |
| Toilet powders | R. M. Hobbs | 7,078 | Mar. 4, 1879 | 15 | 296 |
| Toilet preparation | Cotton et Cie | 7,161 | Apr. 8, 1879 | 15 | 507 |
| Toilet preparation | E. Coudray & Fils | 7,052 | Feb. 25, 1879 | 15 | 249 |
| Toilet preparation | C. W. Holmes | 7,387 | June 3, 1879 | 15 | 883 |
| Toilet preparation | H. C. Parker | 7,600 | Aug. 19, 1879 | 16 | 319 |
| Toilet preparation | Pond's Extract Company | 7,084 | Mar. 4, 1879 | 15 | 296 |
| Toilet preparation | J. W. Osborne | 7,779 | Dec. 16, 1879 | 16 | 1099 |
| Toilet preparation, Certain | W. A. L. Knickerbocker | 7,487 | July 8, 1879 | 16 | 49 |
| Tonic cordials | J. Tardos | 7,152 | Apr. 1, 1879 | 15 | 466 |
| Tonic, Fever | Meyer Brothers & Co | 7,684 | Sept. 16, 1879 | 16 | 501 |
| Troches or lozenges | A. H. Hall and S. L. Hodgman | 7,374 | May 27, 1879 | 15 | 834 |
| Twines and cordage | Hooven & Allison | 7,436 | June 24, 1879 | 15 | 1016 |
| **U.** | | | | | |
| Umbrellas and parasols | W. A. Drown & Co | 7,550 | July 29, 1879 | 16 | 175 |
| Umbrellas and parasols | Macy & Molloy | 7,653 | Sept. 2, 1879 | 16 | 412 |
| Underwear and furnishings, Ladies', children's, and infants'. | S. Brill & Co | 7,562 | Aug. 5, 1879 | 16 | 221 |
| Upholstery goods, Stuffing for | American Pine Leaf Fibre Company | 7,565 | Aug. 5, 1879 | 16 | 221 |
| Uterine pastiles and similar medicinal preparations | G. E. Swan | 7,420 | June 17, 1879 | 15 | 971 |
| **V.** | | | | | |
| Vinegar | F. M. Bollman | 7,768 | Nov. 4, 1879 | 16 | 811 |
| Vinegar | F. M. Bollman | 7,769 | Nov. 4, 1879 | 16 | 811 |
| Violin-strings | P. & J. Turner | 7,319 | May 13, 1879 | 15 | 781 |
| **W.** | | | | | |
| Wagons, Farm and road | Kentucky Wagon Manufacturing Company. | 7,474 | July 1, 1879 | 16 | 2 |
| Washing compound | J. D. Larkin & Co | 7,666 | Sept. 9, 1879 | 16 | 461 |
| Washing-cream | Cincinnati Melophine Manufacturing Company. | 7,209 | Apr. 22, 1879 | 15 | 605 |
| Washing-powder | J. Dawson & Son | 7,508 | July 15, 1879 | 16 | 97 |
| Watch-case | Brooklyn Watch Case Company | 7,199 | Apr. 15, 1879 | 15 | 558 |
| Watch-mainsprings | Cross & Beguelin | 7,617 | Aug. 26, 1879 | 16 | 362 |
| Watches | C. Perret | 7,587 | Aug. 12, 1879 | 16 | 270 |
| Watches | C. Perret | 7,588 | Aug. 12, 1879 | 16 | 270 |
| Watches | C. Perret | 7,589 | Aug. 12, 1879 | 16 | 270 |

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| For what purpose. | Name of patentee. | No. | Date. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|
| Watches and watch-movements | A. Saltzman | 7,596 | Aug. 19, 1879 | 16 | 319 |
| Weights and measures, Standard | College of Pharmacy of the City of New York. | 7,144 | Apr. 1, 1879 | 15 | 465 |
| Whisky | E. Chielovich | 7,716 | Oct. 7, 1879 | 16 | 633 |
| Whisky | Corning & Co | 7,471 | July 1, 1879 | 16 | 2 |
| Whisky | D. O. Davis & Co | 7,289 | May 13, 1879 | 15 | 737 |
| Whisky | E. Dexter | 6,933 | Jan. 7, 1879 | 15 | 1 |
| Whisky | E. Dexter | 6,934 | Jan. 7, 1879 | 15 | 1 |
| Whisky | J. S. Finch & Co | 7,098 | Mar. 11, 1879 | 15 | 344 |
| Whisky | J. W. Gaff & Co | 7,270 | May 6, 1879 | 15 | 695 |
| Whisky | J. W. Gaff & Co | 7,273 | May 6, 1879 | 15 | 696 |
| Whisky | T. & J. W. Gaff & Co | 7,563 | Aug. 5, 1879 | 16 | 221 |
| Whisky | A. Hoffheimer | 7,594 | Aug. 19, 1879 | 16 | 319 |
| Whisky | B. F. Holl & Son | 7,005 | Feb. 4, 1879 | 15 | 126 |
| Whisky | W. H. Holmes | 7,275 | May 6, 1879 | 15 | 696 |
| Whisky | J. C. Hussey | 7,246 | Apr. 29, 1879 | 15 | 651 |
| Whisky | Hyatt & Clark | 6,986 | Jan. 28, 1879 | 15 | 87 |
| Whisky | Ives, Beecher & Co | 7,453 | July 1, 1879 | 16 | 1 |
| Whisky | Ives, Beecher & Co | 7,454 | July 1, 1879 | 16 | 1 |
| Whisky | W. Lanahan & Son | 7,404 | June 10, 1879 | 15 | 925 |
| Whisky | Lathrop & Leigh | 7,153 | Apr. 1, 1879 | 15 | 466 |
| Whisky | H. B. Kirk & Co | 7,554 | July 29, 1879 | 16 | 175 |
| Whisky | J. & E. Mahoney | 7,572 | Aug. 5, 1879 | 16 | 221 |
| Whisky | I. Massman & Co | 7,603 | Aug. 19, 1879 | 16 | 319 |
| Whisky | H. Mueller & Co | 7,689 | Sept. 16, 1879 | 16 | 501 |
| Whisky | C. Rebstock & Co | 6,965 | Jan. 21, 1879 | 15 | 59 |
| Whisky | C. Rebstock & Co | 7,014 | Feb. 11, 1879 | 15 | 165 |
| Whisky | A. Senior & Son | 7,696 | Sept. 23, 1879 | 16 | 547 |
| Whisky | H. H. Shufeldt | 7,423 | June 17, 1879 | 15 | 972 |
| Whisky | G. Simmonds | 7,400 | June 10, 1879 | 15 | 925 |
| Whisky | H. W. Smith | 7,564 | Aug. 5, 1879 | 16 | 221 |
| Whisky | H. W. Smith & Co | 7,749 | Oct. 21, 1879 | 16 | 726 |
| Whisky | I. Sommers | 7,561 | Aug. 5, 1879 | 16 | 221 |
| Whisky | F. G. Tullidge | 7,515 | July 15, 1879 | 16 | 98 |
| Whisky, Bourbon and rye | Pepper & Adams | 7,013 | Feb. 11, 1879 | 15 | 165 |
| Whisky, gin, brandy, and rum | Starkweather & Co | 7,415 | June 17, 1879 | 15 | 971 |
| Whisky, Rye | C. Gallagher | 7,442 | June 24, 1879 | 15 | 1016 |
| Wicks, Kerosene | E. W. Holbrook | 7,669 | Sept. 9, 1879 | 16 | 461 |
| Wine | C. H. Bucan | 7,553 | July 29, 1879 | 16 | 175 |
| Wine | C. F. Eccardt | 7,110 | Mar. 18, 1879 | 15 | 390 |
| Wine, Sparkling | Henriot & Co | 7,569 | Aug. 5, 1879 | 16 | 221 |
| Wood, Preparations for filling, covering, and preserving | Bridgeport Wood Finishing Company | 7,050 | Feb. 25, 1879 | 15 | 249 |
| Wool and camel's hair mixed fabrics | Adriatic Woolen Mills | 7,615 | Aug. 26, 1879 | 16 | 362 |
| Y. | | | | | |
| Yeast-cakes and baking-powders | J. N. Brady | 7,675 | Sept. 9, 1879 | 16 | 462 |
| Yeast, Compressed | H. H. Shufeldt | 7,621 | Aug. 26, 1879 | 16 | 362 |
| Yeast, Dry hop | W. H. Concher, W. Whitlow, J. R. Ramsey, and W. H. Higbie. | 7,523 | July 22, 1879 | 16 | 141 |
| Yeast-powder | D. Callaghan | 7,692 | Sept. 23, 1879 | 16 | 547 |
| Yeast-powders | B. T. Babbitt | 7,298 | May 13, 1879 | 15 | 738 |

## ALPHABETICAL LIST OF LABELS.

| Title. | Name. | No. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|---|
| A. | | | | | |
| "Ætna Elastic Gum Boot, Ætna Rubber Mills, Boston" | C. M. Clapp | 1,930 | Apr. 22, 1879 | 15 | 606 |
| "Ætna Pure Gum Iron Clads" | C. M. Clapp | 1,962 | May 20, 1879 | 15 | 782 |
| "Aindrieg's Universal Pain Reliever" | S. K. Pierson | 1,948 | May 6, 1879 | 15 | 696 |
| "Alaska Razor Hone" | J. W. Smith | 1,994 | June 24, 1879 | 15 | 1016 |
| "Anti-Constipation" | R. J. Owens | 1,871 | Feb. 25, 1879 | 15 | 250 |
| "A Present for the Little Folks" | J. Russell Cutlery Company | 1,822 | Jan. 7, 1879 | 15 | 2 |
| "Armour & Co., Packers, Chicago" | Armour & Co | 1,976 | June 3, 1879 | 15 | 884 |
| "Arnica Jelly" | C. H. Strong | 2,138 | Dec. 2, 1879 | 16 | 1007 |
| "Aromatised" (Pepsine) | J. S. Hawley | 2,067 | Sept. 16, 1879 | 16 | 502 |
| "Asiatic Cholera Drops, &c." | J. E. Van Den Bylardt | 1,996 | June 24, 1879 | 15 | 1016 |
| "August Gutschke's Best Fever Medicine, without Quinine" | A. Gutschke | 2,043 | Aug. 26, 1879 | 16 | 362 |
| "Australian Insecticide, Sure Death to all Insect Life" | H. Marshall | 1,890 | Mar. 11, 1879 | 15 | 344 |
| "Axford's Glass Hen Exhibition Incubator For Hatching Chickens." | H. W. Axford | 2,163 | Dec. 23, 1879 | 16 | 1143 |
| B. | | | | | |
| "Baleine Des Indes" | Neuss, Hesslein & Co | 2,063 | Sept. 16, 1879 | 16 | 502 |
| "Bankert's Family Liniment" | A. D. Bankert | 1,998 | July 8, 1879 | 16 | 50 |
| "Barlow's Browned Flour" | G. W. Barlow | 1,922 | Apr. 15, 1879 | 15 | 558 |
| "Barnard's Iron and Starch Polish Gems" | S. S. Barnard | 1,983 | June 17, 1879 | 15 | 972 |
| "Beautiful Finger Nails" | M. E. Pray | 2,142 | Dec. 2, 1879 | 16 | 1007 |
| "Beavis' Sure Cure For Catarrh" | C. Beavis | 2,134 | Dec. 2, 1879 | 16 | 1007 |
| "Before the Mast" | Schmidt & Co | 1,969 | May 20, 1879 | 15 | 782 |
| "Bennett M. D.'S. Nepenthes Ointment" | M. D. Bennett | 1,984 | June 17, 1879 | 15 | 972 |
| "Bennett's Ointment" | C. Bennett | 2,129 | Nov. 25, 1879 | 16 | 961 |
| "Berlin Sparkling Lager Beer" | H. Sawyer | 1,882 | Mar. 4, 1879 | 15 | 296 |
| "Black and Tan" | W. Wicke & Co | 1,975 | May 27, 1879 | 15 | 834 |
| "Bloomfield's Indian Dyspepsia Remedy" | W. A. Bloomfield | 2,053 | Sept. 2, 1879 | 16 | 412 |
| "Bombay" (for cigars) | G. Bence | 2,028 | Aug. 5, 1879 | 16 | 222 |
| "Boneset Bitters" | Essex Chemical Works | 1,877 | Mar. 4, 1879 | 15 | 296 |
| "Boston Angelica Slippers" | G. Hirsemann | 2,166 | Dec. 23, 1879 | 16 | 1143 |
| "Bovinine" (for an article of food) | J. P. Bush Company | 2,102 | Oct. 28, 1879 | 16 | 768 |
| "Bovinine, or the Vital Principles of Flesh" (medicine) | J. P. Bush Company | 2,050 | Sept. 2, 1879 | 16 | 412 |
| "Bowker's Ammoniated Food for Flowers" (for fertilizers) | Bowker Fertilizer Company | 2,097 | Oct. 21, 1879 | 16 | 726 |
| "Box-Label" | C. Jourgensen | 2,038 | Aug. 19, 1879 | 16 | 320 |
| "Boyer & Co., Improved French Blacking" | Boyer & Co | 1,845 | Jan. 28, 1879 | 15 | 88 |
| "Bradley & Vrooman Oleone Illuminator" | Bradley & Vrooman | 2,057 | Sept. 9, 1879 | 16 | 462 |
| "Bright's Kidney Remedy" | National Medicine Company | 2,171 | Dec. 23, 1879 | 16 | 1143 |
| "Brilliant Luster Silver Polish" | S. K. Montgomery | 1,891 | Mar. 11, 1879 | 15 | 344 |
| "Burnley's Liver Lozenges" | H. Burnley | 1,990 | June 24, 1879 | 15 | 1016 |
| "Butler's Rheumatic Remedy" | Butler & Clarridge | 2,123 | Nov. 18, 1879 | 16 | 911 |
| "Byrd & Taylor's Patent Blacking and Leather Preserver" | W. W. Byrd and B. Taylor | 2,084 | Oct. 7, 1879 | 16 | 633 |
| C. | | | | | |
| "Cake and Biscuit Baking Powder" | J. N. Stone | 1,995 | June 24, 1879 | 15 | 1016 |
| "California Grape Sugar Baking Powder" | E. Guittard | 1,956 | May 13, 1879 | 15 | 738 |
| "Camm's Emulsion of Pure Norwegian Cod Liver Oil with Hyphosphite, of Lime and Soda with Dialysed Iron." | Faulkner & Craighill | 1,878 | Mar. 4, 1879 | 15 | 296 |
| "Camphorated Cosmoline" | E. F. Houghton & Co | 1,886 | Mar. 4, 1879 | 15 | 296 |
| "Carbolated Petroleum Salve" | Stevens & Marsh | 1,986 | June 17, 1879 | 15 | 972 |
| "Carbolated Petroleum Soap" | Stevens & Marsh | 1,987 | June 17, 1879 | 15 | 972 |
| "Carbolisalve" (for salve) | J. W. Cole & Co | 2,140 | Dec. 2, 1879 | 16 | 1007 |
| "Carriage Bolts" | L. C. Clark | 2,122 | Nov. 18, 1879 | 16 | 911 |
| "Celebrated Peppermint Liniment" | J. L. Taylor & Co | 2,024 | July 15, 1879 | 16 | 98 |
| "Charibert" | Heppenheimer & Maurer | 1,973 | May 27, 1879 | 15 | 834 |
| "Chase's Vegetable Golden Sticking Salve" | G. W. Chase | 1,971 | May 27, 1879 | 15 | 834 |
| "Chelsea Packing House" | J. Thallon | 1,927 | Apr. 15, 1879 | 15 | 558 |
| "Chemical Carbonizing Compound" | N. B. Reeves | 2,036 | Aug. 12, 1879 | 16 | 270 |
| "Chemical Illuminating Combination" | L. H. Abrams | 1,952 | May 6, 1879 | 15 | 696 |
| "Chicago Cash House" | Buel, Cook & Seixas | 1,937 | Apr. 22, 1879 | 15 | 606 |
| "Choke Bore Powder" (for gunpowder) | E. I. Du Pont, De Nemours & Co. | 1,991 | June 24, 1879 | 15 | 1016 |
| "Cigar and Champagne Label" | Neuman & Dinglinger | 2,029 | Aug. 5, 1879 | 16 | 222 |
| "Cigar Label" | Heppenheimer & Maurer | 2,111 | Nov. 4, 1879 | 16 | 812 |
| "Cigar Labels" | Heppenheimer & Maurer | 1,997 | July 1, 1879 | 16 | 2 |
| "Claristo" | Heppenheimer & Maurer | 1,964 | May 20, 1879 | 15 | 782 |
| "Clark's Indian Cough Syrup" | Henson & Harrison | 1,963 | May 20, 1879 | 15 | 782 |
| "Coaline, The Electric Cleanser" | N. T. Folsom & Co | 2,023 | July 15, 1879 | 16 | 98 |
| "Col. Dwight" | Heppenheimer & Maurer | 1,945 | May 6, 1879 | 15 | 696 |
| "Collins & Co. Celebrated Axes" | Collins Company | 1,869 | Feb. 25, 1879 | 15 | 249 |
| "Compound Syrup of Tar, Wild Cherry, and Horehound" | C. O. Rano | 1,824 | Jan. 7, 1879 | 15 | 2 |
| "Compound Tar Porous Plaster" | A. Wilson | 1,970 | May 20, 1879 | 15 | 782 |
| "Coney Island Milk Crackers" | Bell, Mains & Co | 1,999 | July 8, 1879 | 16 | 50 |
| "Crane's Extra Superfine Ladies' Note Paper" | Z. Crane, jr., & Bro | 2,165 | Dec. 23, 1879 | 16 | 1143 |
| "Crane's Superfine Ladies' Note Paper" | Z. Crane, jr., & Bro | 2,164 | Dec. 23, 1879 | 16 | 1143 |
| "Crosby's Headache Cure" | Crosby & Co | 1,977 | June 3, 1879 | 15 | 884 |
| "Crosby's 5 Minute Cure" (for a medicine) | Crosby & Co | 2,087 | Oct. 14, 1879 | 16 | 682 |
| "Cuban Chill Tonic. The Great West Indies Fever and Ague Remedy." | I. S. Parker | 1,879 | Mar. 4, 1879 | 15 | 296 |

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| Title. | Name. | No. | Date. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|
| "Cunningham's Compound Illuminator" | G. Cunningham, S. Worden, and L. Hillard. | 2,109 | Nov. 4, 1879 | 16 | 812 |
| "Cylinder Bore Powder" (for gunpowder) | E. I. Dupont, De Nemours & Co. | 1,992 | June 24, 1879 | 15 | 1016 |
| D. | | | | | |
| "D. C. Griswold's Carpathian Balsam, or Sure Cure" | D. C. Griswold | 2,175 | Dec. 30, 1879 | 16 | 1190 |
| "Densner's Merchandise Token" | P. Densner, jr | 2,107 | Oct. 28, 1879 | 16 | 768 |
| "D. J. Duffy's Improved Dr. A. Q. Simmons Liver Medicine" | D. J. Duffy | 1,935 | Apr. 22, 1879 | 15 | 606 |
| "Douglas' Amadine Solution" | Dudley & Co | 2,131 | Nov. 25, 1879 | 16 | 961 |
| "Drake's Arnica Cream" | E. G. and L. D. Sternberg | 2,119 | Nov. 11, 1879 | 16 | 860 |
| "Dreydoppel's Borax Soap" | W. Dreydoppel | 1,864 | Feb. 18, 1879 | 15 | 202 |
| "Dr. Bliss' Catarrh Bitters" | C. B. Kingsley | 1,911 | Apr. 1, 1879 | 15 | 466 |
| "Dr. C. A. Holman's Catarrhal Pad" | J. H. Noble and W. A. Sallade | 1,967 | May 20, 1879 | 15 | 782 |
| "Dr. C. A. Holman's Genital Pad" | J. H. Noble and W. A. Sallade | 1,968 | May 20, 1879 | 15 | 782 |
| "Dr. Casad's Indian Strawberry Syrup" | Casad & Timmons | 1,939 | Apr. 29, 1879 | 15 | 652 |
| "Dr. Champlin's Worm and Bilious Remedy" | H. C. Champlin | 1,861 | Feb. 11, 1879 | 15 | 166 |
| "Dr. Eric Adolphus' Genuine Swedish Bitters" | W. H. Brill | 1,953 | May 6, 1879 | 15 | 696 |
| "Dr. Harrison's Pain Curer" | S. W. Harrison | 1,875 | Feb. 25, 1879 | 15 | 250 |
| "Dr. Harrison's Soothing Balm" | S. W. Harrison | 2,117 | Nov. 11, 1879 | 16 | 860 |
| "Dr. Harter's Ague Specific Pills" | Harter Medicine Company | 2,074 | Sept. 23, 1879 | 16 | 548 |
| "Dr. Harter's Fever and Ague Specific" | Harter Medicine Company | 2,076 | Sept. 23, 1879 | 16 | 548 |
| "Dr. Harter's (Improved) Liniment" | Harter Medicine Company | 2,077 | Sept. 23, 1879 | 16 | 548 |
| "Dr. Harter's Iron Tonic" | Harter Medicine Company | 2,071 | Sept. 23, 1879 | 16 | 548 |
| "Dr. Harter's Liver Pills" | Harter Medicine Company | 2,070 | Sept. 23, 1879 | 16 | 458 |
| "Dr. Harter's Lung Balm" | Harter Medicine Company | 2,075 | Sept. 23, 1879 | 16 | 458 |
| "Dr. Harter's Soothing Drops" | Harter Medicine Company | 2,072 | Sept. 23, 1879 | 16 | 458 |
| "Dr. Holland's Creatine Troches" | J. W. Hart | 2,027 | July 29, 1879 | 16 | 176 |
| "Dr. Holl's Family Panacea" | H. Holl | 2,061 | Sept. 16, 1879 | 16 | 502 |
| "Dr. Joseph Connell's Indiana Ague Cure" | J. Connell | 2,086 | Oct. 14, 1879 | 16 | 682 |
| "Dr. King's Hop Cordial" | H. E. Bucklen | 2,149 | Dec. 16, 1879 | 16 | 1099 |
| "Dr. Kline's Lung Cure" | R. H. Kline | 2,110 | Nov. 4, 1879 | 16 | 812 |
| "Dr. M. G. Harter's German Vermifuge Candy" | Harter Medicine Company | 2,073 | Sept. 23, 1879 | 16 | 548 |
| "Dr. Mott's Celebrated Dandelion Bitters" | H. J. McCormick | 2,161 | Dec. 16, 1879 | 16 | 1099 |
| "Dr. M. W. Case's Carbolate of Tar Inhalant" | M. W. Case | 1,955 | May 13, 1879 | 15 | 738 |
| "Dr. M. Wilson's Radical Cure" | M. Wilson | 2,079 | Sept. 23, 1879 | 16 | 548 |
| "Dr. Utzinger's Alpine Herb Cure for Consumption" | H. Utzinger | 2,167 | Dec. 23, 1879 | 16 | 1143 |
| "Dr. Von Senden's Zusammengesetzter Fenchel-Hoing-Extrakt" | Hinrichs Brothers | 1,830 | Jan. 14, 1879 | 15 | 33 |
| "Dr. V. R. Stone's Apepsia" (for medicine) | V. R. Stone | 2,154 | Dec. 16, 1879 | 16 | 1099 |
| "Dr. Walkinshaw's Curative Bitters" | M. G. Walkinshaw and H. Hewitt | 2,174 | Dec. 30, 1879 | 16 | 1190 |
| "Dr. White's Eye Balsam" | O. E. A. Wiessner | 1,902 | Mar. 18, 1879 | 15 | 390 |
| "Dr. Williams' Celebrated Liniment" | J. C. Williams | 2,048 | Aug. 26, 1879 | 16 | 362 |
| "Dr. Yellowstone, Herbs of Wonder" | W. A. J. Fiss | 1,828 | Jan. 14, 1879 | 15 | 33 |
| E. | | | | | |
| "Effervescent Solution of Tartrate of Potassium and Sodium" | G. C. Frye | 2,006 | July 15, 1879 | 16 | 98 |
| "E. Guittard & Co., San Francisco, Sweet German Chocolate" | E. Guittard | 2,172 | Dec. 30, 1879 | 16 | 1190 |
| "Electric Light" | G. S. Harris & Son | 1,903 | Mar. 25, 1879 | 15 | 428 |
| "Elixir of Saw Palmetto (Sabal Serrulata)" | A. A. Solomons | 2,112 | Nov. 4, 1879 | 16 | 812 |
| "Elixir of Youth" (for medicine) | A. James & Co | 2,088 | Oct. 14, 1879 | 16 | 682 |
| "El Mejor Café Molido de Costa Rica Primera Calidad" | E. Guittard | 2,116 | Nov. 11, 1879 | 16 | 860 |
| "Empire Packing House" | J. Thallon | 1,926 | Apr. 15, 1879 | 15 | 558 |
| "English Condition Powders" | J. S. Knapp | 2,136 | Dec. 2, 1879 | 16 | 1007 |
| "Essence of Jamaica Ginger" | H. F. A. Pinckney & Co | 2,014 | July 15, 1879 | 16 | 98 |
| "Essence of Jamaica Ginger" | H. F. A. Pinckney & Co | 2,019 | July 15, 1879 | 16 | 98 |
| "Evergreen" | New York Label Publishing Company of N. Witsch and J. Schmitt. | 1,889 | Mar. 4, 1879 | 15 | 296 |
| "Everlasting Cologne" | R. H. Browne | 1,849 | Feb. 4, 1879 | 15 | 126 |
| "Exposition Universelle Internationale de 1873 Paris" | Palm & Fechteler | 1,912 | Apr. 1, 1879 | 15 | 466 |
| "Extra Fine 64 x 64 Cambric French Kid Finish Specially Adapted For The Best City Trade." | Millville Manufacturing Company. | 2,170 | Dec. 23, 1879 | 16 | 1143 |
| "Extra Genuine Mustard" | H. F. A. Pinckney & Co | 2,016 | July 15, 1879 | 16 | 98 |
| "Extra Heavily Plated Medium Knives" | W. Rogers | 2,004 | July 8, 1879 | 16 | 50 |
| F. | | | | | |
| "Face Wash" | H. F. Romaine & Co | 2,125 | Nov. 18, 1879 | 16 | 911 |
| "Farrar's Non-Explosive Water Gas" | S. B. Farrar | 2,042 | Aug. 26, 1879 | 16 | 362 |
| "Finest Bermuda Arrow Root" | H. F. A. Pinckney & Co | 2,012 | July 15, 1879 | 16 | 98 |
| "Finlayson, Bousfield & Co., Johnstone, near Glasgow" (for Linen Thread.) | J. R. Leeson & Co | 2,099 | Oct. 21, 1879 | 16 | 726 |
| "Flavoring Extracts" | E. F. Brainard | 2,083 | Oct. 7, 1879 | 16 | 633 |
| "Fluid Cosmoline (Petroleol)" | E. F. Houghton & Co | 1,885 | Mar. 4, 1879 | 15 | 296 |
| "Ford's Rupture Ointment" | H. Ford | 2,132 | Nov. 25, 1879 | 16 | 961 |
| "Fragrant Tooth Powder" | Hood & Reynolds | 1,904 | Mar. 25, 1879 | 15 | 428 |
| "Franco-American Heel" (for boot and shoe heels) | Pevear, Hamden & Co | 2,047 | Aug. 26, 1879 | 16 | 362 |
| G. | | | | | |
| "Gelatine Suppositories" | J. Homer | 1,909 | Apr. 1, 1879 | 15 | 466 |
| "Genuine East India Curry Powder" | H. F. A. Pinckney & Co | 2,017 | July 15, 1879 | 16 | 98 |
| "Genuine East India Curry Powder" | H. F. A. Pinckney & Co | 2,020 | July 15, 1879 | 16 | 98 |
| "Genuine Shot Pepper" | H. F. A. Pinckney & Co | 2,022 | July 15, 1879 | 16 | 98 |
| "Geo. G. Steketee's Holland Root and Herb Bitters" | G. G. Steketee | 1,906 | Mar. 25, 1879 | 15 | 428 |
| "George's Pile and Gravel Pills" | E. Evans and T. H. Jones | 1,836 | Jan. 21, 1879 | 15 | 60 |
| "Gg. Ss. Pp. Gin Salt Petre" | F. V. Rushton | 2,064 | Sept. 16, 1879 | 16 | 502 |
| "Glencoe Distillery" | F. Stitzel | 1,941 | Apr. 29, 1879 | 15 | 652 |
| "Glycerated Lime Juice" | R. Lautenbach | 2,159 | Dec. 16, 1879 | 16 | 1099 |
| "Goodyear Storm Coat" | Union India Rubber Company | 2,121 | Nov. 11, 1879 | 16 | 860 |
| "Gordon's Neurotic Elixir" | J. C. Daggett and R. F. Gordon | 1,894 | Mar. 18, 1879 | 15 | 390 |
| "Granulated Dirt Killer Soap" | J. Waeferling | 2,068 | Sept. 23, 1879 | 16 | 548 |
| "Grinnell Mills" (for package-twine) | H. G. Disbrow | 2,093 | Oct. 14, 1879 | 16 | 682 |

*Alphabetical list of labels*—Continued.

| Title. | Name. | No. | Date. | Official Gazette. Vol. | Official Gazette. Page. |
|---|---|---|---|---|---|
| "Gross' Rheumatic Remedy" | P. F. Gross | 1,931 | Apr. 22, 1879 | 15 | 606 |
| "Guaranteed Not to Rip" | Double Thread Sewing Machine Company. | 1,943 | Apr. 29, 1879 | 15 | 652 |
| "Guernsey's Cod-Fish Brick" (for codfish) | S. B. Guernsey | 2,094 | Oct. 14, 1879 | 16 | 682 |
| H. | | | | | |
| "Hale's Cough Cordial" | O. Williams | 1,860 | Feb. 11, 1879 | 15 | 166 |
| "Hall's Catarrh Cure" | F. J. Cheney | 2,115 | Nov. 11, 1879 | 16 | 859 |
| "Halter Chains" | E. Kempshall | 2,039 | Aug. 19, 1879 | 16 | 320 |
| "Harless' Medicated Cough Caramels" | A. Harless | 1,972 | May 27, 1879 | 15 | 834 |
| "Hartshorn or Ammonia For Family Use" | C. N. Finch & Co | 2,141 | Dec. 2, 1879 | 16 | 1007 |
| "Hegeman & Co.'s Lelia Pith Camphor Ice, with Glycerine, Introduced in 1878." | Hegeman & Co | 1,888 | Mar. 4, 1879 | 15 | 296 |
| "Hegeman's. Formerly Velpeau's, Celebrated Remedy for Diarrhœa." | J. N. Hegeman | 2,158 | Dec. 16, 1879 | 16 | 1099 |
| "Heinrich Beerenburg's Hollandisches Kranter-Elixir" | J. Rendigs | 1,859 | Feb. 11, 1879 | 15 | 166 |
| "Hepatic, Diuretic, Cathartic. Dose from 1 to 4" | E. J. Mattocks | 2,133 | Nov. 25, 1879 | 16 | 961 |
| "Hires' Improved Root Beer" | C. Hires | 1,908 | Apr. 1, 1879 | 15 | 466 |
| "Holland Cough Syrup" | J. L. Taylor & Co | 1,934 | Apr. 22, 1879 | 15 | 606 |
| "Holland Strengthening Tonic and Liver Invigorator" | J. L. Taylor | 1,942 | Apr. 29, 1879 | 15 | 652 |
| "Holy Land Oil" | J. Harvey | 1,928 | Apr. 15, 1879 | 15 | 558 |
| "Homburg Tea" | F. Raas | 1,925 | Apr. 15, 1879 | 15 | 558 |
| "Hood's French Cologne" | M. C. Hood & Co | 1,901 | Mar. 18, 1879 | 15 | 390 |
| "Hooper's Cough Mixture" | J. P. Scherff | 1,852 | Feb. 4, 1879 | 15 | 126 |
| "Hop Plaster" | C. S. Warner | 2,025 | July 15, 1879 | 16 | 98 |
| "Howell's Botanic Cough Syrup" | A. Howell | 2,101 | Oct. 21, 1879 | 16 | 726 |
| "Howell's Floral Tonic" | A. Howell | 2,118 | Nov. 11, 1879 | 16 | 860 |
| "Hunt's Celebrated Piano Polish" | Hunt Brothers | 1,855 | Feb. 11, 1879 | 15 | 166 |
| "H. W. King's Celebrated London Butter Scotch" (candy) | H. W. King | 1,981 | June 10, 1879 | 15 | 926 |
| "Hyde's Rheumatic Pills" | J. J. Lash | 1,857 | Feb. 11, 1879 | 15 | 166 |
| "Hygienic Phosphatic Pomade (for external use)" | J. M. Hunter | 1,832 | Jan. 14, 1879 | 15 | 33 |
| I. | | | | | |
| "Improved Cast Steel Planter's Hoe" | Hubbard, Bakewell & Co | 2,032 | Aug. 5, 1879 | 16 | 222 |
| "Indigo" | H. F. A. Pinckney & Co | 2,018 | July 15, 1879 | 16 | 98 |
| "Ingram's Pills. Infallible Cure for Chills. The Great Substitute for Quinine." | F. F. Ingram | 2,003 | July 8, 1879 | 16 | 50 |
| J. | | | | | |
| "James' Dandelion" | S. Whittier | 1,918 | Apr. 8, 1879 | 15 | 508 |
| "James' Wine of Hops" | S. Whittier | 1,919 | Apr. 8, 1879 | 15 | 508 |
| "J. & B. Thorp's Penetrating Oil Liniment" | J. & B. Thorp | 2,095 | Oct. 14, 1879 | 16 | 682 |
| "Juniper Tar Cough Balsam" | G. W. Merse | 1,895 | Mar. 18, 1879 | 15 | 390 |
| K. | | | | | |
| "Kellogg's Extract Jamaica Ginger" | Kellogg, Adams & Eaton | 1,900 | Mar. 18, 1879 | 15 | 390 |
| "Kellogg's Pure Extract Vanilla" | Kellogg, Adams & Eaton | 1,899 | Mar. 18, 1879 | 15 | 390 |
| "Kellogg's Superior Extract of Lemon" | Kellogg, Adams & Eaton | 1,898 | Mar. 18, 1879 | 15 | 390 |
| "Kellogg's Superior Extract of Vanilla" | Kellogg, Adams & Eaton | 1,897 | Mar. 18, 1879 | 15 | 390 |
| "Key West" (for tobacco) | R. D. Kellogg | 2,069 | Sept. 23, 1879 | 16 | 548 |
| "Kieffer's Peruvian Cure" | E. J. Kieffer & Co | 1,932 | Apr. 22, 1879 | 15 | 606 |
| "King Nicotine" | Heppenheimer & Maurer | 1,978 | June 3, 1879 | 15 | 884 |
| "Kinslow Kerosene" | F. D. Carley | 2,130 | Nov. 25, 1879 | 16 | 961 |
| "Koehler's Original California Champagne Pear Cider" | M. Koehler | 1,856 | Feb. 11, 1879 | 15 | 166 |
| "Kuhlmann's Furniture and Frame Renewer" | W. H. Kuhlmann | 2,151 | Dec. 16, 1879 | 16 | 1099 |
| L. | | | | | |
| "Label for Polishing Powder" | A. G. Trask | 1,988 | June 17, 1879 | 15 | 972 |
| "La Jeunesse" | Heppenheimer & Maurer | 1,946 | May 6, 1879 | 15 | 696 |
| "Lake Drummond Copper-Distilled Pure Rye Whisky" | J. & E. Mahoney | 2,031 | Aug. 5, 1879 | 16 | 222 |
| "Language of the Fan" | Field, Leiter & Co | 1,907 | Apr. 1, 1879 | 15 | 466 |
| "Lelia Pith for the Complexion" | Hegeman & Co | 1,837 | Jan. 21, 1879 | 15 | 60 |
| "Locomotive" | Donaldson Brothers | 1,980 | June 10, 1879 | 15 | 926 |
| "London Horse and Cattle Food" | J. S. Knapp | 2,078 | Sept. 23, 1879 | 16 | 548 |
| "Loomis' Compound Sandal Wood Paste" | S. Loomis | 2,103 | Oct. 28, 1879 | 16 | 768 |
| "Lyons Parchment, Silk Finish" (for Writing Paper) | E. C. Rogers | 2,030 | Aug. 5, 1879 | 16 | 222 |
| M. | | | | | |
| "Madam Morgan's Cough Remedy" | A. W. Morgan | 2,041 | Aug. 19, 1879 | 16 | 320 |
| "Manufactured and Finished for Family Use" | C. H. Huntting | 2,045 | Aug. 26, 1879 | 16 | 362 |
| "Manufactured by Rosenblatt & Co" | Rosenblatt & Co | 1,831 | Mar. 4, 1879 | 15 | 296 |
| "Marden's Instantaneous Pain Destroyer" | S. D. Marden | 2,052 | Sept. 16, 1879 | 16 | 502 |
| "Maria Stuart" (for cigars) | H. R. Kelly | 2,089 | Oct. 14, 1879 | 16 | 682 |
| "Maria Stuart No. 2" (for cigars, &c) | H. R. Kelly | 2,090 | Oct. 14, 1879 | 16 | 682 |
| "Marsden's Calisaya Tonic" | G. R. Finlay and T. W. Marsden | 2,008 | July 15, 1879 | 15 | 98 |
| "Marsden's Carminative Syrup" | G. R. Finlay and T. W. Marsden | 2,007 | July 15, 1879 | 16 | 98 |
| "Marsden's Pectoral Balm" | G. R. Finlay and T. W. Marsden | 2,010 | July 15, 1879 | 16 | 98 |
| "Marsden's Zarsaparilla" | G. R. Finlay and T. W. Marsden | 2,009 | July 15, 1879 | 16 | 98 |
| "Masquerade" | Neuman & Dinglinger | 1,905 | Mar. 25, 1879 | 16 | 428 |
| "McGilfrey's Great Neuralgia Cure" | McGilfrey & Dings | 1,846 | Jan. 28, 1879 | 15 | 88 |
| "Meadows' Liniment" | A. C. Tufts | 1,873 | Feb. 25, 1879 | 15 | 250 |
| "Moore's Throat and Lung Lozenges" | C. C. Moore | 2,085 | Oct. 7, 1879 | 16 | 633 |
| "Moran's Washing Fluid. A Superior Preparation" | K. Moran | 2,152 | Dec. 16, 1879 | 16 | 1099 |
| "Morgan's Soft Lozenge" | W. B. Morgan | 2,173 | Dec. 30, 1879 | 16 | 1190 |
| "Morning Glory" | W. Wicke & Co | 1,951 | May 6, 1879 | 15 | 696 |
| "Mrs. E. M. Newton's Hair Tonic" | E. M. Newton | 1,979 | June 3, 1879 | 15 | 884 |
| "Mrs. R. Leslie Jones' Hair Tonic" | R. L. Jones | 1,910 | Apr. 1, 1879 | 15 | 466 |
| "Mrs. R. S. Bailey's Dress Chart" | R. S. Bailey | 1,867 | Feb. 25, 1879 | 15 | 249 |
| "Mrs. Winslow's Hair Restorer" | L. Gerhard | 1,829 | Jan. 14, 1879 | 15 | 33 |
| "Murphy & Baxter's Waterproof Stove Gloss" | N. H. Murphy & Co | 1,840 | Jan. 21, 1879 | 15 | 60 |

*Alphabetical list of labels*—Continued.

| Title. | Name. | No. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|---|
| N. | | | | | |
| "Natural Wool Oil" | C. Pratt, H. H. Rogers, and H. A. Pratt. | 2,127 | Nov. 25, 1879 | 16 | 961 |
| "Neuralgia Cure" | S. T. Stone | 1,865 | Feb. 18, 1879 | 15 | 202 |
| "New Jamaica Allspice" | H. F. A. Pinckney & Co | 2,021 | July 15, 1879 | 16 | 98 |
| "New Patterns, Linden, Countess, Venetian" | W. Rogers | 2,034 | Aug. 12, 1879 | 16 | 270 |
| "New Patterns, Marquis, Egyptian Tipped" | W. Rogers | 2,033 | Aug. 12, 1879 | 16 | 270 |
| "New York's Best" (for cigars, cigarettes, and tobacco) | J. Blakely | 2,005 | July 15, 1879 | 16 | 98 |
| "Nichol's Infallible Injection" | E. H. Baxter | 2,096 | Oct. 21, 1879 | 16 | 726 |
| "Night Cap" | G. S. Harris & Son | 1,940 | Apr. 29, 1879 | 15 | 652 |
| "Nipon" | New York Label Publishing Company of N. Witsch and J. Schmitt. | 1,843 | Jan. 21, 1879 | 15 | 60 |
| "No. 1 Extra" (for brooms) | H. Behren | 2,049 | Sept. 2, 1879 | 16 | 412 |
| "Not Subject to Fits" | H. Pennington & Co | 1,880 | Mar. 4, 1879 | 15 | 296 |
| "Notice" (for ground spices) | H. F. A. Pinkney & Co | 2,013 | July 15, 1879 | 16 | 98 |
| "Nubian Iron Polish" | C. H. Kingman | 2,040 | Aug. 19, 1879 | 16 | 320 |
| O. | | | | | |
| "Old's Medicated Ozone and Oxygen Inhaler" | E. F. Olds | 1,858 | Feb. 11, 1879 | 15 | 166 |
| "Oleaginous Natural Hypophosphite" | J. M. Hunter | 1,831 | Jan. 14, 1879 | 15 | 33 |
| "O'Neill's Polished or Burnished Electroplated Nickel, Copper or Brass or Yellow Metal Sheet." | A. O'Neill | 2,046 | Aug. 26, 1879 | 16 | 362 |
| "Orange County Condensed Milk" | Orange County Milk Association. | 2,100 | Oct. 21, 1879 | 16 | 726 |
| "Oregon Bear Berry Bitters" | H. J. McCormick | 2,162 | Dec. 16, 1879 | 16 | 1099 |
| "Ottumwa Starch" | Ottumwa Starch Company | 1,982 | June 10, 1879 | 15 | 926 |
| P. | | | | | |
| "Pain-Killing Liniment" | J. Johnson | 1,838 | Jan. 21, 1879 | 15 | 60 |
| "Pallaso" | R. Ulmer | 1,892 | Mar. 11, 1879 | 15 | 344 |
| "Palmer's Liquid Bleaching Blue" | L. Palmer | 1,947 | May 6, 1879 | 15 | 696 |
| "Parisian Suitings Manufactured from Selected Stock" | E. Dale, E. R. Morse, and J. A. Appleton. | 1,874 | Feb. 25, 1879 | 15 | 250 |
| "Parker's German Breakfast Coffee" | G. L. Parker | 1,954 | May 6, 1879 | 15 | 696 |
| "Pearl Injection" | Pearl Manufacturing Company | 1,835 | Jan. 14, 1879 | 15 | 33 |
| "Pearls" | Pearl Manufacturing Company | 1,834 | Jan. 14, 1879 | 15 | 33 |
| "Pels' Corn Solvent" | M. Pels | 2,108 | Oct. 28, 1879 | 16 | 768 |
| "Pernio Percuro. A Sure Cure for Chilblains and Frost Bites" | G. P. Perry and J. V. Emmitt | 2,137 | Dec. 2, 1879 | 16 | 1007 |
| "Peter's Rheumatic Elixir" | C. W. Peters | 1,833 | Jan. 14, 1879 | 15 | 33 |
| "Peyton's Calcium Light or New Illuminator" | L. D. Peyton | 1,957 | May 13, 1879 | 15 | 738 |
| "Phelan's Non-Perishable Ink Eraser" | M. J. Phelan | 2,128 | Nov. 25, 1879 | 16 | 961 |
| "Pinckney's Saleratus" | H. F. A. Pinckney & Co | 2,015 | July 15, 1879 | 16 | 98 |
| "Pinckney's Spices" | H. F. A. Pinckney & Co | 2,001 | July 8, 1879 | 16 | 50 |
| "Plug Tobacco Label No. 1." | Donaldson Brothers | 2,143 | Dec. 9, 1879 | 16 | 1053 |
| "Plug Tobacco Label No. 2." | Donaldson Brothers | 2,144 | Dec. 9, 1879 | 16 | 1053 |
| "Plug Tobacco Label No. 3." | Donaldson Brothers | 2,145 | Dec. 9, 1879 | 16 | 1053 |
| "Poindexter's Carbolic Mouth Elixir" | C. W. Poindexter | 1,924 | Apr. 15, 1879 | 15 | 558 |
| "Poirrier's Domestic French Dye Colors" | F. A. Colby | 2,092 | Oct. 14, 1879 | 16 | 682 |
| "Porcelain Paint Company" | Porcelain Paint Company | 1,961 | May 13, 1879 | 15 | 738 |
| "Post Haste" | Heppenheimer & Maurer | 1,965 | May 20, 1879 | 15 | 782 |
| "Poudre de Toilette" | J. W. Day | 2,126 | Nov. 25, 1879 | 16 | 961 |
| "Princess Louise" | W. Wicke & Co. | 1,883 | Mar. 4, 1879 | 15 | 296 |
| "Print For Barrels, Casks, and Packages Containing Whiskey" | Mohr, Mohr & Co | 2,160 | Dec. 16, 1879 | 16 | 1099 |
| "Professor" | W. Wicke & Co | 1,851 | Feb. 4, 1879 | 15 | 126 |
| "Pruneaux Laxatifs. Laxative Fruit Lozenges" | F. Squair | 1,933 | Apr. 22, 1879 | 15 | 606 |
| "Pull it Out" | J. H. Bolto | 1,914 | Apr. 8, 1879 | 15 | 508 |
| "Pure Burnt Umber" | Parker, Coit & Co | 1,842 | Jan. 21, 1879 | 15 | 60 |
| "Pure Crystal Baking Powder, Syracuse, N. Y." | Colton & Lansing | 2,037 | Aug. 12, 1879 | 16 | 270 |
| "Pure White Amalgam" | L. S. Smith | 2,065 | Sept. 16, 1879 | 16 | 502 |
| "Purity Yeast Powder" | J. N. Stone | 1,920 | Apr. 8, 1879 | 15 | 508 |
| R. | | | | | |
| "Race's Indian Blood Renovator" | A. R., J. W., W. W., and C. W. Race. | 1,949 | May 6, 1879 | 15 | 696 |
| "Red Robin" | W. Wicke & Co | 1,950 | May 6, 1879 | 15 | 696 |
| "Reliable" | Colgate & Co | 1,854 | Feb. 11, 1879 | 15 | 166 |
| "Remedy for Worms" | J. M. Howard | 2,124 | Nov. 18, 1879 | 16 | 911 |
| "Rheumatismo Remedium Certissimum. The Great English Liniment. A Sure Cure For Rheumatism and Sprains." | J. V. Emmitt | 2,135 | Dec. 2, 1879 | 16 | 1007 |
| "Rocky Mountain Pain Plant Oil" | A. Vansteenburg | 2,081 | Sept. 30, 1879 | 16 | 590 |
| "Rose Egg Ice" | J. N. Hegeman | 2,157 | Dec. 16, 1879 | 16 | 1009 |
| S. | | | | | |
| "Savon Du Carmel" | F. B. Nichols | 1,923 | Apr. 15, 1879 | 15 | 558 |
| "Schlotterbeck's Concentrated Effervescent Solution of the Citro-Tartrates" (for medicine). | A. G. Schlotterbeck | 2,082 | Sept. 30, 1879 | 16 | 590 |
| "Scott & Bowne's Palatable Castor Oil in an Emulsion" | Scott & Bowne | 1,825 | Jan. 7, 1879 | 15 | 2 |
| "Self-Speaking Liniment" | S. K. Wickham & Co | 1,848 | Jan. 28, 1879 | 15 | 88 |
| "Serky's Tea" | T. D'Apéry | 1,915 | Apr. 8, 1879 | 15 | 508 |
| "Seward's Cough Cure" | Sagar & Bowman | 2,080 | Sept. 30, 1879 | 16 | 590 |
| "Shafer's Medicinal Blackberry Brandy" | I. C. Shafer | 2,120 | Nov. 11, 1879 | 16 | 860 |
| "Sherk's Indian Diarrhoea Cordial," &c | W. Sherk | 1,960 | May 13, 1879 | 15 | 738 |
| "Simonds' Glove and Ribbon Cleaner" | W. H. Simonds | 1,974 | May 27, 1879 | 15 | 834 |
| "Single-Stroke Staple Press" | G. W. McGill | 1,839 | Jan. 21, 1879 | 15 | 60 |
| "Small Grain Bourbon" | Strauss, Pritz & Co | 1,868 | Feb. 25, 1879 | 15 | 249 |
| "S. M. Bond's Cleansing Soap" | S. M. Bond | 1,938 | Apr. 29, 1879 | 15 | 652 |
| "Smith's Asthma Cure" | E. G. Smith | 1,929 | Apr. 15, 1879 | 15 | 558 |
| "Solomons' Inspissated Juice of Saw Palmetto (Sabal Serrulata)" | A. A. Solomons | 2,113 | Nov. 4, 1879 | 16 | 812 |
| "Solomons' Saccharated Oil of Saw Palmetto (Sabal Serrulata)" | A. A. Solomons | 2,114 | Nov. 4, 1879 | 16 | 812 |
| "Somers' Antidote to Malaria" | M. A. Livor | 1,966 | May 20, 1879 | 15 | 782 |

*Alphabetical list of labels*—Continued.

| Title. | Name. | No. | Date. | Official Gazette. Vol. | Page. |
|---|---|---|---|---|---|
| "Spirit Relief for Pain" (for medicine) | W. McCurdy | 2,026 | July 29, 1879 | 16 | 176 |
| "Spotless Family Flour" | Thomas & Benham | 1,959 | May 13, 1879 | 15 | 738 |
| "Standard Silver Polish" | M. A. Burker | 2,168 | Dec. 23, 1879 | 16 | 1143 |
| "Standard Strengthening Porous Plaster" | D. R. Doty & Co | 2,169 | Dec. 23, 1879 | 16 | 1143 |
| "Staple Binder" | G. W. McGill | 1,826 | Jan. 7, 1879 | 15 | 2 |
| "Staple Fastener" | G. W. McGill | 1,827 | Jan. 7, 1879 | 15 | 2 |
| "Stone's Pure Cod Liver Oil" | Tonrtel & Gerrish | 2,011 | July 15, 1879 | 16 | 98 |
| "Strassman's Blood Renovator. The Best Alterative and Depurative ever Discovered." | M. Strassman | 2,104 | Oct. 28, 1879 | 16 | 768 |
| "Strassman's Febrifuge" | M. Strassman | 2,056 | Sept. 2, 1879 | 16 | 412 |
| "Strassman's Medicinal Wine Bitters" | M. Strassman | 2,055 | Sept. 2, 1879 | 16 | 412 |
| "Strassman's Radical Restorative" | M. Strassman | 2,105 | Oct. 28, 1879 | 16 | 768 |
| "Strassman's Reparative Balsam" | M. Strassman | 2,106 | Oct. 28, 1879 | 16 | 768 |
| "Sub-cerate Cosmoline (Sub-ceratum Petrolei)" | E. F. Houghton & Co | 1,887 | Mar. 4, 1879 | 15 | 296 |
| "Sulphited Soap" | W. Olds and E. C. Andrews | 1,850 | Feb. 4, 1879 | 15 | 126 |
| "Surety" | M. W. Prager | 1,896 | Mar. 18, 1879 | 15 | 390 |
| "Swiss Liver Compound and Blood Purifier" | J. Houriet | 1,884 | Mar. 4, 1879 | 15 | 296 |
| "Syrup of Figs" | W. Pinniger and R. E. Queen | 2,060 | Sept. 9, 1879 | 16 | 462 |
| T. | | | | | |
| "Tankesley's Vegetable Pain Destroyer" | J. A. Tankesley | 1,917 | Apr. 8, 1879 | 15 | 508 |
| "Tar Liquorice for Bronchitis, Coughs, Colds, &c." | W. E. Armstrong | 1,844 | Jan. 28, 1879 | 15 | 87 |
| "Tasteless Castor Oil Emulsion" | A. Richter | 1,823 | Jan. 7, 1879 | 15 | 2 |
| "The Bone Dissolvent. Warranted to cure Bone Spavin, Ringbone, Curb and Splint within 36 hours without injury to the skin." | C. G. Horton & Co | 1,936 | Apr. 22, 1879 | 15 | 606 |
| "The Bullfighter" (for cigars, &c.) | H. R. Kelly | 2,091 | Oct. 14, 1879 | 16 | 682 |
| "The Corn Killer" | J. D. Judge | 1,862 | Feb. 18, 1879 | 15 | 202 |
| "The Cottage" | New York Label Publishing Company of N. Witsch and J. Schmitt. | 1,853 | Feb. 4, 1879 | 15 | 126 |
| "The Crawford Liver and Kidney Pad" | W. W. Crawford | 1,985 | June 17, 1879 | 15 | 972 |
| "The Crop Grower" | A. C. Adamson | 1,821 | Jan. 7, 1879 | 15 | 2 |
| "The Eddy Refrigerator" | D. Eddy & Son | 2,146 | Dec. 9, 1879 | 16 | 1053 |
| "The Great German Liquid Liver Medicine and Tonic" | E. C. Williamson | 2,002 | July 8, 1879 | 16 | 50 |
| "The Infallible Remedy for Rheumatism" | T. Beech, jr., & Co | 2,035 | Aug. 12, 1879 | 16 | 270 |
| "The Ladies' Friend, or the Females' Prescription" | R. Drake | 2,059 | Sept. 9, 1879 | 16 | 462 |
| "The Original Vermont Cider Jelly" | A. H. Bailey | 2,139 | Dec. 2, 1879 | 16 | 1007 |
| "The Solid Safe" | Herring & Co | 2,044 | Aug. 26, 1879 | 16 | 362 |
| "The Sure Cure Liver and Ague Pad" | N. Durr | 2,150 | Dec. 16, 1879 | 16 | 1099 |
| "The Tonic Laxative" | H. B. Jadwin | 2,054 | Sept. 2, 1879 | 16 | 412 |
| "They come high, but we must have 'em" | V. Honhouser | 1,847 | Jan. 28, 1879 | 15 | 88 |
| "This Precious Ointment Cures all Diseases of the Skin, &c." | E. Scheurmann | 1,958 | May 13, 1879 | 15 | 738 |
| "Thomas' Black Ink, L. H. Thomas, Reading, Mich." | L. H. Thomas | 1,863 | Feb. 18, 1879 | 15 | 202 |
| "Tolu and Liverwort Expectorant" | J. N. Hegeman | 2,155 | Dec. 16, 1879 | 16 | 1099 |
| "Tolu and Liverwort Expectorant" | J. N. Hegeman | 2,156 | Dec. 16, 1879 | 16 | 1099 |
| "Two Threads Non Shrinking Wool Underwear" | S. Condé & Co | 2,098 | Oct. 21, 1879 | 16 | 726 |
| U. | | | | | |
| "Unique Lubricating Oil" | S. T., C. W., and E. H. Baker | 2,147 | Dec. 9, 1879 | 16 | 1053 |
| "Universal and Adjustable Splints" | J. Homer | 1,916 | Apr. 8, 1879 | 15 | 508 |
| V. | | | | | |
| "Vaginal Specific" | D. P. Robbins | 1,872 | Feb. 25, 1879 | 15 | 250 |
| "Van De Carr's No-Alum Baking Powder" | R. D. Van de Carr | 1,893 | Mar. 11, 1879 | 15 | 344 |
| "Vienna Macaroons" | Bell, Mains & Co | 2,000 | July 8, 1879 | 16 | 50 |
| W. | | | | | |
| "Waistell's Ointment" | G. Capstick & Son | 2,058 | Sept. 9, 1879 | 16 | 462 |
| "Wetherill's Pure Tinted Lead" | G. D. Wetherill & Co | 1,921 | Apr. 8, 1879 | 15 | 508 |
| "Wheat Phosphoids" | J. S. Hawley | 2,066 | Sept. 16, 1879 | 16 | 502 |
| "White's Neuralgia Cure" | E. B. White | 1,870 | Feb. 25, 1879 | 15 | 249 |
| "Wilkinson's Best" (for lead-pencils) | J. M. Wilkinson | 2,052 | Sept. 2, 1879 | 16 | 412 |
| "Will Not Rip" | Double Thread Sewing Machine Company. | 1,944 | Apr. 29, 1879 | 15 | 652 |
| "Williams & Moore's Stockton Cure for Diphtheria or Putrid Sore Throat." | Williams & Moore | 1,989 | June 17, 1879 | 15 | 972 |
| "Wilson's Reliable Yeast" | Wilson Yeast and Manufacturing Company. | 2,148 | Dec. 9, 1879 | 16 | 1053 |
| "Wiltshire Packing Co" | J. W. Nightingale | 1,841 | Jan. 21, 1879 | 15 | 66 |
| "Windsor Herring" | R. C. Lowry & Co | 1,993 | June 24, 1879 | 15 | 1016 |
| "Wood's Infallible Cough Remedy" | C. S. Wood | 1,913 | Apr. 1, 1879 | 15 | 466 |
| "Worden's Perfumed Ink" | H. Worden | 1,876 | Feb. 25, 1879 | 15 | 250 |
| "Worm Killer" | M. Spiegel | 2,153 | Dec. 16, 1879 | 16 | 1099 |
| "W. W. Warrick's Wonderful Asthma Cure" | W. W. Warrick | 2,051 | Sept. 2, 1879 | 16 | 412 |
| Y. | | | | | |
| "Yellowstone" | New York Label Publishing Company of N. Witsch and J. Schmitt. | 1,866 | Feb. 18, 1879 | 15 | 202 |

## DISCLAIMERS.

| No. | Name, residence, and invention. | Date of filing disclaimer. | Official Gazette. | |
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| 100,019 | Ahrens, Theodore, Louisville, Ky. Preserving beer, &c | Jan. 21, 1879 | 15 | 88 |
| 2,415 | Chipman, George W., Boston, Mass., assignee of John R. Harrington. Carpet-linings. Disclaimer filed by Edward H. Bailey, trustee. (Reissue.) | Apr. 12, 1879 | 15 | 558 |
| 5,007 | Eames, Charles J., and Charles A. Seely, New York, N. Y. Manufacture of soap ....(Reissue).. | Dec. 3, 1879 | 16 | 1053 |
| 6,502 | Field, Benjamin F., by Benjamin C. Faurot, trustee of assignee, Lima, Ohio. Manufacture of paper boards. (Reissue.) | July 15, 1879 | 16 | 176 |
| 1,076 | Haley, John J., assignee of Alexander W. Stewart, Boston, Mass. Folding chairs ...(Reissue).. | Aug. 19, 1874 | 15 | 696 |
| 8,060 | Miller, Anton, and Christian Worley, Saint Louis, Mo. Finishing tobacco-plugs .....(Reissue).. | Nov. 7, 1879 | 16 | 911 |
| 100,229 | Willis, Herbert L., South Boston, Mass. Holder for finishing soles of boots and shoes | Feb. 14, 1879 | 15 | 202 |

## ALPHABETICAL LIST OF DISCLAIMERS.

| Invention. | Name of patentee. | Original No. | Original date. | Disclaimer filed. | Official Gazette. | |
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| Carpet-linings | George W. Chipman, assignee of John R. Harrington. (Reissue.) | 2,415 | Dec. 11, 1866 | Apr. 12, 1879 | 15 | 558 |
| Folding chairs | John J. Haley, assignee of Alexander W. Stewart. (Reissue.) | 1,076 | Oct. 6, 1874 | Aug. 19, 1874 | 15 | 696 |
| Holder for finishing soles of boots and shoes | Herbert L. Willis | 100,229 | Feb. 22, 1870 | Feb. 14, 1879 | 15 | 202 |
| Paper boards, Manufacture of | Benjamin F. Field, by Benjamin C. Faurot, trustee of assignee. (Reissue.) | 6,502 | June 22, 1875 | July 15, 1879 | 16 | 176 |
| Preserving beer, &c | Theodore Ahrens | 100,019 | Aug. 2, 1870 | Jan. 21, 1879 | 15 | 88 |
| Soap, Manufacture of | Charles J. Eames and Charles A. Seely. (Reissue.) | 5,007 | July 30, 1872 | Dec. 3, 1879 | 16 | 1053 |
| Tobacco-plugs, Finishing | Anton Miller and Christian Worley. (Reissue.) | 8,060 | Dec. 5, 1876 | Nov. 7, 1879 | 16 | 911 |

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